

『第四紀学』1刷 主要正誤表

| 頁 | 段 | 行 | 誤 | 正 |
|---------|---|---------------------|-----------------------------------|--|
| 3 | 左 | 下から2,3行目 | (コラム2.2-1) | (コラム2.2-2) |
| 5 | 左 | 20, 21行目 | 図1.1-1, 1.1-2 | 図1.1-1, 1.2-1 |
| 5 | | 図1.2-1キャプション | Darlymple | Dalrymple |
| 5 | | " | Shackleton <i>et al.</i> , 1979 | Shackleton <i>et al.</i> , 1990 |
| 6 | 右 | 3行目 | Agassiz (1837) | Agassiz (1837に講演; 1847) |
| 11 | 右 | 下から6行目 | (木村, 1997) | (木村 英, 1997) |
| 13 | 右 | 24行目 | 135万年前 | 1.35万年前 |
| 21 | 左 | 下から8行目 | Mayer | Major |
| 24 | 左 | 下から19行目 | (4.3.2項参照) | (4.4.2項参照) |
| 24 | 左 | 下から15行目 | 約23‰ | 約0.23‰ |
| 26 | 左 | 10行目 | 酸素同位体 | ミランコビッチ |
| 51 | | 図3.3-7キャプション | トランスファーム断層のいずれは海溝軸 | トランスフォーム断層のずれは海嶺軸 |
| 51 | 右 | 22行目 | (図3.3-6, 3.3-7参照) | (図3.3-4, 3.3-5参照) |
| 60 | | 図3.3-12 | (e)の中の の向きが逆 | |
| 90 | 左 | 下から20行目 | (図4.2-2を参照) | (図4.3-2を参照) |
| 127 | 右 | 下から13行目 | (Strum & Lotter, 1995) | (Beer & Strum, 1995) |
| 128 | 左 | 下から4, 5行目 | (Fukusawa, 2000) | (Fukusawa, 1999) |
| 130 | 右 | 下から6行目 | (Zolitschka & Negendank, 1999) | (Zolitschka <i>et al.</i> , 1999) |
| 131 | 左 | 下から21行目 | (Strum & Lotter, 1995) | (Beer & Strum, 1995) |
| 131 | 左 | 下から12行目 | (Zolitschka & Negendank, 1997) | (Zolitschka <i>et al.</i> , 1999) |
| 131 | | 図4.5-5キャプション | (Zolitschka & Negendank, 1999) | (Zolitschka <i>et al.</i> , 1999) |
| 132 | 右 | 22行目 | (Fukusawa, 2000) | (Fukusawa, 1999) |
| 134 | 左 | 下から17行目 | (Renberg, 1984) | (Renberg, 1981) |
| 134 | 右 | 下から15行目 | (Zolitschka & Negendank, 1999) | (Zolitschka <i>et al.</i> , 1999) |
| 135 | | 図4.5-7キャプション | (Zolitschka & Negendank, 1999) | (Zolitschka <i>et al.</i> , 1999) |
| 135 | | 図4.5-8キャプション | (Zolitschka & Negendank, 1999) | (Zolitschka <i>et al.</i> , 1999) |
| 142 | | コラム5.1-1図キャプション | 北半球の永久凍土の分布 (Pewe, 1976) | 北半球の永久凍土の分布 |
| 147 | 左 | 下から5行目 | Maclaren (1842) | Maclaren (1841) |
| 147 | 右 | 下から6行目 | (Konishi <i>et al.</i> , 1970) | (Konishi <i>et al.</i> , 1970, 1974) |
| 148 | 右 | 2行目 | 4.3.5項参照 | 4.4.4項参照 |
| 150 | 右 | 下から10行目 | 1.38ka | 13.8ka |
| 151 | 左 | 4行目 | Fairbridge, 1989 | Fairbanks, 1989 |
| 151 | 左 | 4行目 | Radtke & Grun, 1990 | Radtke & Grün, 1990 |
| 151 | 左 | 5行目 | Pirazzoli <i>et al.</i> , 1993 | Pirazzoli <i>et al.</i> , 1991 |
| 151 | 左 | 下から11行目 | Konishi <i>et al.</i> , 1970 | Konishi <i>et al.</i> , 1974 |
| 151 | 右 | 6行目 | (Bloom <i>et al.</i> , 1975) | (Bloom <i>et al.</i> , 1974) |
| 151 | | 図5.2-5キャプション | (Waelbroeck <i>et al.</i> , 2001) | (Waelbroeck <i>et al.</i> , 2002) |
| 153 | | 図5.3-2キャプション | ISについては図4.2-3参照。 | ISはD-Oイベントの番号。 |
| 156 | 左 | 1行目 | (Gray <i>et al.</i> , 1988) | (Gray, 1988) |
| 187 | 左 | 下から8行目 | 1910年に | 1902年に |
| 187 | 左 | 下から6行目 | 可能にし | 可能にし (Lagerheim, 1902) |
| 187 | 左 | 下から2行目 | (von Post, 1918) | (von Post, 1916) |
| 195 | 左 | 7行目 | 旧大陸の熱帯と | 新大陸の熱帯と |
| 195 | 左 | 9行目 | 新熱帯植物界の乾燥地帯では, | 旧熱帯植物界の乾燥地帯では, |
| 196 | 左 | 下から4行目 | <i>huile</i> | <i>humile</i> |
| 206 | | 図6.2-13キャプション | (4章図4.2-10) | (4章図4.3-10) |
| 229 | 右 | 下から13行目 | 河村, 1995 | 河村, 1996 |
| 238 | 右 | 15行目 | メリディオナリスゾウのうち進歩したタイプのものに近いと考えられる。 | トロゴンテリゾウのうち古典のものに近いと考えられている(樽野・魏, 2003)。 |
| 263 | 左 | 下から12行目 | (コラム6.4-2参照) | (6.4.2項参照) |
| 283 | | 図8.1-2キャプション10,13行目 | Mayewski, 1993 | Mayewski <i>et al.</i> , 1993 |
| 288 | 右 | 25行目 | 町田ほか (1987) | 町田・小島編 (1996) |
| 292-314 | | 引用文献 | 引用文献は新しくいたしました。 | |

引用文献

- 阿部彩子・増田耕一 (1993) 氷床と気候感度—モデルによる研究のレビュー. 気象研究ノート, 177, 183-222.
- 阿部 永 (1991) 日本の哺乳類とその変異. 朝日 稔・川道武男編「現代の哺乳類学」: 1-22, 朝倉書店.
- 阿部 永・石井信夫・金子之史・前田喜四雄・三浦慎悟・米田政明 (1994) 日本の哺乳類. 195p., 東海大学出版会.
- Aber, J. S. (1991) The glaciation of northeastern Kansas. *Boreas*, 20, 297-314.
- Abramova, Z. A. (1982) Zur Jagd im Jungpaläolithikum: Nach Beispielen des jungpaläolithischen Fundplatzes Kokorevo I in Sibirien. *Archäologisches Korrespondenzblatt*, 12, 1-9.
- Adam, K. D. (1988) Über pleistozäne Elefanten-Funde im Umland von Erzurum in Ostanatolien. Ein Beitrag zur Namengebung von *Elephas armeniacus* und *Elephas trogontherii*. *Stuttgarter Beitr. Naturkd.*, Ser. B, Geol. Paläont., 146, 1-89.
- Agassiz, L. (1847) Systeme glaciaire ou recherches sur les glaciers. Pt. I, *Nouvelles études et expériences sur les glaciers actuels*, 1, 1-598.
- Agrenbroad, L. D. (1984) New World mammoth distribution. Martin, P. S. and Klein, R. G. (eds.) *Quaternary Extinctions: A Prehistoric Revolution*, 90-108, Univ. Arizona Press.
- Aguirre, E. (1969) Evolutionary history of the elephant. *Science*, 164, 1366-1376.
- Aguirre, E. and Pasini, G. (1985) The Pliocene-Pleistocene boundary. *Episodes*, 8, 116-120.
- Aitken, M. J. (1994) Optical dating. A non-specialist review. *Quat. Sci. Rev.*, 13, 503-508.
- アレクサンダー, R. M. (1989) 恐竜の力学. 217p. (坂本憲一訳, 1991) 地人書館.
- Aldrich, L. T. and Nier, A. O. (1948) Argon 40 in potassium minerals. *Phys. Rev.*, 74, 876-877.
- Allen, J. R. M., Watts, W. A., McGee, E. and Huntley, B. (2002) Holocene environmental variability—the record from Lago Grande di Monticchio, Italy. *Quat. Intern.*, 88, 69-80.
- Alley, R. B., Meese, D. A., Shuman, C. A., Gow, A. J., Taylor, K. C., Grootes, P. M., White, J. W. C., Ram, M., Waddington, E. D., Mayewski, P. A. and Zielinski, G. A. (1993) Abrupt increase in Greenland snow accumulation at the end of the Younger Dryas event. *Nature*, 362, 527-529.
- Allison, T. D., Moeller, R. E. and Davis, M. B. (1986) Pollen in laminated sediments provides evidence for a mid-Holocene forest pathogen outbreak. *Ecology*, 67, 1101-1105.
- American Commissions on Stratigraphic Nomenclature (1970) Code of stratigraphic nomenclature (2nd. ed.). *Amer. Assoc. Petroleum Geol. Bull.*, 60, 1-45.
- An, Z. S., Kukla, G., Porter, S. C. and Xiao, J. L. (1991) Late Quaternary dust flow on the Chinese Loess Plateau. *Catena*, 18, 125-132.
- Andersen, S.T. (1970) The relative pollen productivity and representation of North European trees, and correction for tree pollen spectra. *Danm. Geol. Unders.*, Ser II, 96, 99p.
- Anderson, T. W. (1974) The chestnut pollen decline as a time horizon in lake sediments in eastern North America. *Can. Jour. Bot.*, 64, 1977-1986.
- Andrews, P. (1990) *Owls, Caves and Fossils: Predation, Preservation, and Accumulation of Small Mammal Bones in Caves, with an Analysis of the Pleistocene Cave Faunas from Westbury-sub-Mendip, Somerset, UK*. 231p., Univ. Chicago Press.
- Anthony, R. S. (1977) Iron-rich rhythmically laminated sediments in Lake of the Clouds, Minnesota. *Limnology Oceanography*, 22, 45-54.
- 青木かおり・新井房夫 (2000) 三陸沖海底コアKH9413, LM18の後期更新世テフラ層序. 第四紀研究, 39, 107-120.
- Archibold, O.W. (1995) *Ecology of World Vegetation*. 510p., Chapman and Hall.
- 在田一則・鷹澤好博 (1977) ネパールヒマラヤのスラストテクトニクス—フィックション・トラック年代と山脈上昇過程. 地学雑誌, 106, 156-167.
- 朝倉 正・関口理郎・新田 尚編 (1995) 気象ハンドブック. 773p, 朝倉書店.
- 阿哲団体研究グループ (1970) 洞くつ地質学ノート 5. 阿哲台の鍾乳洞と河岸段丘. 地球科学, 24, 225-227.
- 粟田泰夫 (1988) 東北日本弧中部内帯の短縮変動と太平洋プレート運動. 月刊地球, 10, 586-591.
- Balouet J.-C. and Alibert, E. (1990) *Extinct Species of the World*. 192p., Barron's Educational Series (English language edition).
- Bard, E., Arnold, M., Fairbanks, R. G. and Hamelin, B. (1993) ²³⁰U, ²³⁴U and ¹⁴C ages obtained by mass spectrometry on corals. *Radiocarbon*, 35, 191-199.
- Bard, E., Hamelin, B., Arnold, M., Montaggioni, L., Cabioch, G., Faure, G. and Rougerie, F. (1996) Deglacial sea-level record from Tahiti corals and the timing of global meltwater discharge. *Nature*, 382, 241-244.
- Bard, E., Hamelin, B., Fairbanks, R. G. and Zindler, A. (1990) Calibration of the ¹⁴C timescale over the past 30,000 years using mass spectrometric U-Th ages from Barbados Corals. *Nature*, 345, 405-410.
- Barnola, J. M., Raynaud, D., Korotkevich, Y. S. and Lorius, C. (1987) Vostok ice core provides 160,000-year record of atmospheric CO₂. *Nature*, 329, 408-414.
- Basaltic Volcanism Study Project (1980) *Basaltic Volcanism on the Terrestrial Planets*. 1286p., Pergamon Press.
- Beck, J. W., Edwards, R. L., Ito, E., Taylor, F. W., Recy, J., Rougerie, F., Joannot, P. and Henin, C. (1992) Sea-surface temperature from coral skeletal strontium/calcium ratios. *Science*, 257, 644-647.
- Beck, J. W., Richards, D. A., Edwards, R. L., Silverman, B. W., Smart, P. L., Donahue, D. J., Hererra-Osterheld, S., Burr, G. S., Calsoyas, L., Jull, A. L. and Biddulph, D. (2001) Extremely large variations of atmospheric ¹⁴C concentration during the last glacial period. *Science*, 292, 2453-2458.

- Becker, B. and Kromer, B. (1993) The continental tree-ring record absolute chronology, ^{14}C calibration and climatic change at 11 ka BP. *Palaeogeogr. Palaeoclimatol. Palaeoecol.*, 103, 67–71.
- Becquerel, H. C. R. (1896) *Acad. Sci. Paris*, 122, 1086.
- Beer, J. and Strum, M. (1995) Dating of lake and loess sediments. *Radiocarbon*, 37, 81–86.
- Beerling, D. J. and Chaloner, W. G. (1994) Atmospheric CO_2 changes since the last glacial maximum: evidence from the stomatal density record of fossil leaves. *Rev. Palaeobotany Palynology*, 81, 11–17.
- Behl, R. J. (1995) Sedimentary facies and sedimentology of the Late Quaternary Santa Barbara Basin (Site 893). *Proc. Ocean Drill. Program Sci. Results.*, 146 (2), 295–308.
- Behre, K. E. (1988) The role of man in European vegetation history. Huntley, B. and Webb, T. (eds.) *Vegetation History*, 633–672, Kluwer.
- Behrensmeyer, A. K., and Hill, A. P. (eds.) (1980) *Fossils in the Making: Vertebrate Taphonomy and Paleocology*. 338p., Univ. Chicago Press.
- Bell, M. and Walker, M. J. C. (1992) *Late Quaternary Environmental Change. Physical and Human Perspectives*. 273p., Longman.
- Bender, M., Sowers, T., Dickson, M. L., Orchardo, J., Grootes, P., Mayewski, P. A. and Meese, D. A. (1994) Climate correlations between Greenland and Antarctica during the past 100,000 years. *Nature*, 372, 663–666.
- Beneš, J. (1979) *Prehistoric Animals and Plants*. 311p., Hamlyn.
- Berger, A. (1978) Long-term variations of calorific insolation resulting from the earth's orbital elements. *Quat. Res.*, 9, 139–167.
- Berger, G. W. and Huntley, D. J. (1994) Tests for optically stimulated luminescence from tephra glass. *Quat. Sci. Rev.*, 13, 509–511.
- Berggren, W. A. et al. (1995) Late Neogene chronology: New perspectives in highresolution stratigraphy. *Geol. Soc. Amer. Bull.*, 107, 1272–1287.
- Berner, R. A. (1994) GEOCARB II: A revised model of atmospheric CO_2 over Phanerozoic time. *Amer. Jour. Sci.*, 294, 56–91.
- Berner, R. A., and Raiswell, R. (1983) Burial of organic carbon and pyrite sulfur in sediments over Phanerozoic time; A new theory. *Geochim. Cosmochim. Acta.*, 47, 855–862.
- Betancourt, J. L., Van Devender, T. R. and Martin, P. S., (1990) *Packrat Middens. The Last 40,000 Years of Biotic Change*. 467p., Univ. Arizona Press.
- Bhiry, N. and Filion, L. (1996) Mid-Holocene Hemlock decline in Eastern North America linked with phytophagous insect activity. *Quat. Res.*, 45, 312–320.
- Billard, A. (1987) *Analyse Critique de Stratotypes Quaternaire*. 141p., Edition of the Centre National de la Recherche Scientifique.
- Binford, L. R. (1981) *Bones: ancient men and modern myths*. 320p., Academic Press.
- Binford, L. R. (1983a) *In Pursuit of the Past*. 256p., Thames and Hudson.
- Binford, L. R. (1983b) *Working at Archaeology*. 463p., Academic Press.
- Binford, L. R. (1987) Searching for camps and missing the evidence?: Another look at the Lower Palaeolithic. Soffer, O. (ed.) *The Pleistocene Old World: Regional Perspectives*, 17–31, Plenum Press.
- Binford, L. R. (1989) *Debating Archaeology*. 534p., Academic Press.
- Bird, P. (1979) Continental delamination and Colorado Plateau. *Jour. Geophys. Res.*, 84, 7561–7571.
- Birks, H. J. B. and Birks, H. H. (1980) *Quaternary Palaeoecology*. 289p., Edward Arnold.
- Björck, S., Cato, I., Brunnberg, L. and Stromberg, B. (1992) The clay-varve based Swedish time scale and its relation to the late Weichselian radiocarbon chronology. Bard, E. and Broecker, W. S. (eds.) *The Last Deglaciation: Absolute and Radiocarbon Chronologies*. NATO ASI Series, Series 1, Global Environmental Change, 2, 25–44, Springer Verlag.
- Bliss, L. C. and Richards, J. H. (1982) Present-day arctic vegetation and ecosystems as a predictive tool for the Arctic-Steppe Mammoth biome. Hopkins, D. M., Matthews, J. V. Jr., Schweger, C. E. and Young, S. B. (eds.) *Paleoecology of Beringia*, 241–257, Academic Press.
- Bloom, A. L. (1967) Pleistocene shorelines: A new test of isostasy. *Geol. Soc. Amer. Bull.*, 78, 1477–1494.
- Bloom, A. L., Broecker, W. S., Chappell, J. M. A., Matthews, R. K. and Mestollela, K. J. (1974) New $^{230}\text{Th}/^{234}\text{U}$ dates from the Huon Peninsula, Papua New Guinea. *Quat. Res.*, 4, 185–205.
- Blunier, T., Chappellaz, J., Schwander, J., Dallenbach, A., Stauffer, B., Stocker, T. F., Raynaud, D., Jouzel, J., Clausen, H. B., Hammer, C. U. and Johnsen, S. J. (1998) A synchrony of Antarctic and Greenland climate change during the last glacial period. *Nature*, 394, 739–743.
- Bökönyi, S. (1974) *History of Domestic Mammals in Central and Eastern Europe*. 596p., Akadémiai Kiadó (translated by Halápy, L.).
- Bökönyi, S. (1976) Development of early stock rearing in Near East. *Nature*, 264, 19–23.
- Bökönyi, S. (1984) Horse. Mason, I. L. (ed.) *Evolution of Domesticated Animals*, 162–173, Longman.
- Bond, G., Heinrich, H., Broecker, W., Labeyrie, L., MacManus, J., Andrews, J., Huon, S., Jantschik, R., Clasen, S., Simet, C., Tedesco, K., Klas, M., Bonani, G. and Ivy, S. (1992) Evidence for massive discharges of icebergs into the Atlantic during the last glacial period. *Nature*, 360, 245–249.
- Bond, G. C. and Lotti, R. (1995) Iceberg discharges into the North Atlantic on millennial time scales during the Last Glaciation. *Science*, 267, 1005–1010.
- Bordes, F. (1961) *Typologie du Paléolithique Ancien et Moyen*. Publications de l'Institut de Préhistoire l'Université de Bordeaux [éditions du C. N. R. S., 1988, 102p. + Pl. 108].
- Bordes, F. (1968) *The Old Stone Age*. World University Library. 255p., Weidenfeld and Nicolson [ボルド, F. 著, 芹沢長介・林謙作訳 (1971) 旧石器時代. 303p., 平凡社].
- Bosinski, G. (1985) *Der Neandertaler und seine Zeit*. 74p., 18pls., Rheinland-Verlag GmbH.
- Boto, K. G. and Isdale, P. (1985) Fluorescent bands in massive corals result from terrestrial fulvic acid inputs to nearshore zone. *Nature*, 315, 396–397.
- Boygale, J. (1993) The Swedish varve chronology—a review. *Prog. Phys. Geogr.*, 17, 1–19.
- Boyle, E. A. (1988) Cadmium: chemical tracer of deepwater paleoceanography. *Paleoceanography*, 3, 471–489.
- Boyle, E. A. (1992) Cadmium and ^{13}C paleochemical ocean distributions during the stage 2 glacial maximum. *Ann. Rev. Earth Planet. Sci.*, 20, 245–287.
- Bralower, T. J. and Thierstein, H. R. (1984) Low productivity and slow deep-water circulation in mid-Cretaceous oceans.

- Geology*, 12, 614-618.
- Brassell, S. C., Eglinton, G., Marlowe, I. T., Pflaumann, U. and Sarnthein, M. (1986) A new tool for climatic assessment. *Molecular Stratigraphy*, 320, 129-133.
- Brauer, A., Endres, C., Gunter, C., Litt, T., Stebich, M. and Negendank, J. F. W. (1999) High resolution sediment and vegetation responses to Younger dryas climate change in varved lake sediments from Meerfelder Maar, Germany. *Quat. Sci. Rev.*, 18, 321-329.
- Bray, J. R. (1977) Pleistocene volcanism and glacial initiation. *Science*, 197, 251-254.
- Breuil, H. (1952) *Four Hundred Centuries of Cave Art*. 414p., Montignac.
- Broecker, E. S. (1965) Isotope geochemistry and the Pleistocene climatic record. Wright, H. E. Jr. and Frey, D. G. (eds.) *The Quaternary of the United States*, 737-753, Princeton Univ. Press.
- Broecker, W. S. (1991) The great ocean conveyor belt. *Oceanography*, 4, 79-89.
- Broecker, W. S. and Denton, G. H. (1989) The role of ocean-atmosphere reorganizations in glacial cycles. *Geochim. Cosmochim. Acta.*, 53, 2465-2501.
- Brunhes, B. (1906) Recherches sur la direction d'aimantation des roches volcaniques. *Jour. de physique Théorique et Appliquée*, Ser.4, 5, 705-724.
- Brunskill, G. J. (1969) Fayetteville Green Lake NY III: precipitation and sedimentation of calcite in a meromictic lake with laminated sediments. *Limnology Oceanography*, 14, 830-847.
- Budd, W. F. and Smith, I.N. (1987) Conditions for growth and retreat of the Laurentide ice sheet. *Geographie Physique et Quaternaire*, 41, 279-290.
- Bullard, E. C., Everett, J. E. and Smith, A. G. (1965) A Symposium on Continental Drift IV. The fit of the continents around the Atlantic. *Phil. Trans. Roy. Soc. London*, A, 258, 41-51.
- Busacca, A. J. (1991) Loess deposits and soils of the Palouse and vicinity. *The Geology of North America*, K12, 216-228.
- Butler, B. E. (1956) Parna an aeolian clay. *Australian Jour. Sci.* 18, 145-151.
- Butzer, K. W. (1974) Geological and ecological perspectives on the middle Pleistocene. *Quat. Res.*, 4, 136-148.
- Butzer, K. (1982) *Archaeology as Human Ecology*. Cambridge Univ. Press.
- Cande, S. C. and Kent, D. V. (1955) Revised calibration of the geomagnetic polarity time scale for the Late Cretaceous and Cenozoic. *Jour. Geophys. Res.*, 100, 6093-6095.
- Cann, R. L., Stoneking, M., and Willson, A. C. (1987) Mitochondrial DNA and human evolution. *Nature*, 325, 31-36.
- Carey, S. N. and Sigurdsson, H. (1980) The Roseau ash: deep-sea tephra deposits from a major eruption on Dominica, Lesser Antilles Arc. *Jour. Volcanol. Geotherm. Res.*, 7, 67-86.
- Cato, I. (1985) The definitive connection of the Swedish geochronological timescale with the present, and the new date for the zero year in Doviken northern Sweden. *Boreas*, 14, 117-122.
- Cerling, T. E. (1992) Development of grasslands and savannas in East Africa during the Neogene. *Paleogeography Paleoclimatology* 97, 241-247.
- Chaline, J. (1974) Esquisse de l'évolution morphologique, biométrique et chromosomique du genre *Microtus* (Arvicolidae, Rodentia) dans le Pléistocène de l'hémisphère nord. *Bull. Soc. Géol. France*, sér. 7, 16, 440-450.
- Chaline, J. (1975) Taxonomie des campagnols (Arvicolidae, Rodentia) sous-famille des Dolomyinae nov. das l'hémisphère Nord. *C. R. Acad. Sci.*, sér. D, 281, 115-118.
- Chaline, J. (1987) Arvicolid data (Arvicolidae, Rodentia) and evolutionary concepts. *Evolutionary Biology*, 21, 237-310.
- Chaline, J. and Graf, J.-D. (1988) Phylogeny of the Arvicolidae (Rodentia): Biochemical and paleontological evidence. *Jour. Mamm.*, 69, 22-33.
- Chaline, J. and Mein, P. (1979) *Les Rongeurs et l'Évolution*. 235p. Doin Éditeurs.
- Chamberlin, T. C. (1897) Supplementary hypothesis respecting the origin of the loess of the Mississippi Valley. *Jour. Geol.*, 5, 795-802.
- Chaplin, R. E. (1971) *The Study of Animal Bones from Archaeological Sites*. 170p., Seminar Press.
- Chappell, J. (1974) Geology of coral terraces, Huon Peninsula, New Guinea. A study of Quaternary tectonic movement and sea level changes. *Geol. Soc. Amer., Bull.*, 85, 553-570.
- Chappell, J., 大村明雄, Esat, T., McCulloch, M., Pandolfi, J., 太田陽子, and Pillans, B. (1995) ヒュオン半島のサンゴ礁段丘から新たに得られた第四紀後期の海面高度と深海底コアの酸素同位体記録との調和. *地学雑誌*, 104, 777-784.
- Chappell, J., Omura, A., Esat, T., McCulloch, M., Pandolfi, J., Ota, Y. and Pillans, B. (1996) Reconciliation of late Quaternary sea levels derived from coral terraces at Huon Peninsula with deep sea oxygen isotope records. *Earth Planet. Sci. Lett.*, 141, 227-236.
- Chappell, J. and Polach, H. A. (1991) Post-glacial sea-level rise from a coral record at Huon Peninsula, Papua New Guinea. *Nature*, 349, 147-149.
- Chappell, J. and Shackleton, N. J. (1987) Oxygen isotopes and sea level. *Nature*, 324, 137-140.
- Chappellaz, J., Blunier, T., Kints, S., Dallenbach, A., Barnola, J. M., Schwander, J., Raynaud, D. and Stauffer, B. (1997) Changes in the atmospheric CH₄ gradient between Greenland and Antarctica during the Holocene. *Jour. Geophys. Res.*, 102, D13, 15987-15997.
- Chappellaz, J., Blunier, T., Raynaud, D., Barnola, J. M., Schwander, J. and Stauffer, B. (1993) Synchronous changes in atmospheric CH₄ and Greenland climate between 40 and 8 kyr BP. *Nature*, 366, 443-445.
- Charlesworth, J. K. (1957) *The Quaternary Era with Special Reference to its Glaciation*. 2 vols., Edward Arnold.
- Charlson, R. J., Lovlock, J. E., Andra, M. O. and Warren, S. G. (1987) Oceanic phytoplankton, atmospheric sulphur, cloud albedo and climate. *Nature*, 326, 655-661.
- Childe, V. G. (1942) *What Happened in History*. Penguin Books, 300p., Harmondsworth.
- Childe, V. G. (1944) *Progress and Archaeology*. 119p., Watts & Co.
- Chinzei, K., Fujioka, K., Kitazato, H., Koizumi, I., Oba, T., Oda, M., Okada, H., Sakai, T. and Tanimura, Y. (1987) Postglacial environmental changes of the Pacific Ocean off the coasts of central Japan. *Marine Micropaleont.*, 11, 273-291.
- 千浦美智子 (1979) 糞石. 鳥浜貝塚研究グループ編「鳥浜貝塚一縄文前期を主とする低湿地遺跡の調査1」: 170-175, 福井県教育委員会.
- Clapperton, C. (1993) *Quaternary Geology and Geomorphology of South America*. Elsevier.
- Clark, J. A., Farrell, W. E. and Peltier, W. R. (1978) Global changes in postglacial sea level: A numerical calculation. *Quat. Res.*, 9, 265-287.
- CLIMAP Project Members (1976) The surface of the ice-age

- earth. *Science*, 191, 1131-1137.
- CLIMAP Project Members (1981) *Seasonal Reconstructions of the Earth's Surface at the Last Glacial Maximum*. Geological Society of America Map and Chart Series, MC136.
- CLIMAP Project Members (1984) The last interglacial ocean. *Quat. Res.*, 21, 123-224.
- Cloos, M. (1993) Lithospheric buoyancy and collisional orogenesis: Subduction of oceanic plateaus, continental margins, island arcs, spreading ridges, and seamounts. *Geol. Soc. Amer. Bull.*, 105, 715-737.
- Clutton-Brock, J. (1984) Dog. Mason, I. L. (ed.) *Evolution of Domesticated Animals*, 198-211, Longman.
- Clutton-Brock, J. (1987) *A Natural History of Domesticated Mammals*. 208p., Cambridge Univ. Press.
- COHMAP Members (1988) Climatic changes of the last 18,000 years: observations and model simulations. *Science*, 241, 1043-1052.
- Cole, K. (1985) Past rates of change, species richness, and a model of vegetational inertia in the Grand Canyon, Arizona. *Amer. Nat.*, 125, 289-303.
- Colman, S. M., Peck, J. A., Karabanov, E. B., Carter, S. J., Bradbury, J. P., King, J. W. and Williams, D. F. (1995) Continental climate response to orbital forcing from biogenic silica records in Lake Baikal. *Nature*, 378, 769-771.
- Colman, S. M., Pierce, K. L. and Birkeland, P. W. (1987) Suggested terminology for Quaternary dating methods. *Quat. Res.*, 28, 314-319.
- Condie, K. C. (1997) *Plate Tectonics and Crustal Evolution* (4th ed.). Butterworth-Heinemann.
- Coope, G. R. (1959) A Late Pleistocene insect fauna from Chelford, Cheshire. *Proc. R. Soc. London*, B, 151, 70-86, pl. 2.
- Coope, G. R. (1977a) Quaternary Coleoptera as aids in the interpretation of environmental history. Shotton F. W. (ed.) *British Quaternary Studies: Recent Advances*, 55-68, Clarendon Press.
- Coope, G. R. (1977b) Fossil coleopteran assemblages as sensitive indicators of climatic changes during the Devensian (Last) cold stage. *Phil. Trans. R. Soc. London*, B, 280, 313-340.
- Coope, G. R., Morgan, A. and Osborne, P. J. (1971) Fossil Coleoptera as indicators of climatic fluctuations during the last glaciation in Britain. *Palaeogeogr. Palaeoclimatol. Palaeoecol.*, 10, 87-101.
- Coppens, Y. (1989) Hominid evolution and the evolution of the environment. *Ossa*, 14, 157-163.
- Corbet, G. B. (1978) *The Mammals of the Palaearctic Region: A Taxonomic Review*. 314p., British Museum (Natural History.) and Cornell Univ. Press.
- Corner, E. J. H. (1976) *The Seeds of Dicotyledons*. Vol. 1, 311p., Vol. 2, 552p., Cambridge Univ. Press.
- Cornwall, I. W. (1974) *Bones for the Archaeologist*. 259p., J. M. Dent & Sons.
- Cowan (1996) Evolutionary changes associated with the domestication of *Cucurbita pepo*, evidence from eastern Kentucky. Gremillion, K. J. (ed.) *People, Plants and Landscapes Studies in Paleoethnobotany*, 63-85, Univ. Alabama Press.
- Cowie, J. D. (1964) Loess in the Manawatu district, New Zealand. *New Zealand Jour. Geol. Geophys.*, 7, 389-396.
- Cox, A. (1969) Geomagnetic reversals. *Science*, 163, 237-245.
- Cox, A., Doell, R. R. and Dalrymple, G. B. (1963) Geomagnetic polarity epochs and Pleistocene geochronometry. *Nature*, 198, 1049-1051.
- Cox, A., Doell, R. R. and Dalrymple, G. B. (1964) Reversals of the earth's magnetic field. *Science*, 144, 1537-1543.
- Croll, J. (1864) On the physical cause of the change of climate during geological epochs. *Phil. Mag.*, 28, 121-137.
- Croll, J. (1867) On the eccentricity of the earth's orbit, and its physical relations to the glacial epoch. *Phil. Mag.*, 33, 119-131.
- Croll, J. (1875) *Climate and Time in their Geological Relations. A Theory of Secular Changes of the Earth's Climate*. 577p., Edward Stanford.
- Crusius, J., Pedersen, T. F., Calvert, S. E., Cowie, G. L. and Oba, T. (1999) A 36 kyr geochemical record from the sea of Japan of organic matter flux variations and changes in intermediate water oxygen concentrations. *Paleoceanography*, 14, 248-259.
- Curry, W. B. and Lohmann, G. P. (1982) Carbon isotopic changes in benthic foraminifera from the western South Atlantic: Reconstruction of glacial abyssal circulation patterns. *Quat. Res.*, 18, 218-235.
- Cushing, E. J. (1967) Late-Wisconsin pollen stratigraphy and the glacial sequence in Minnesota. Cushing, E. J. and Wright, H. E. (eds.) *Quaternary Palaeoecology*, 59-88, Yale Univ. Press.
- Cwynar, L. and Ritchie, J. C. (1980) Arctic steppe-tundra: a Yukon perspective. *Science*, 208, 1375-1377.
- 第四次土壌分類・命名委員会 (2002) 日本の統一土壌分類体系. ベドロジスト, 46, 36-45.
- Dalrymple, G. B. and Doell, R. R. (1964) Potassium-Argon dates of three Pleistocene interglacial basalt flows from the Sierra Nevada, California. *Geol. Soc. Amer. Bull.*, 75, 753-757.
- Daly, R. A. (1934) *The Changing World of the Ice Age*. 271p., Yale Univ. Press.
- Daniels, F., Boyd, C. A. and Saunders, D. F. (1953) Thermoluminescence as a research tool. *Science*, 117, 343-349.
- Dansgaard, W. (1964) Stable isotopes in precipitation. *Tellus*, 16, 436-468.
- Dansgaard, W., Clausen, H. B., Gundestrup, N., Hammer, C. U., Johnsen, S. J., Kristinsdottir, P. M. and Reek, N. (1982) A new Greenland deep ice core. *Science*, 218, 1273-1277.
- Dansgaard, W., Clausen, H. B., Gundestrup, N. S., Johnsen, S. J. and Rygner, C. (1985) Dating and climatic interpretation of two deep Greenland ice cores. Langway, C. C. Jr., Oeschger, H. and Dansgaard, W. (eds.) *Greenland Ice Core: Geophysics, Geochemistry, and the Environment*, AGU Monograph, 33, 71-76, American Geophysical Union.
- Dansgaard, W., Johnson, S. J., Clausen, H. B., Dahl-Jensen, D., Gundestrup, N. S., Hammer, C. U., Hvidberg, C. S., Steffensen, J. P., Sveinbjornsdottir, A. E., Jouzel, J. and Bond, G. (1993) Evidence for general instability of past climate from 250-yr ice core record. *Nature*, 364, 218-220.
- Dansgaard, W., Johnsen, S. J., Möller, J. and Langway, C. C. Jr. (1969) One thousand centuries of climatic record from Camp Century on the Greenland ice sheet. *Science*, 166, 377-381.
- Dansgaard, W. and Tauber, H. (1969) Glacier oxygen-18 content and Pleistocene ocean temperatures. *Science*, 166, 499-502.
- Darwin, C. (1859) *On the Origin of Species by Means of Natural Selection, or the Preservation of Favoured Races in the Struggle for Life*. 502p.
- Darwin, C. (1868) *The Variation of Animals and Plants under Domestication*. 2 vols (2nd ed.). John Murray.
- Davis, M. B. (1963) On the theory of pollen analysis. *Amer.*

- Jour. Sci.*, 261, 897-912.
- Davis, M. B. (1981) Outbreaks of forest pathogens in Quaternary history. *Proc. IV Int. Palynol. Conf. Lucknow* (1976-1977), 3, 216-217.
- Davis, S. J. M. (1981) The effects of temperature change and domestication on the body size of Late Pleistocene to Holocene mammals of Israel. *Paleobiology*, 7, 101-114.
- Davis, S. J. M. (1987) *The Archaeology of Animals*. 224p., B. T. Batsford.
- Davis, W. M. (1930) Origin of limestone caverns. *Bull. Geol. Soc. Amer.*, 41, 475-628, pls. 7-8.
- Dawson, A.G. (1992) *Ice Age Earth: Late Quaternary Geology and Climate*. Routledge.
- Day, M. H. (1986) *Guide to Fossil Man* (4th ed.). 432p., Univ. Chicago Press.
- De Candolle, A. (1883) *Origine des Plantes Cultivees* [加茂儀一訳, 栽培植物の起源. 改造社].
- De Geer, G. (1912) A geochronology of the last 12,000 years. *Inst. Geol. Congr., 11th, Stockholm 1910, Compte rendu*, 1, 241-258.
- De Geer, G. (1940) *Geochronologia Suecica Principes*. *Kungl. sv. vetenskapsakademiens handlingar*, 3(18), 367p., Almqvist and Wiksells.
- De Jong, J. (1988) Climatic variability during the past three million years, as indicated by vegetational evolution in northwest Europe and with emphasis on data from the Netherlands. *Phil. Trans. Roy. Soc. London*, B, 318, 603-617.
- Deacon, M. (1973) The voyage of HMS Challenger. Pirie, R. G. (ed.) *Oceanography: Contemporary Readings in Ocean Sciences*, 24-44, Oxford Univ. Press.
- Delany, A. C., Delany, Aud. Cl., Parkin, D. W., Griffin, J. J., Goldberg, E. D. and Riemann, B. E. F. (1967) Airborne dust collected at Barbados. *Geochim. Cosmochim. Acta.*, 31, 885-909.
- Delcourt, P. A. and Delcourt, H. R. (1987) *Long-term Forest Dynamics of the Temperate Zone, Ecological Studies* 63, 439p., Springer-Verlag.
- Delmas, R. J., Ascencio, J. M. and Legrand, M. (1980) Polar ice evidence that atmospheric CO₂ 20,000yr BP was 50% of present. *Nature*, 284, 155-157.
- デンベック, H. (1961a) 狩りと人間. 201p. (小西正泰・渡辺清訳, 1979) 築地書館.
- デンベック, H. (1961b) 家畜のきた道. 187p. (小西正泰・渡辺清訳, 1979) 築地書館.
- Denton, G. H. and Hughes, T. J. (eds.) (1981) *The Last Great Ice Sheets*. John Wiley.
- Desnoyers, J. (1829) Observations sur un ensemble de dépôts marins plus récents que les terrains tertiaires du bassin de la Seine, et constituant une formation géologique distincte; precedees d'un aperçu de la non-simultaneité des bassins tertiaires. *Ann. Sci. Nat.* (Paris), 16, 171-214, 402-491.
- Dewey, J. F. and Spall, H. (1975) Pre-Mesozoic plate tectonics. *Geology*, 3, 422-424.
- Dibble, H. L. (1987) The interpretation of Middle Palaeolithic scraper morphology. *American Antiquity*, 52, 109-117.
- Dibble, H. L. (1995) Middle Palaeolithic scraper reduction: Background, clarification, and review of the evidence to date. *Jour. Archaeological Method Theory*, 2, 299-368.
- Dietz, R. S. (1961) Continent and ocean basin evolution by spreading of the sea floor. *Nature*, 190, 854-857.
- Ding, Z. L., Rutter, N. and Liu, T. S. (1993) Pedostratigraphy of Chinese loess deposits and climatic cycles in the last 2.5 Myr. *Catena*, 20, 73-91.
- Ding, Z., Yu, Z., Rutter, N. W. and Liu, T. (1994) Towards an orbital time scale for Chinese loess deposits. *Quat. Sci. Rev.*, 13, 39-70.
- Dodge, R. E., Fairbanks, R. G., Benniger, L. K., and Maurrasse, F. (1983) Pleistocene sea levels from raised coral reefs of Haiti. *Science*, 219, 1423-1425.
- Dodonov, A. E. (1979) Stratigraphy of the Upper Pliocene-Quaternary deposits of Tajikistan. *Acta Geologica Academiae Scientiarum Hungariae*, 22, 63-73.
- 動物命名法国際審議会 (2000) 国際動物命名規約 第4版日本語版. 133p., 日本動物分類学関連学会連合.
- 洞くつ団研グループ (1971) 洞くつの地学. 134p., 地学団体研究会.
- 堂本暁子・岩槻邦男編 (1997) 温暖化に追われる生き物たち: 生物多様性からの視点. 413p., 築地書館.
- Driesch, A. von den (1976) A guide to the measurement of animal bones from archaeological sites. *Peabody Museum Bull.*, 1, 11-37.
- Duncan, R. A. and Richards, M. A. (1991) Hotspots, mantle plumes, flood basalts and true polar wander. *Revs. Geophys. Space Phys.*, 29, 31-50.
- Duplessy, J. C., Delibrias, G., Turon, J. L., Pujol, C. and Duprat, J. C. (1981) The North Atlantic Ocean during the last deglaciation. *Palaeogeogr. Palaeoclimat. Palaeoecol.*, 35, 121-144.
- Duplessy, J. C., Shackleton, N. J., Fairbanks, R. G., Labeyrie, L., Oppo, D. W. and Kallel, N. (1988) Deep water source variations during the last climatic cycle and their impact on the global deep water circulation. *Paleoceanography*, 3, 343-360.
- Dury, G. H. (1959) *The Face of the Earth*. Penguin Books, 220p., Harmondsworth.
- Eberl, B. (1930) *Eiszeitflüge im nordlichen Alpenvorlande*. 437p., Dr. Benno Filser.
- Eddy, J. A. (ed.) (1992) The PAGES project: proposed implementation plans for research activities. *Global IGBP Change Report* No. 19, 112p.
- Edwards, R. L., Beck, J. W., Burr, G. S., Donahue, D. J., Chappell, J., Bloom, A. L., Druffel, E. R. M. and Taylor, F. W. (1993) A large drop in atmospheric ¹⁴C/¹³C and reduced melting in the Younger Dryas, documented with ²³⁰Th ages of corals. *Science*, 260, 962-968.
- Edwards, L. R., Chen, J. H., Ku, T. L. and Wasserburg, G. J. (1987) Precise timing of the last interglacial period from mass-spectrometric determination of thorium-230 in corals. *Science*, 236, 1547-1553.
- Efremov, I. A. (1940) Taphonomy: a new branch of paleontology. *Pan-American Geologist*, 74, 81-93.
- Egg, M. und Spindler, K. (1993) *Die Gletschermumie vom Ende der Steinzeit aus den Ötztal Alpen*. 128p., Verlag des Römischh-Germanischen Zentralmuseums.
- Eggers, H. J. (1959) *Einführung in die Vorgeschichte*. 318p., R. Piper & Co. Verlag [H. J. エガース著, 田中 琢・佐原 真訳 (1981) 考古学研究入門. 岩波書店].
- Ehrenberg, C. G. (1838) *Beobachtungen über neue Lager fossiler Infusorien und des Vorkommen von Fichtenblütenstaub neben deutlichen Fichtenholz, Haifischzähnen, Echiniten und Infusorien in volhynischen Feuersteinen der Kreide*. Ver. Preuss. Akad. Wiss.
- Ehrlich, P. R. and Raven, P. H. (1964) Butterflies and plants: a study in coevolution. *Evolution*, 18, 586-608.
- Emiliani, C. (1955) Pleistocene temperatures. *Jour. Geol.*, 63, 538-575.

- Emiliani, C. (1966) Paleotemperature analysis of Caribbean cores P6304-8 and P6304-9 and a generalized temperature curve for the past 425,000 years. *Jour. Geol.*, 74, 109-126.
- Emiliani, C. (1978) The cause of the ice ages. *Earth Planet. Sci. Lett.*, 37, 349-359.
- Epstein, H. and Mason, I. L. (1984) Cattle. Mason, I. L. (ed.) *Evolution of Domesticated Animals*, 6-27.
- Erez, J. (1978) Vital effect on stable-isotope composition seen in foraminifera and coral skeletons. *Nature*, 273, 199-202.
- Ericson, D. B. and Wollin, G. (1968) Pleistocene climates and chronology in deep-sea sediments. *Science*, 162, 1227-1234.
- Evans, H. E. and Chistensen, G. C. (1979) *Miller's Anatomy of the Dog* (2nd ed.). 1181p., W. B. Saunders Co.
- Fairbanks, R. G. (1989) A 17,000 year glacio-eustatic sea level record: influence of glacial melting rates on the Younger Dryas event and deep ocean circulation. *Nature*, 342, 637-642.
- Fairbanks, R. G. and Dodge, R. E. (1979) Annual periodicity of the $^{18}\text{O}/^{16}\text{O}$ and $^{13}\text{C}/^{12}\text{C}$ ratios in the coral *Montastrea annularis*. *Geochim. Cosmochim. Acta.*, 43, 1009-1020.
- Fairbridge, R. W. (1961) Eustatic changes in sea level. *Phys. Chem. Earth*, 4, 99-185.
- Fairbridge, R. W. (1971) Quaternary shoreline problems at INQUA. *Quaternaire*, 15, 1-17.
- Farrell, J. W., Pedersen, T. F., Calvert, S. E. and Nielsen, B. (1995) Glacial-interglacial changes in nutrient utilization in the equatorial Pacific Ocean. *Nature*, 377, 514-515.
- Filion, L. and Quinty, F. (1993) Macrofossil and tree-ring evidence for a long-term forest succession and mid-Holocene hemlock decline. *Quat. Res.*, 40, 89-97.
- Fink, J. and Kukla, G. J. (1977) Pleistocene climates in Central Europe: at least 17 interglacials after the Oluduvai Event. *Quat. Res.*, 7, 363-371.
- Fleischer, R. L. and Price, P. B. (1964) Glass dating by fission fragment tracks. *Jour. Geophys. Res.*, 69, 331-339.
- Flint, R. F. (1957, 1970) *Glacial and Pleistocene Geology*. John Wiley and sons.
- Flint, R. F. (1971) *Glacial and Quaternary Geology*. 892p., John Wiley.
- Floelich, P. N., Mortlock, R. A. and Shemesh, A. (1989) Inorganic germanium and silica in the Indian Ocean: Biological fractionation during (Ge / Si) opal formation. *Global Biogeochem. Cycles*, 3, 37-88.
- Fox, P. J. and Gallo, D. G. (1984) A tectonic model for ridge-transform-ridge plate boundaries: Implications for the structure of oceanic lithosphere. *Tectonophysics*, 104, 205-242.
- Francois, R., Bacon, M. P. and Suman, D. O. (1990) Thorium-230 profiling in deep-sea sediments: High resolution records of flux and dissolution of carbonate in the equatorial Atlantic during the last 24,000 years. *Paleoceanography*, 5, 761-787.
- Froelich, P. N., Klinkhammer, G. P., Bender, M. L., Luedtke, N. A., Heath, G. R., Cullen, D. C., Dauphin, P., Hammond, D., Hartman, B. and Maynard, V. (1979) Early diagenesis of organic matter in pelagic sediments of the eastern equatorial Atlantic; suboxic diagenesis. *Geochim. Cosmochim. Acta.*, 43, 1075-1090.
- Froggatt, P. C. (1992) Standardization of the chemical analysis of tephra deposits: Report of the ICCT Working Group. *Quat. Inter.*, 13/14, 93-96.
- Frolich, C. and Lean, J. (1998) The sun's total irradiance: Cycles, trends and related climate change uncertainties since 1976. *Geophys. Res. Lett.*, 25, 4377-4380.
- 藤江明雄・赤木三郎 (1995) 帝釈観音堂洞窟遺跡より産出した陸貝について。広島大学文学部帝釈峽遺跡群発掘調査室年報X, 127-132, pls. 26-27.
- 藤井昭二・奈須紀幸 (1988) 海底林一黒部川扇状地入善沖海底林の発見を中心として。163p., 東京大学出版会。
- 藤田正勝・河村善也 (1997a) 帝釈峽遺跡群における後期更新世一完新世の小型哺乳類の大きさの変化 (予報)。広島大学文学部帝釈峽遺跡群発掘調査室年報XII, 113-142.
- 藤田正勝・河村善也 (1997b) 帝釈峽遺跡群における後期更新世一完新世の中・大型哺乳類の大きさの変化 (予報)。広島大学文学部帝釈峽遺跡群発掘調査室年報XII, 143-154.
- 福岡孝昭 (1995) 第四紀試料放射年代測定の高精度化の現状と年代値の解釈。第四紀研究, 34, 265-270.
- 福沢仁之 (1995) 天然の「時計」「環境変動検出計」としての湖沼の年縞堆積物。第四紀研究, 34, 135-149.
- 福沢仁之 (1998) 氷河期以降の気候の年々変動を読む。科学, 68, 353-360.
- 福澤仁之 (1999) 日本の湖沼年縞編年学—高精度編年と環境変動の高分解能復元—。月刊地球, 号外26, 181-191.
- Fukusawa, H. (1999) Varved lacustrine sediments in Japan: recent progress. *Quat. Res.*, 38, 237-243.
- Fukusawa, H., Kato, M. and Fujiwara, O. (2002) Changes of eco-systems in the last 500 years caused by human impacts in Lake Suigetsu, central Japan. *Geogr. Rep. Tokyo Metropolitan Univ.*, 37, 41-49.
- 福沢仁之・北川浩之 (1993) 水月湖の縞状堆積物に記録された完新世海水準・乾湿変動とその周期性。日本第四紀学会講演要旨集, 31, 144-145.
- Fukusawa, H., Yamada, K., Zolitschka, B. and Yasuda, Y. (2001) Varved chronology of European maar and Japanese lake sediments since the Last Glacial: How many sets of light-dark lamina were formed annually? *Terra Nostra*, 01/3, 91-95.
- Funnell, B. M. (1995) Global sea-level and the (pen-) insularity of late Cenozoic Britain. Preece, R. C. (ed.) *Island Britain: a Quaternary Perspective*, 3-14, Geological Society, Bath.
- 鴈澤好博・渡辺友東子・伴かおり・橋本哲夫 (1995) 石英粒子の天然熱蛍光を利用したテフラ起源と風成塵起源堆積物の識別方法—上北平野, 天狗岱面上の中期更新世の段丘堆積物を例として—。地質学雑誌, 101, 705-716.
- Gagan, M. K., Chivas, A. R. and Isdale, P. J. (1994) High resolution isotopic records from corals using ocean temperature and mass-spawning chronometers. *Earth Planet Sci. Lett.*, 121, 549-558.
- Gallup, C. D., Edwards, R. L. and Johnson, R. G. (1994) The timing of high sea levels over the past 200,000 years. *Science*, 263, 796-800.
- Geikie, J. (1874) *The Great Ice Age and its Relation to the Antiquity of Man* (1st ed.). 575p., W. Isbister.
- Geikie, J. (1894) *The Great Ice Age and its Relation to the Antiquity of Man* (3rd ed.). 850p., Stanford.
- 玄 相民 (1995) 西七島海域の古生物生産量と堆積物中のバリウムの挙動 (予報)。月刊海洋, 27, 487-491.
- Gibbard, P. L., West, R.G., Zagwijn, W. H., Balson, P. S., Burger, A. W., Funnell, B. M., Jeffery, D. H., de Jong, J., van Kolfschoten, T., Lister, A. M., Meijer, T., Norton, P. E. P., Preece, R. C., Rose, J., Stuart, A.J., Whiteman, C. A. and Zalasiewicz, J. A. (1991) Early and Early Middle Pleistocene correlations in the Southern North Sea Basin. *Quat. Sci. Rev.*, 15, 23-52.
- Gilbert, G. K. (1890) *Lake Bonneville*. Monographs of the United States Geological Survey. 1, 438p., U. S. Government Printing Office.
- Gjærevoll, O. (1963) Survival of plants on nunataks in Norway

- during the Pleistocene glaciation., Löve, A. and Löve, D. (eds.) *North Atlantic Biota and their History*, 261-283, Pergamon Press.
- Glenn, C. R. and Kelts, K. (1991) Sedimentary rhythms in lake deposits. Einsele, G., Ricken, W. and Seilacher, A. (eds.) *Cycles and Events in Stratigraphy*, 188-221, Springer Verlag.
- Godwin, H. (1962) Half-life of radiocarbon. *Nature*, 195, 944.
- Göppert, H. R. (1836) De floribus in statu fossili commentatio. *N. Acta Acad. Leop. Carol. Natur. Cur.*, 18, 547-572.
- Gordon, A. D. and Birks, H. J. B. (1972) Numerical methods in Quaternary palaeoecology. I. Zonation of pollen diagrams. *New phytol.*, 71, 961-979.
- Goslar, T., Kuc, T., Ralska-Jasiewiczowa, M., Rozanski, K., Arnold, M., Bard, E., van Geel, B., Pazdur, M. F., Szeroczyńska, K., Wicik, B., Wieckowski, K. and Walanus, A. (1993) High-resolution lacustrine record of the late Glacial / Holocene transition in central Europe. *Quat. Sci. Rev.*, 12, 287-294.
- Goudie, A. S., Cooke, R. U. and Doornkamp, J. C. (1979) The formation of silt from quartz dune sand by salt processes in deserts. *Jour. Environments*, 2, 105-112.
- Graham, R. (1986) Taxonomy of North American mammoths. Frison, G. C. and Todd, L. C. (eds.) *The Colby Mammoth Site: Taphonomy and Archaeology of a Clovis Kill in Northern Wyoming*, 165-169, Univ. New Mexico Press.
- Graham, R. W. (1986) Plant-animal interactions and Pleistocene extinctions. Elliott, D. K. (ed.) *Dynamics of Extinction*, 131-154, John Wiley & Sons.
- Graham, R. W. (1986) Response of mammalian communities to environmental changes during the Late Quaternary. Diamond, J. and Case, T. J. (eds.) *Community Ecology*, 300-311, Harper and Row.
- Graham, R. (1932) Der Löss in Europa. *Mitteilungen der Gesellschaft für Erdkunde zu Leipzig*, 51, 5-24.
- Grange, L. I. (1931) Volcanic ash showers. *New Zealand Jour. Sci. Technol.*, 12, 228-240.
- Gräslund, B. (1987) *The Birth of Prehistoric Chronology: Dating Methods and Dating Systems in Nineteenth-century Scandinavian Archaeology*. 131p., Cambridge Univ. Press.
- Gray, J. (ed.) (1988) Aspects of freshwater palaeoecology and biogeography. *Palaeogeogr. Palaeoclimatol. Palaeoecol.*, special issue, 62, 1-623.
- Grayson, D. K. (1984) *Quantitative Zooarchaeology: Topics in the Analysis of Archaeological Faunas*. 202p., Academic Press.
- Green, D. G. (1981) Times series and postglacial forest ecology. *Quat. Res.*, 15, 265-277.
- Greenland Ice-core Project (GRIP) Members. (1993) Climate instability during the last interglacial period recorded in the GRIP ice core. *Nature*, 364, 203-207.
- Greuter, W. (ed.) (1988) *International Code of Botanical Nomenclature*. Koeltz [大橋広好訳 (1992) 国際植物命名規約. 241p., 津村研究所].
- Grootes, P. M., Stuiver, M., White, C., Johnsen, S. J. and Jouzel, J. (1993) Comparison of oxygen isotope records from the GISP2 and GRIP Greenland ice cores. *Nature*, 366, 552-554.
- Grossman, E. L. (1981) Stable isotope fractionation in live benthic foraminifera from the Southern California borderland. *Palaeogeogr. Palaeoclimatol. Palaeoecol.*, 33, 301-327.
- Grossman, E. L. (1984) Carbon isotopic fractionation in live benthic foraminifera comparison with inorganic precipitate studies. *Geochim. Cosmochim. Acta.*, 48, 1505-1512.
- Guérin, C. (1989) Biozones or mammal units? Methods and limits in biochronology. Lindsay, E. H., Fahlbusch, V. and Mein, P. (eds.) *European Neogene Mammal Chronology*, 119-130, Plenum Press.
- Guilderson, T. P., Fairbanks, R. G. and Rubenstone, J. L. (1994) Tropical temperature variations since 20,000 years ago: modulating interhemispheric climatic change. *Science*, 263, 663-665.
- Guiot, J., Pons, A., Beaulieu, J.-L. de and Reille, M. (1989) A 140,000-year continental climatic reconstruction from two European pollen records. *Nature*, 338, 309-313.
- Gunderson, H. L. (1976) *Mammalogy*. 483p., McGraw-Hill.
- Guthrie, R. D. (1982) Mammals of the mammoth steppe as paleoenvironmental indicators. Hopkins, D. M., Matthews, J. V. Jr., Schweger, C. E. and Young, S. B. (eds.) *Paleoecology of Beringia*, 307-326, Academic Press.
- Guthrie, R. D. (1984) Mosaics, allochemics and nutrients, an ecological theory of Late Pleistocene megafaunal extinctions. Martin, P. S. and Klein R. G. (eds.) *Quaternary Extinctions, a Prehistoric Revolution*, 259-298, Univ. Arizona Press.
- Guthrie, R. D. (1990) *Frozen Fauna of the Mammoth Steppe. The Story of Blue Babe*. 323p., Univ. Chicago Press.
- Guyodo, Y. and Valet, J.-P. (1999) Global changes in intensity of the Earth's magnetic field during the past 800 kyr. *Nature*, 399, 249-252.
- Haast, J. von. (1878) On the geological structure of Banks Peninsula. *Trans. Proc. New Zealand Inst.*, 11, 495-512.
- Hajdas, I. (1993) *Extension of the Radiocarbon Calibration Curve by AMS Dating of Laminated Sediments of Lake Soppensee and Lake Holzmaar*. Doctoral Dissertation of ETH, 10157, 147p.
- Hajdas, I., Ivy, S. D., Beer, J., Bonani, G., Imboden, D., Lotter, A. F., Sturm, M. and Suter, M. (1993) AMS radiocarbon dating and varve chronology of Lake Soppensee: 6,000 to 12,000 ¹⁴C years BP. *Climate Dynamics*, 9, 107-116.
- Hamilton, W. L. and Seliga, T. A. (1972) Atmospheric turbidity and surface temperature on the polar ice sheets. *Nature*, 235, 320-322.
- Hammer, C. U., Clausen, H. B. and Dansgaard, W. (1980) Greenland ice sheet, evidence of post-glacial volcanism and its climatic impact. *Nature*, 288, 230-235.
- Hammer, C. U., Clausen, H. B., Dansgaard, W., Neftel, A., Kristinstottir, P. and Johnson, E. (1985) Continuous impurity analysis along the Dye 3 deep core. Langway, C. C. Jr., Oeschger, H. and Dansgaard, W. (eds.) *Greenland Ice Core: Geophysics, Geochemistry, and the Environment*. AGU Monograph, 33, 90-94, American Geophysical Union.
- Harlan, J. (1971) Agriculture origins: centers and non-centers. *Science*, 174, 468-474.
- Harland, W. B., Armstrong, R. L., Cox, A. V., Craig, L. E., Smith, A. G. and Smith, D. G. (1990) *A Geological Time Scale 1989*. Cambridge Univ. Press.
- Harmon, R. S., Mitterer, R. M., Kriausakal, N., Land, L. S., Schwarcz, H. P., Garrett, P., Larson, G. J., Vacher, H. L. and Rowe, M. (1983) U-series and amino-acid racemisation geochronology of Bermuda: implications for eustatic sea-level fluctuations over the past 250,000 years. *Palaeogeogr. Palaeoclimatol. Palaeoecol.*, 44, 41-70.
- Harris, E. C. (1989) *Principles of Archaeological Stratigraphy* (2nd ed.). 170p., Academic Press [E. ハリス. 著, 小沢一雅訳 (1995) 考古学における層位学入門. 228p., 雄山閣].
- Harris, J. W. (1983) Cultural beginnings: Plio-Pleistocene archaeological occurrences from the Afar, Ethiopia. *African Archaeological Rev.*, 1, 3-31.
- Harrison, S. P. and Dobson, J. (1993) Climates of Australia and

- New Guinea since 18,000 yr. BP. Wright, H. E. *et al.* (eds.) *Global Climates since the Last Glacial Maximum*, 265-292, Uni. Minnesota Press.
- Hartmann, D. L. (1994) *Global Physical Climatology*. 411p., Academic Press.
- Hartmann, M., Muller, P., Suess, E. and van der Weijden, C. H. (1976) Chemistry of Late Quaternary sediments and their interstitial waters from the NW African continental margin. *Meteor. Forschungs. Ergeb.* Reihe C, 24, 1-67.
- 服部 保 (1985) 日本本土のシイ・タブ型照葉樹林の群落生態学的研究. 神戸群落生態研究会報, 1, 1-99.
- 林 弥栄 (1951) 日本産主要樹種の天然分布. 針葉樹第1報. 林業試験場研究報告, 48, 1-240.
- Haynes, G. (1991) *Mammoths, Mastodons, and Elephants: Biology, Behavior, and the Fossil Record*. 413p., Cambridge Univ. Press.
- Hays, J. D., Imbrie, J. and Shackleton, N. J. (1976) Variations in the earth's orbit: pacemaker of the Ice Ages. *Science*, 194, 1121-1132.
- Hays, J. D., Saito, T., Opdyke, N. D. and Burckle, L. H. (1969) Pliocene-Pleistocene sediments of the equatorial Pacific: their paleomagnetic, biostratigraphic, and climatic record. *Geol. Soc. Amer. Bull.*, 80, 1481-1514.
- Heinrich, H. (1988) Origin and consequences of cyclic ice rafting in the northeast Atlantic Ocean during the past 130,000 years. *Quat. Res.*, 29, 142-152.
- Heinrich, W.-D. (1982) Zur Evolution und Biostratigraphie von *Arvicola* (Rodentia, Mammalia) im Pleistozän Europas. *Zeitschr. geol. Wiss.*, 10, 683-735.
- Heirtzler, J. R., Dickson, G. O., Herron, E. M., Pitman, W. C. III, and Le Pichon, X. (1968) Marine magnetic anomalies, geomagnetic field reversals, and motions of the ocean floor and continents. *Jour. Geophys. Res.*, 73, 2119-2136.
- Heller, F. and Liu, T. (1982) Magnetostratigraphic dating of loess deposits in China. *Nature*, 300, 431-433.
- Hess, H. H. (1962) History of the ocean basins. *Petrologic Studies: A volume in Honour of A. F. Buddington*, 599-620, Geological Society of America.
- Hilgen, F. J. (1991) Astronomical calibration of Gauss to Matuyama sapropels in the Mediterranean and implications for the Geomagnetic Polarity Time Scale. *Earth Planet. Sci. Lett.*, 104, 226-244.
- 樫根 勇 (1973) 水の循環. 280p., 共立出版.
- 樫根 勇 (1989) 水と気象. 180p., 朝倉書店.
- 平川一臣 (1985) 山麓氷河の消長—アルプス北麓. 貝塚爽平ほか編「写真と図でみる地形学」: 132-133, 東京大学出版会.
- Hirooka, K. (1971) Archaeomagnetic study for the past 2000 years in southwest Japan. *Mem. Fac. Sci. Kyoto Univ.*, 38, 167-207.
- Hirooka, K. (1983) Archaeomagnetism of baked clays: Results from Japan. In: Greer, K. M., Tucholka, P. and Barton, C. E. (eds.) *Geomagnetism of baked clays and recent sediments*, 150-157, Elsevier.
- Hollin, J. T. (1962) On the glacial history of Antarctica. *Jour. Glaciol.*, 4, 173-195.
- Holmes, A. (1928-29) Radioactivity and earth movement. *Trans. geol. Soc. Glasgow*, 18, 559-606.
- Holmes, A. (1944) *Principles of Physical Geology*. Nelson.
- Holmes, Ch. D. (1944) Origin of loess—a criticism. *Amer. Jour. Sci.*, 242, 442-446.
- Holmes, P. L. (1994) The sorting of spores and pollen by water: experimental and field evidence. Traverse, A. (ed.) *Sedimentation of Organic Particles*, 9-32, Cambridge Univ. Press.
- Hölzel, V. (ed.) (1998) *Resources and Environment World Atlas I*. 93p., IGRAS.
- 本多 了・酒井治孝 (1988) ヒマラヤ山脈の形成—大陸衝突型造山運動のメカニズム. 科学, 58, 570-579.
- Hopkins, D. M. (ed.) (1967) *The Bering Land Bridge*. 495p., Stanford Univ. Press.
- Hopkins, D. M., Matthews, J. V. Jr., Schweger, C. E. and Young, S. B. (eds.) (1982) *Paleoecology of Beringia*. Academic Press.
- Horn, D. R., Delach, M. N. and Horn, B. M. (1969) Distribution of volcanic ash layers and turbidities in the North Pacific. *Geol. Soc. Amer. Bull.*, 80, 1715-1724.
- Horton, D. R. (1984) Red kangaroos: Last of the Australian megafauna. Martin, P. S. and Klein, R. G. (eds.) *Quaternary Extinctions: A Prehistoric Revolution*, 639-680, Univ. Arizona Press.
- 堀田 満 (1994) 地球環境と植物の暮らし. 週刊朝日百科 植物の世界, 13, 2-6.
- Housley, R. A., Gamble, C. S., Street, M. and Pettit, P. (1997) Radiocarbon evidence for the Lateglacial human recolonisation of Northern Europe. *Proc. Prehistoric Soc.*, 63, 25-54.
- Hoyt, D. V. and Schatten K. H. (1977) *The Role of the Sun in Climate Change*. 279p., Oxford Univ. Press.
- Hsu, J. (1976) On the palaeobotanical evidence for continental drift and Himarayan uplift. *Palaeobotanist*, 25, 131-145.
- Hu, F. S., Wright, H. E. Jr., Ito, E. and Lease, K. (1997) Climatic effects of glacial Lake Agassiz in the midwestern United States during the last deglaciation. *Geology*, 25, 207-210.
- Huntley, B., Cramer, W., Morgan, A. V., Prentice, H. C. and Allen, J. R. M. (eds.) (1995) *Past and Future Rapid Environmental Changes: the Spatial and Evolutionary Responses of Terrestrial Biota*, 523p., Springer.
- Huttenen, P. and Tolonen, K. (1977) *Human Influence in the History of Lake Lovojarvi, southern Finland*. 65p., Finskt Museum.
- Hutton, J. (1795) *Theory of the Earth*. V.2, 567p, William Creech [reprinted (1959) facsimile. Hafner Publishing Co.].
- 兵頭政幸・峯本須美代 (1996) 日本の湖沼堆積物から得られた地磁気永年変化とエクスカージョンによる年代測定. 第四紀研究, 35, 125-133.
- 市原 実 (1960) 大阪, 明石地域の第四紀層に関する諸問題. 地球科学, 49, 15-25.
- 市原 実・亀井節夫 (1970) 大阪層群—平野と丘陵の地質. 科学, 40, 282-281.
- 五十嵐八枝子 (1987) 北海道中央部における空中花粉の落下と風による運搬 (II). 北海道大学農学部演習林研究報告, 24, 477-506.
- 井尻正二・湊 正雄 (1965) 地球の歴史 [改訂版]. 岩波新書, 211p., 岩波書店.
- Ikebe, N., Chiji, M. and Ishida, S. (1966) Catalogue of the Late Cenozoic Proboscidea in the Kinki District, Japan. *Jour. Geosci. Osaka City Univ.*, 9, 47-87.
- 池田清彦 (1992) 分類という思想. 新潮選書, 228p., 新潮社.
- 池田まゆみ・福澤仁之・岡村 真・松岡裕美 (1998) 湖沼年縞堆積物によるグローバルな気候・海水準変動の検出—青森県小川原湖と十三湖における過去2300年間の環境変遷を例として—. 気象研究ノート, 191, 35-58.

- 池田安隆 (1996) 活断層研究と日本列島の現在のテクトニクス。活断層研究, 15, 93-99.
- 池田安隆・島崎邦彦・山崎晴雄 (1996) 活断層とは何か。240p., 東京大学出版会。
- 池谷仙之・和田秀樹・阿久津浩・高橋 実 (1990) 浜名湖の起源と地史的変遷。地質学論集, 36, 129-150.
- 今泉忠明 (1986) 地球絶滅動物記。253p., 竹書房。
- 今泉吉典 (1970) 日本哺乳動物図説 上巻。350p., 新思潮社。
- Imbrie, J., Berger, A. Boyle, E., Clements, S., Duffy, A., Howard, W., Kukla, G., Kutzbach, J., Martinson, D., McIntyre, A., Mix, A., Molfino, B., Morley, J., Peterson, L., Pisias, N., Prell, W., Raymo, M., Shackleton, N. and Toggweiler, J. (1993) On the structure and origin of major glaciation cycles, 2: The 100,000 years cycle. *Paleoceanography*, 8, 699-735.
- Imbrie, J., Boyle, E., Clements, S., Duffy, A., Howard, W., Kukla, G., Kutzbach, J., Martinson, D., McIntyre, A., Mix, A., Molfino, B., Morley, J., Peterson, L., Pisias, N., Prell, W., Raymo, M., Shackleton, N. and Toggweiler, J. (1992) On the structure and origin of major glaciation cycles, 1: Linear responses to Milankovitch forcing. *Paleoceanography*, 7, 701-738.
- Imbrie, J., Hays, J. D., Martinson, D. G., McIntire, A., Mix, A. C., Morley, J. J., Pisias, N. G., Prell, W. L. and Shackleton, N. J. (1984) The orbital theory of Pleistocene climate: Support from a revised chronology of the marine $\delta^{18}\text{O}$ record. Berger, A. L. et al. (eds.) *Milankovitch and Climate, Part I*, 269-305, Reidel.
- Imbrie, J. and Imbrie, K. P. (1979) *Ice Ages: Solving the Mystery*. 224p., MacMillan.
- Imbrie, J. and Kipp, N. G. (1971) A new micropaleontological method for quantitative paleoclimatology: Application to a late Pliocene Caribbean core. Turekian, K. K. (ed.) *The Late Cenozoic glacial ages*, 71-181, Yale Univ. Press.
- Imbrie, J., van Donk, J. and Kipp, N. G. (1973) Paleoclimatic investigation of a late Quaternary Caribbean deep-sea core: comparison of isotopic and faunal methods. *Quart. Res.*, 3, 10-38.
- Innes, J. L. (1985) Lichenometry. *Prog. Phys. Geography*, 9, 187-254.
- 井上克弘・成瀬敏郎 (1990) 日本海沿岸の土壌および古土壌中に堆積したアジア大陸起源の広域風成塵。第四紀研究, 29, 209-222.
- International Commission on Zoological Nomenclature (1985) *International Code of Zoological Nomenclature adopted by the XX General Assembly on the International Union of Biological Sciences*. 338p., International Trust Zoological Nomenclature.
- International Commission on Zoological Nomenclature (1999) *International Code of Zoological Nomenclature* (4th ed.). 306p., International Trust for Zoological Nomenclature.
- International Subcommittee on Stratigraphic Classification of IUGS Commission on Stratigraphy (1994) *International Stratigraphic Guide* (2nd ed.). 214p., Geological Society of America.
- Irving, E. and Major, A. (1964) Post-depositional detrital remanent magnetization in a synthetic sediment. *Sedimentology*, 3, 135-143.
- Isdale, P. J. and Kotwicki, V. (1987) Lake Eyre and the Great Barrier Reef: a palaeohydrological ENSO connection. *South Aust. Geogr. Jour.*, 87, 44-55.
- 石田志朗 (1970) 大阪層群—淡水・内海成互層の下部洪積統。第四紀研究, 9, 101-112.
- 石原与四郎・宮田雄一郎 (1999) 中期更新統葦山原層 (岡山県) の湖成縞状珪藻土層に見られる周期変動。地質学雑誌, 105, 461-472.
- Ishiwatari, R., Hirakawa, T., Uzaki, M., Yamada, K. and Yada, T. (1994) Organic geochemistry of the Japan Sea sediments-1: Bulk organic matter and hydrocarbon analyses of core KH-79-3, C-3 from the Oki Ridge for palaeoenvironmental assessments. *Jour. Oceanogr.*, 50, 179-195.
- 磯崎行雄 (1997) 分裂する超大陸と生物大量絶滅。科学, 67, 543-549.
- 板谷徹丸 (1997) 地質学に貢献する放射年代学1 日本の現状と展望。地質学論集, (49), 107-120.
- 板谷徹丸・岡田利典 (1995) 第四紀研究におけるK-Ar法の過去・現在・未来。第四紀研究, 34, 249-259.
- Iversen, J. (1941) Landnam i Danmarks Stenalder. *Danm. Geol. Unders.*, R. 2, (66), 1168.
- Iversen, J. (1944) *Viscum, Hedera, and Ilex* as climatic indicators. *Geol. Foren. Forhandl. Stock.*, 66, 463-483.
- Iversen, J. (1956) Forest clearance in the Stone Age. *Scientific American*, 194, 36-41.
- Iwauchi, A. (1994) Late Cenozoic vegetational and climatic changes in Kyushu, Japan. *Palaeogeogr. Palaeoclimatol. Palaeoecol.*, 108, 229-280.
- Jackson, E. D., Shaw, H. R. and Barger, K. E. (1975) Calculated geochronology and stress field orientations along the Hawaiian chain. *Earth Planet. Sci. Lett.*, 26, 145-155.
- Jackson, E. D., Silver, E. A. and Dalrymple, G. B. (1972) Hawaiian-Emperor chain and its relation to Cenozoic circum-pacific tectonics. *Geol. Soc. Amer. Bull.*, 83, 601-617.
- Jamieson, T. F. (1865) On the history of the last geological changes in Scotland. *Quat. Jour. Soc. London*, 21, 161-195.
- Jánossy, D. (1986) *Pleistocene Vertebrate Faunas of Hungary*. 208p., Elsevier.
- Janzen, D. H. and Martin, P.S. (1982) Neotropical anachronisms: the fruits the gomphotheres ate. *Science*, 215, 19-27.
- Jarman, M. R. (1969) The prehistory of Upper Pleistocene and recent cattle. Part 1: East Mediterranean, with reference to North-West Europe. *Proc. Prehist. Soc.*, 35, 236-266.
- Jasper, J. P. and Hayes, J. M. (1990) A carbon isotope record of CO₂ levels during the late Quaternary. *Nature.*, 347, 462-464.
- Jasper, J. P., Hayes, J. M., Mix, A. C. and Pahl, F. G. (1994) Photosynthetic fractionation of ¹³C and concentrations of dissolved CO₂ in the central equatorial Pacific during the last 255,000 years. *Paleoceanography*, 9, 781-798.
- Jensen, H. A. (1998) *Bibliography on Seed Morphology*. 310p., Balkema.
- Johnsen, S. J., Clausen, H. B., Dansgaard, W., Fuhrer, K., Gundestrup, N., Hammer, C. U., Iversen, P., Jouzel, J., Stauffer, B. and Steffensen, J. P. (1992) Irregular glacial interstadials recorded in a new Greenland ice core. *Nature*, 35, 311-313.
- Johnson, N. M., Opdyke, N. D., Johnson, G. D., Lindsay, E. H. and Tahirkheli, R. A. K. (1982) Magnetic polarity stratigraphy and ages of Siwalik Group rocks of the Potwar, Pakistan. *Palaeogeogr. Palaeoclimatol. Palaeoecol.*, 37, 17-42.
- Johnson, N. M., Stix, J., Tauxe, L., Cerveny, P. F. and Tahirkheli, R. A. K. (1985) Paleomagnetic chronology, fluvial processes and tectonic implications of the Siwalik deposits near Chinji village, Pakistan. *Jour. Geol.*, 93, 27-40.
- Jouzel, J., Barkov, N. I., Barnola, J. M., Bender, M., Chappellaz, J., Genthon, C., Kotlyakov, V. M., Lipenkov, V., Lorius, C., Petit, J. R., Raynaud, D., Raisbeck, G., Ritz, C., Sowers, T., Stievenard, M., Yiou, F. and Yiou, P. (1993) Extending the Vostok ice-core record of palaeoclimate to the penultimate

- glacial period. *Nature*, 364, 407-413.
- Jouzel, J., Lorius, C., Petit, J. R., Genthon, C., Barkov, N. I., Kotlyakov, V. M. and Petrov, V. M. (1987) Vostok ice core: a continuous isotope temperature record over the last climatic cycle (160,000 years). *Nature*, 329, 403-408.
- Jouzel, J., Merlivat, M. and Lorius, C. (1982) Deuterium excess in an East Antarctic ice core suggests higher relative humidity at the oceanic surface during the last glacial maximum. *Nature*, 299, 688-691.
- Kahlke, H. D. (1981) *Das Eiszeitalter*. Aulis Verlag.
- 貝塚爽平 (1977) 日本の地形—特質と由来. 岩波新書, 234p., 岩波書店.
- 貝塚爽平 (1997) 人類史・自然史の時空ダイアグラム. 地理, 42, 14-15.
- 貝塚爽平 (1998) 発達地地形学. 286p., 東京大学出版会.
- 垣見俊弘 (1996) トランスフォーム断層. 新版地学辞典, 930p., 平凡社.
- Kamei, T. (1981) Faunal succession of Pleistocene mammals in the Japanese Islands: An aspect. *Quartärpaläont.*, 4, 165-174.
- Kamei, T. and Otsuka, H. (1981) The Plio-Pleistocene stratigraphy of Japan in relation to proboscidean evolution. *Proc. Neogene / Quaternary Boundary Field Conference, India, 1979*, 83-90.
- 亀井節夫 (1967) 日本に象がいたころ. 198p., 岩波書店.
- 亀井節夫 (1979) 日本列島の新生代哺乳動物について. 哺乳類科学, 38, 1-11.
- 亀井節夫編著 (1991) 日本の長鼻類化石. 273p., 築地書館.
- 亀井節夫・河村善也・樽野博幸 (1988) 日本の第四系の哺乳動物化石による分帯. 地質学論集, (30), 181-204.
- 神谷英利・河村善也 (1981) 帝釈観音堂洞窟遺跡産の“長鼻類”臼歯化石—化石の内部分類組織を同定に役立てた例—. 化石研究会会誌, 14, 17-21.
- Kanamori, H. (1971) Faulting of the Great Kanto Earthquake of 1923 as revealed by seismological data. *Bull. Earthq. Res. Inst.*, 49, 13-18.
- 金森博雄・安藤雅孝 (1973) 関東地震の断層モデル. 関東大地震五十周年論文集, 89-101.
- 金子浩昌 (1976) 動物遺存体. 江上波夫監修「考古学ゼミナール」: 340-345, 山川出版社.
- 金子浩昌 (1984) 貝塚の獣骨の知識: 人と動物のかかわり. 173p., 東京美術.
- 兼岡一郎 (1999) 年代測定概論. 315p., 東京大学出版会.
- Kashiwaya, K., Yamamoto, A. and Fukuyama, K. (1987) Time variations of erosional force and grain size in Pleistocene lake sediments. *Quat. Res.*, 28, 61-68.
- 加藤めぐみ・福沢仁之・安田喜憲・藤原 治 (1998) 鳥取県東郷池湖底堆積物の層序と年編. 汽水域研究, 5, 27-37.
- 加藤晋平 (1971) マンモスハンター. 251p., 学生社.
- 加藤芳朗・近堂祐弘・永塚鎮男 (1977) 古土壌. 日本第四紀学会編「日本の第四紀研究—その発展と現状」: 189-206, 東京大学出版会.
- 活断層研究会 (1980) 日本の活断層—分布図と資料—. 東京大学出版会.
- 活断層研究会 (1991) 新編日本の活断層—分布図と資料—. 東京大学出版会.
- Kawai, N., Yaskawa, K., Nakajima, T., Torii, M. and Natsuhara, N. (1975) Voice of geomagnetism from Lake Biwa. Horie, S. (ed.) *Paleolimnology of Lake Biwa and the Japanese Pleistocene*, 3, 143-161.
- 河村善也 (1981) 第四紀における哺乳動物の大きさの変化. 成長, 20, 191-194.
- 河村善也 (1982) 洞窟と古生物学. 自然科学と博物館, 49, 140-143.
- 河村善也 (1984) 帝釈観音堂洞窟遺跡出土のシカ遺体の年齢構成. 広島大学文学部帝釈峡遺跡群発掘調査室年報VII, 87-100.
- Kawamura, Y. (1988) Quaternary rodent faunas in the Japanese Islands (Part 1). *Mem. Fac. Sci. Kyoto Univ.*, Ser. Geol. Min., 53, 31-348.
- 河村善也 (1989) マンモスと先史モンゴロイド. モンゴロイド, 2, 19-20.
- Kawamura, Y. (1989) Quaternary rodent faunas in the Japanese Islands (Part 2). *Mem. Fac. Sci. Kyoto Univ.*, Ser. Geol. Min., 54, 11-35.
- 河村善也 (1990) ハタネズミ類の臼歯とその進化. 哺乳類科学, 30, 59-74.
- Kawamura, Y. (1991) Quaternary mammalian faunas in the Japanese Islands. *Quat. Res.*, 30, 213-220.
- 河村善也 (1992) 小型哺乳類化石標本の採集と保管. 哺乳類科学, 31, 99-104.
- Kawamura, Y. (1994) Late Pleistocene to Holocene mammalian faunal succession in the Japanese Islands, with comments on the Late Quaternary extinctions. *ArchaeoZoologia*, 6, 7-22.
- 河村善也 (1996) 帝釈観音堂洞窟遺跡の哺乳動物群から見た最終氷期の古環境. 広島大学文学部帝釈峡遺跡群発掘調査室年報XI, 115-122.
- 河村善也・藤田正勝・馬場 勉・有元洋司 (1996) 小型脊椎動物化石抽出のための堆積物処理. 「古琵琶湖層群上野累層の足跡化石」: 79-85, 服部川足跡化石調査団.
- 河村善也・中越利夫 (1997) 本州中・西部における第四紀末の哺乳類の絶滅現象とそれに関連する諸問題. 広島大学文学部帝釈峡遺跡群発掘調査室年報XII, 155-168.
- 河村善也・樽野博幸 (1993) 両生類, 爬虫類, 鳥類, 哺乳類. 日本第四紀学会編「第四紀試料分析法, 1試料調査法」: 37-40, 東京大学出版会.
- 川崎一郎・島村英紀・浅田 敏 (1993) サイレント・アースクウェイク. 東京大学出版会.
- 茅根 創 (1996) 氷期と将来の地球環境変動. 住 明正ほか (編著)「地球環境論」: 77-100, 岩波書店.
- Keigwin, L. D. (1978) Pliocene closing of the Isthmus of Panama, based on biostratigraphic evidence from nearby Pacific Ocean and Caribbean Sea cores. *Geology*, 6, 630-634.
- Keigwin, L. D. (1982) Isotopic paleoceanography of Caribbean and east Pacific: Role of Panama uplift in late Neogene time. *Science*, 217, 350-353.
- Keller, E. A. and Pinter, N. (1996) *Active Tectonics*. 338p., Prentice Hall.
- Kelt, K. and Hsu, K. J. (1978) Freshwater carbonate sedimentation. Lehman, A. (ed.) *Lakes: geology, chemistry, physics*, 295-323, Springer Verlag.
- Kent, D. V. (1982) Apparent correlation of palaeomagnetic intensity and climatic records in deep-sea sediments. *Nature*, 299, 538-540.
- Kihara, H. and Nishiyama, I. (1930) Genomanalyse bei Triticum und Aegilops. I. Genoma-affinitäten intri-, tetra-, und pentaploiden Weizenbastarden. *Cytologia*, 1, 263-284.
- 菊池多賀夫 (1985) 日本の生物 (堀越増典・青木淳一編) 35p., 岩波書店.
- 木村 学 (1997) テクトニクスと造山作用. 「岩波講座地球惑星科学9 地殻の進化」: 187-276, 岩波書店.
- 木村英明 (1997) シベリアの旧石器文化. 426p., 北海道大学図書刊行会.
- 衣笠善博 (1976) 1974年伊豆半島沖地震と石廊崎地震断層. 地質学論集, (12), 139-149.
- 吉良竜夫 (1949) 日本の森林帯. 41p., 日本林業技術協会.

- Kira, T. (1991) Forest ecosystems of east and southeast Asia in a global perspective. *Ecol. Res.*, 6, 185-200.
- 北備後台地団体研究グループ (1969) 鍾乳洞の形成期について。地質学雑誌, 75, 281-287.
- Kitagawa, H., Fukusawa, H., Nakamura, T., Okamura, M., Takemura, K., Hayashida, A. and Yasuda, Y. (1995) AMS ^{14}C dating of the varved sediments from Lake Suigetsu, central Japan and atmospheric ^{14}C changes during the late Pleistocene. *Radiocarbon*, 37, 274-296.
- Kitagawa, H. and van der Plicht, J. (1998a) A 40,000-year varve chronology from Lake Suigetsu, Japan: Extension of the ^{14}C Calibration Curve. *Radiocarbon*, 40, 495-504.
- Kitagawa, H. and van der Plicht, J. (1998b) Atmospheric radiocarbon calibration to 45,000 yr B.P.: Late Glacial fluctuations and cosmogenic isotope production. *Science*, 279, 1187-1190.
- 紀藤典夫・瀧本文生 (1999) 完新世におけるブナの個体群増加と移動速度。第四紀研究, 38, 297-311.
- 清永丈太 (1996) 東京都世田谷区, 宇佐神社スタジイ林におけるスタジイの花粉生産速度。関東平野, 4, 77-84.
- Klein, R. G. (1986) Carnivore size and Quaternary climatic change in southern Africa. *Quat. Res.*, 26, 153-170.
- Klein, R. G. (1999) *The Human Career: Human Biological and Cultural Origins* (2nd ed.). 810p., Univ. Chicago Press.
- Klein, R. G. and Cruz-Urbe, K. (1984) *The Analysis of Animal Bones from Archeological Sites*. 266p., Univ. Chicago Press.
- 小林国雄・阪口 豊 (1982) 氷河時代。209p., 岩波書店。
- 小林義雄 (1969) 極地。207p., 誠文堂新光社。
- Koenigswald, W. v. (1980) Schmelzstruktur und Morphologie in den Molaren der Arvicolidae (Rodentia). *Abh. Senckenberg. Naturforsch. Ges.*, 539, 1-129.
- 小池一之・町田 洋編著 (2001) 日本の海成段丘アトラス。105p., 東京大学出版会。
- 小池一之・坂上寛一・佐瀬 隆・高野武男・細野 衛 (1994) 新版地学教育講座9 地表環境の地学—地形と土壌。198p., 東海大学出版会。
- Koizumi, I. (1992) Diatom biostratigraphy of the Japan Sea: Leg 127. Pisciotto, K. A., Ingle, J. C. Jr., von Breyman, M. T., and Barron, J. et al., (eds.) *Proceedings of the Ocean Drilling Program, Scientific Results*, 127/128, Pt. 1: 249-289, College Station, Texas (Ocean Drilling Program) .
- 古城 泰 (1995) 測定値の平均化とウィグル・マッチィング—高精度年代測定のための二, 三のテクニクについて—。第四紀研究, 34, 129-134.
- Kolla, V., Biscaye, P. E. and Hanley, A. F. (1979) Distribution of quartz in late Quaternary Atlantic sediments in relation to climate. *Quat. Res.*, 11, 261-277.
- 近藤 恵 (1993) 千葉市木戸作遺跡縄文後期貝層出土ウマ遺存体の年代の再評価—伴出哺乳動物骨のフッ素分析より—。第四紀研究, 32, 171-174.
- Konishi, K., Omura, A. and Nakamichi, O. (1974) Radiometric coral ages from the late Quaternary reef complexes of the Ryukyu Islands. *Proceedings of the 2nd International Coral Reef Symposium. Australia*, 2, 596-613.
- Konishi, K., Schlanger, S. O. and Omura, A. (1970) Neotectonic rates in the central Ryukyu Islands derived from ^{230}Th coral ages. *Marine Geology*, 9, 225-240.
- Köppen, W. (1918) Klassifikation der Klimate nach Tempertur, Niederschlag und Jahreslauf. *Petermanns-Geogr. Mitt.*, 64, 193-203, 243-248.
- Kormos, T. (1933) Neue Wühlmäuse aus dem Oberpliocän von Püspökfördö: *Neues Jahrb. Min., Beil.-Band, Abt. B*, 69, 323-346.
- コルバート, E. H.・モラレス, M. (1991) 脊椎動物の進化 (第4版)。554p., (田隅本生監訳, 1994) 築地書館。
- Kossina, G. (1911) Die Herkunft der Germanen-Zur Methode der Siedlungsarchäologie—。 *Mannus-Bibliothek*, 6 [G. コッシナ著, 星野達雄訳, ゲルマン人の起源。37p., レスキス] .
- 河野通弘編 (1980) 秋吉台の鍾乳洞—石灰洞の科学—。256p., 河野通弘教授退官記念事業会。
- Kowalski, K. (1960) Cricetidae and Microtidae (Rodentia) from the Pliocene of Weże (Poland). *Acta. Zool. Cracov.*, 5, 447-505.
- Kowalski, K. (1967) The Pleistocene extinction of mammals in Europe. Martin, P. S. and Wright, H. E. Jr. (eds.) *Pleistocene Extinctions: The Search for a Cause*, 349-364, Yale Univ. Press.
- Kowalski, K. (1995) Lemmings (Mammalia, Rodentia) as indicators of temperature and humidity in the European Quaternary. *Acta. Zool. Cracov.*, 38, 85-94.
- 小沢幸重 (1978) 長鼻類の歯の比較組織学。口腔病学会雑誌, 45, 585-606.
- Kroopnick, P. M. (1985) The distribution of ^{14}C of ΣCO_2 in the world oceans. *Deep Sea Res.*, 32, 57-84.
- 久保純子 (1997) 相模川下流平野の埋没段丘からみた酸素同位体ステージ 5a 以降の海水準変化と地形発達。第四紀研究, 36, 147-163.
- Kühn, H. (1976) *Geschichte der Vorgeschichtsforschung*. 1048p., Walter de Gruyter.
- Kukla, G. J. (1975) Loess stratigraphy of central Europe. Butzer, K. W, Isaac, G. and Liu, T. (eds.) *After the Australopithecines*, 99-188, Mouton.
- Kullenberg, B. (1947) The piston core sampler. *Svenska Hydro-Biol. Komm. Skrifter*, S. 3, Bd. 1, Hf. 2, 1-46.
- Kullenberg, B. (1955) Deep sea coring. *Report of the Swedish Deep Sea Expeditions*, 4, 35-96.
- 黒田長久 (1972) 動物地理学。124p., 共立出版。
- Kürschner, W. M., Van der Burgh, J., Visscher, H. and Dilcher, D. L. (1996) Oak leaves as biosensors of late Neogene and early Pleistocene paleoatmospheric CO_2 concentrations. *Marine Micropaleont.*, 27, 299-312.
- Kurtén, B. (1955) Sex dimorphism and size trends in the cave bear, *Ursus spelaeus* Rosenmüller and Heinroth. *Acta. Zool. Fennica*, 90, 1-48.
- Kurtén, B. (1960) Chronology and faunal evolution of the earlier European glaciations. *Comment. Biol. Soc. Sci. Fennica*, 21, 1-62.
- Kurtén, B. (1965) The Carnivora of the Palestine caves. *Acta. Zool. Fennica*, 107, 1-74.
- Kurtén, B. (1968) *Pleistocene Mammals of Europe*. 317p., Weidenfeld and Nicolson.
- Kurtén, B. (1976) *The Cave Bear Story: Life and Death of a Vanished Animal*. 163p., Columbia Univ. Press.
- Kurtén, B. (1986) Pleistocene mammals in Europe. *Striae*, 24, 47-49.
- Kurtén, B. and Anderson, E. (1980) *Pleistocene Mammals of North America*. 443p., Columbia Univ. Press.
- Kutzbach, J. E., Gallimore, R., Harrison, S.P., Behling, P., Selin, R. and Laarif, F. (1998) Climate and biome simulations for the past 21,000 years. *Quat. Sci. Rev.*, 17, 473-506.
- Kutzbach, J. E., Guetter, P. J., Behling, P. J. and Selin, R. (1993) Simulated climatic changes: results of the COHMAP climate-model experiments. Wright, H. E. et al. (ed.) *Global Climate Since the Last Glacial Maximum*, 24-93, Univ. Minnesota Press.

- Kutzbach, J. E. and Wright, Jr. H. E. (1985) Simulation of the climate of 18,000 years BP. Results for the Northern American / North Atlantic / European sector and comparison with the geologic record of North America. *Quat. Sci. Rev.*, 4, 147-187.
- 桑田 晃 (1989) 局地的湧昇域における珪藻の休眠胞子形成. 月刊海洋, 21, 588-592.
- 久馬一剛編 (1997) 最新土壌学. 216p., 朝倉書店.
- Labeyrie, L., Cole, J., Alverson, K. and Stocker, T. (2002) The history of climate dynamics in the late Quaternary. Alverson, K. et al. (eds.) *Paleoclimate, Global Change and the Future*, 33-61, Springer.
- Ladizinsky, G. (1998) *Plant Evolution under Domestication* [藤巻 宏訳 (2000) 栽培植物の進化. 298p., 農文協].
- Lagerbäck, R. (1994) Evidence of early Holocene earthquakes in northern Fennoscandia. *Proceedings of the workshop on paleoseismology. USGS Open-file Report*, 94-568, 105-107.
- Lagerheim, G. (1902) Metoder för pollenundersökning. *Bot. Notis.*, 75-78.
- Lamb, H. H. (1970) Volcanic dust in the atmosphere. *Phil. Trans. Roy. Soc.*, A, 266, 425-533.
- Lambeck, K. (1988) *Geophysical Geodesy*. Clarendon Press.
- Larcher, W. (1994) *Ökophysiologie der Pflanzen*. Eugen Ulmer GmbH & Co. [佐伯敏郎監訳, 植物生態生理学. 375p., シェブリンガーフェアラーク].
- Le Pichon, X. (1968) Sea-Floor spreading and continental drift. *Jour. Geophys. Res.*, 73, 3661-3697.
- Lea, D. W. and Boyle, E. A. (1989) Barium content of benthic foraminifera. *Nature*, 338, 751-753.
- Lea, D. W. and Boyle, E. A. (1990) A 210,000-year record of barium variability in the deep northwest Atlantic Ocean. *Nature*, 347, 269-272.
- Leakey, L. S. B. (1961) New finds at Olduvai Gorge. *Nature*, 189, 649-650.
- Leakey, L. S. B., Evernden, J. F., and Curtis, G. H. (1961) Age of Bed I, Olduvai Gorge, Tanganyika. *Nature*, 191, 478-479.
- Leakey, M. D. and Hay, R. L. (1979) Pliocene footprints in the Laetoli Beds at Laetoli, northern Tanzania. *Nature*, 278, 317-323.
- Legrand, M., Feniet-Saigne, C., Saltzman, E. S., Germain, C., Barkov, N. I. and Petrov, V. N. (1991) Ice-core record of oceanic emissions of dimethylsulphide during the last climate cycle. *Nature*, 350, 144-146.
- Legrand, M., Lorius, C., Barkov, N. I. and Petrov, V. N. (1988) Atmospheric chemistry changes over the last climatic cycle (160,000 years) from Antarctic ice. *Atmospheric Environment*, 22, 317-331.
- Lehmann, U. (1954) Die Fauna des 'Vogelherds' bei Stetten ob Lontal (Württemberg). *Neues Jahrbuch Geol. Paläont. Abh.*, 99, 33-146.
- Leroi-Gourhan, A. (1964-1965) *Le Geste et la Parole*, 2 vol. Albin Michel [A. ルロワ=グーラン著, 荒木 亨訳 (1973) 身ぶりと言葉. 413p., 新潮社].
- Leuenberger, M., Siegenthaler, U. and Langway, C. C. (1992) Carbon isotope composition of atmospheric CO₂ during the last ice age from an Antarctic ice core. *Nature*, 357, 488-490.
- Leverett, F. (1898) The weathered zone (Sangamon) between the Iowan loess and the Illinoian till sheet. *Jour. Geol.*, 6, 171-181.
- Levin, R. (1993) *Human Evolution: An Illustrated Introduction* (3rd ed.). 208p., Blackwell Scientific Pub.
- Libby, W. F. (1952) *Radiocarbon Dating*. 124p., Univ. Chicago Press.
- Libby, W. F. (1955) *Radiocarbon Dating* (2nd ed.). Univ. Chicago Press, Chicago.
- Libby, W. F. (1961) Radiocarbon dating. *Science*, 133, 621-627.
- Liden, R. (1913) *Geokronologiska studier over det finiglaciala skedet i Angermanland*. Sveriges Geologiska Undersökning, Series Ca 9, 39p.
- Lisowski, M., Savage, J. C. and Prescott, W. H. (1991) The velocity field along the San Andreas fault in central and southern California. *Jour. Geophys. Res.*, 96, 8369-8389.
- Lister, A. (1994) Evolution and taxonomy of Eurasian mammoths. Shoshani, J. and Tassy, P. (eds.) *The Proboscidea: Evolution and Palaeoecology of Elephants and Their Relatives*, 203-213, Oxford Univ. Press.
- Lister, A. and Bahn, P. (1994) *Mammoths*. 168p., Macmillan.
- Lister, G. S., Etheridge, M. A. and Symonds, P. A. (1986) Detachment faulting and the evolution of passive continental margins. *Geology*, 14, 246-250.
- Lithgoe-Berteloin, C. and Richards, M. A. (1995) Cenozoic plate driving forces. *Geophys. Res. Lett.*, 22, 1317-1320.
- Livingston, I. and Warren, A. (1996) *Aeolian Geomorphology*. 211p., Longman.
- Lotter, A. F., Ammann, B., Beer, J., Hajdas, I. and Sturm, M. (1992) A step towards an absolute time-scale for the Late Glacial: annually laminated sediments from the Soppensee (Switzerland). Bard, E. and Brocker, W. S. (eds.) *The Last Deglaciation: Absolute and Radiocarbon Chronologies*. NATO ASI Series, Series 1, Global Environmental Change, 2, 45-68, Springer Verlag.
- Lowe, D. (1990) Tephra studies in New Zealand: an historical review. *Jour. Royal Soc. New Zealand*, 20, 119-150.
- Lowe, J. J. and Walker, M. J. C. (1997) *Reconstructing Quaternary Environments* (2nd ed.). 446p., Longman, Essex.
- Ložek, V. (1965) Das Problem der Lößbildung und die Lößmollusken. *Eiszeitalter und Gegenwart*, 16, 61-75.
- Lubbock, J. (1865) *Prehistoric Times as Illustrated by Ancient Remains and the Manners and Customs of Modern Savages* (7th ed.). 623p., London.
- Ludlem, S. (1979) Rhythmic deposition in lakes in the NE USA. Schlucher, C. (ed.) *Moraines and varves: origin, genesis, classification*. Proc. INQUA symp. genesis lithology Quaternary deposits, Zurich, 295-302, A. A. Balkema.
- Lundelius, E. L. Jr., Downs, T., Lindsay, E. H., Semken, H. A., Zakrzewski R. J., Churchill, C. S., Harington, C. R., Schultz, G. E. and Webb, S. D. (1987) The North American Quaternary Sequence. Woodburne, M. O. (ed.) *Cenozoic Mammals of North America: Geochronology and Biostratigraphy*, 211-235, Univ. California Press.
- Lundelius, E. L. Jr., Graham, R. W., Anderson, E., Guilday, J., Holman, J. A., Steadman, D. W. and Webb, S. D. (1983) Terrestrial vertebrate faunas. Porter, S. C. (ed.) *Late-Quaternary Environments of the United States, Vol. 1: The Late Pleistocene*, 311-353, Univ. Minnesota Press.
- Lyell, Ch. (1834) Observation on the loamy deposit called 'loess' in the valley of the Rhine. *Geol. Soc. London Proc.*, 2, 83-85.
- Lyman, R. L. (1994) *Vertebrate Taphonomy*. 550p., Cambridge Univ. Press.
- Mabbutt, J. A. (1977) *Desert Landforms*. 340p., Australian National Univ. Press.
- Macdonald, K. C. (1982) Mid-ocean ridges: Fine scale tectonic, volcanic and hydrothermal processes within the plate boundary zone. *Ann. Rev. Earth Planet. Sci.*, 10, 155-190.
- Machida, H. (1975) Pleistocene sea-level of south Kanto,

- Japan, analysed by tephrochronology. Suggate, R. P. and Cresswell, M. M. (eds.) *Quaternary Studies*, 215-222, The Royal Society of New Zealand.
- 町田 洋 (1976) アンデスで気候段丘を考える. 地理, 21, 56-65.
- 町田 洋 (1977) チリ湖沼地帯とニュージーランドの第四紀研究—とくに日本の研究と関連の深い諸問題について—. 第四紀研究, 15, 156-167.
- 町田 洋 (1980) 第四紀の火山活動の変動と気候. 気象研究ノート, 140, 51-70.
- Machida, H. (1981) Tephrochronology and Quaternary Studies in Japan. Self, S. and Sparks, R. S. J. (eds.) *Tephra Studies*, 161-191, D. Reidel.
- 町田 洋 (1993) 火山噴火と渤海の衰亡. 中西 進・安田喜憲 (編) 「謎の王国・渤海」: 104-129, 角川書店.
- 町田 洋 (1997) 世界の火山地形—特に大規模火山を対象に. 貝塚爽平編 「世界の地形」: 59-75, 東京大学出版会.
- Machida, H. (1999) Quaternary widespread tephra catalog in and around Japan: recent progress. *Quat. Res. Japan*, 38, 194-201.
- Machida, H. (2002a) Quaternary Volcanoes and Widespread Tephra of the World. *Global Environmental Res.*, 6, 3-17.
- Machida, H. (2002b) Volcanoes and Tephra in the Japan Area. *Global Environmental Res.*, 6, 19-28.
- 町田 洋, 新井房夫 (1976) 広域に分布する火山灰—始良Tn火山灰の発見とその意義. 科学, 46, 339-347.
- 町田 洋・新井房夫 (1992) 火山灰アトラス. 276p., 東京大学出版会.
- 町田 洋・新井房夫・村田明美・袴田和夫 (1974) 南関東における第四紀中期のテフラの対比とそれに基づく編年. 地学雑誌, 83, 22-58.
- 町田 洋, 新井房夫, 杉原重夫 (1980) 南関東と近畿の中部更新統の対比と編年—テフラによる一つの試み—. 第四紀研究, 19, 233-261.
- 町田 洋・新井房夫・横山卓雄 (1991) 琵琶湖200 mコアにおける指標テフラ層の再検討. 第四紀研究, 30, 439-442.
- 町田 洋・小島圭二編 (1996) 自然の猛威 (新版). 258p., 岩波書店.
- Maclaren, C. (1841) *The Glacial Theory of Professor Agassiz of Neuchatel*. 62p., The Scotsman Office [reprinted (1942) *Amer. Jour. Sci.*, 42, 346-365].
- 前空英明 (1988) 室戸半島の完新世地殻変動. 地理学評論, 61A, 747-769.
- Maglio, V. J. (1973) Origin and evolution of the Elephantidae. *Trans. Amer. Phil. Soc.*, New Ser., 63, 11-149.
- 牧野富太郎 (1978) 学名解説. 前川文夫, 原 寛, 津山 尚 (改訂編集). 「牧野新日本植物図鑑第34版」: 付録1-77, 北隆館.
- 真鍋淑郎 (1985) 二酸化炭素と気候変化. 科学, 55, 84-92 [再録, 内嶋善兵衛編 (1990) 地球環境の危機. 65-73, 岩波書店].
- Manabe, S. and Broccoli, A. J. (1985) The influence of continental ice sheets on the climate of an ice age. *Jour. Geophys. Res.*, 90, 2167-2190.
- Mania, D. (1995) The influence of Quaternary climatic development on the Central European mollusc fauna. *Acta Zool. Cracov.*, 38, 17-34.
- Mankinen, E. A. and Dalrymple, G. B. (1979) Revised geomagnetic polarity time scale for the interval 0~5M.y.B.P. *Jour. Geophys. Res.*, 84, 615-626.
- Margulis, L. (1981) *Symbiosis in Cell Evolution*. 419p., Freeman.
- Margulis, L. and Schwartz, K. V. (1982) Five kingdoms, an illustrated guide to the phyla of life on earth. W. H. Freeman and Co. [川島誠一郎・根平邦人訳 (1987) 図説・生物界ガイド 五つの王国. 365p., 日経サイエンス].
- Marino, B. D., McElroy, M. B., Salawitch, R. J., and Spaulding, W. G. (1992) Glacial-to-interglacial variations in the carbon isotopic composition of atmospheric CO₂. *Nature*, 357, 461-465.
- Martin, L. D. and Neuner, A. M. (1978) The end of the Pleistocene in North America. *Trans. Nebraska Acad. Sci.*, 6, 117-126.
- Martin, P. S. (1966) Africa and Pleistocene overkill. *Nature*, 212, 339-342.
- Martin, P. S. (1967) Prehistoric overkill. Martin, P. S. and Wright, H. E. Jr. (eds.) *Pleistocene Extinctions: The Search for a Cause*, 75-120, Yale Univ. Press.
- Martin, P. S. (1973) The discovery of America. *Science*, 179, 969-974.
- Martin, P. S. (1984a) Catastrophic extinctions and Late Pleistocene blitzkrieg: Two radiocarbon tests. Nitecki, M. H. (ed.) *Extinctions*, 153-189, Univ. Chicago Press.
- Martin, P. S. (1984b) Prehistoric overkill: The global model. Martin P. S. and Klein, R. G. (eds.) *Quaternary Extinctions: A Prehistoric Revolution*, 354-403, Univ. Arizona Press.
- Martin, P. S. (1986) Refuting Late Pleistocene extinction models. Elliott, D. K. (ed.) *Dynamics of Extinction*, 107-130, John Wiley & Sons.
- Martin, P. S. and Klein, R. G. (eds.) (1984) *Quaternary Extinctions: A Prehistoric Revolution*. 892p., Univ. Arizona Press.
- Martin, P. S. and Wright, H. E. Jr. (eds.) (1976) *Pleistocene Extinctions: The Search for a Cause*. 453p., Yale Univ. Press.
- Martinson, D. G., Pisias, N. G., Hays, J., D., Imbrie, J., Moore, T. C. and Shackleton, N. J. (1987) Age dating and the orbital theory of the ice ages: development of a high resolution 0-300,000 year chronostratigraphy. *Quat. Res.*, 27, 1-29.
- Maruyama, S. (1994) Plume tectonics. *Jour. Geol. Soc. Japan*, 100, 24-49.
- 丸山茂徳 (1997) 全地球ダイナミクス. 科学, 67, 498-506.
- 丸山茂徳・磯崎行雄 (1998) 生命と地球の歴史. 岩波新書, 岩波書店.
- Maruyama, T. (1963) On the force equivalences of dynamical elastic dislocations with reference to the earthquake mechanisms. *Bull. Earthq. Res. Inst.*, 41, 467-486.
- Mason, I. L. (ed.) (1984) *Evolution of Domesticated Animals*. 452p., Longman.
- 増田富士雄 (1993) リズミカルな地球の変動. 137p., 岩波書店.
- 増田富士雄 (1996) 地質時代の気候変動. 岩波講座地球惑星科学11 気候変動論, 157-219, 岩波書店.
- 増田耕一 (1993) 氷期・間氷期サイクルと地球の軌道要素. 気象研究ノート, 177, 223-248.
- 増田耕一 (2000) 講座 地球科学 (VI) 大気圏 (2) —大気のエネルギー. 日本エネルギー学会誌, 79, 338-347.
- 増田耕一・阿部彩子 (1996) 第四紀の気候変動. 住 明正ほか著 「岩波講座地球惑星科学11」: 103-156, 岩波書店.
- 増田耕一・田辺清人 (1994) 温暖化. 環境情報科学センター編 「図説環境科学」: 96-101, 朝倉書店.
- Masuzawa, T. (1987) Early diagenesis in deepsea sediments of the Japan Sea; Type, controlling factor, and diffusive flux. *Jour. Earth Sci., Nagoya Univ.*, 35, 249-267.
- 増澤敏行 (1997) 海洋堆積物系の化学. 海洋科学研究, 10, 104-152.
- 松田時彦 (1982) 安定大陸に生じた地震断層—西オーストラ

- リアのメッケリング地震一. 科学, 52, 136-144.
- 松田時彦・岡田篤正 (1968) 活断層. 第四紀研究, 7, 188-199.
- 松田時彦・山崎晴雄・中田 高・今泉俊文 (1980) 1896年陸羽地震の地震断層. 地震研報, 55, 795-855.
- 松井 章 (1993) 日本の食犬文化一塗り替えられる歴史像. 週刊朝日百科, 12/12 動物達の地球 128, 244-245.
- 松井 健 (1988) 土壤地理学序説. 316p., 築地書館.
- 松井 健 (1989) 土壤地理学特論. 203p., 築地書館.
- Matsumoto, A. and Kobayashi, T. (1995) K-Ar age determination of late Quaternary volcanic rocks using the mass fractionation correction procedure: application to the Younger Ontake Volcano, central Japan. *Chem. Geology*, 125, 123-135.
- Matsumoto, I., Uto, K. and Shibata, K. (1989) K-Ar dating by peak comparison method—New technique applicable to rocks younger than 0.5Ma—. *Bull. Geol. Surv. Japan*, 40, 565-579.
- 松野太郎 (1982) 大気の大循環. 高橋浩一郎, 山下 洋, 土屋 清, 中村和郎編「衛星でみる日本の気象」: 120-132, 岩波書店.
- Matsuoka, H. (1990) A new method to evaluate dissolution of CaCO_3 in the deep-sea sediments. *Trans. Proc. Palaeont. Soc. Japan*, N. S., 157, 430-434.
- 松島義章 (1984) 日本列島における後氷期の浅海性貝類群集—特に環境変遷に伴うその時間・空間的変遷—. 神奈川県立博物館研究報告 (自然科学), 15, 37-109.
- 松島義章 (1996) 完新世における日本列島沿岸域の海況変遷—温暖種の消長からみた約7500年前以降の黒潮の動き. 小池一之・太田陽子 (編)「変化する日本の海岸—最終間氷期から現在まで」: 22-41, 古今書院.
- 松浦秀治 (1997) ヒト. 「人類学用語事典」: 226, 雄山閣.
- Matthews, R. K. (1969) Tectonic implications of glacio-eustatic sea level fluctuations. *Earth Planet. Sci. Lett.*, 5, 459-462.
- Matuyama, M. (1929) On the direction of magnetisation of basalt in Japan, Tyosen and Manchuria. *Imp. Acad. Japan Proc.*, 5, 203-205.
- Mayewski, P. A., Meeker, L. D., Whitlow, S., Twickler, M. S., Morrison, M. C., Alley, R. B., Bloomfield, P. and Taylor, K. (1993) The atmosphere during the Younger Dryas. *Science*, 261, 195-197.
- Mayewski, P. A., Meeker, L. D., Whitlow, S., Twickler, M. S., Morrison, M. C., Bloomfield, P., Bond, G. C., Alley, R. B., Gow, A. J., Grootes, P. M., Meese, D. A., Ram, M., Taylor, K. C. and Wumkes, W. (1994) Changes in atmospheric circulation and ocean ice cover over the North Atlantic during the last 41,000 years. *Science*, 263, 1747-1751.
- McConnaughey, T. (1989) ^{13}C and ^{18}O isotopic disequilibrium in biological carbonates: II. In vitro simulation of kinetic isotope effects. *Geochim. Cosmochim. Acta.*, 53, 163-171.
- McCorkle, D. C., Martin, P. A., Lea, D. W. and Klinkhammer, G. P. (1995) Evidence of a dissolution effect on benthic foraminiferal shell chemistry: C, Cd/Ca, Ba/Ca, and Sr/Ca results from the Ontong Java Plateau. *Paleoceanography*, 10, 699-714.
- McCulloch, M. T., Gagan, M. K., Mortimer, G. E., Chivas, A. R. and Isdale, P. J. (1994) A high-resolution Sr/Ca and $\delta^{18}\text{O}$ coral record from the Great Barrier Reef, Australia, and the 1982-1983 El Nino. *Geochim. Cosmochim. Acta.*, 58, 2747-2754.
- McIntyre, A. and Riddiman, W. F. (1972) North-east Atlantic post-Eemian palaeoceanography, a predictive analog for the future. *Quat. Res.*, 2, 350-354.
- McKenzie, D. P. and Parker, R. L. (1967) The North Pacific: an example of tectonics on a sphere. *Nature*, 216, 1276-1280.
- McKenna, M. C. and Bell, S. K. (1997) *Classification of Mammals above the Species Level*. 631p., Columbia Univ. Press.
- McManus, J., Berelson, W. M., Hammond, D. E. and Klinkhammer, G. P. (1999) Barium cycling in the North Pacific: Implications for the utility of Ba as a paleoproductivity and paleoalkalinity proxy. *Paleoceanography*, 14, 531-61.
- Mead, J. I., Agenbroad, L. D., Davis, O. K. and Martin, P. S. (1986) Dung of *Mammuthus* in the Arid Southwest, North America. *Quat. Res.*, 25, 121-127.
- Mein, P. (1975) Résultats du groupe de travail des vertébrés. Senes, J. (ed.) *Report on Activity of the RCMNS Working Groups (1971-1975)*, IUGS, Regional Committee on Mediterranean Neogene Stratigraphy, 78-81.
- Mein, P. (1981) Mammal zonation: Introduction. *Ann. Géol. Pays Hellén*, H. S., 4, 83-88.
- Mein, P. (1989) Updating of MN zones. Lindsay, E. H., Fahlbusch, V., and Mein, P. (eds.) *European Neogene Mammal Chronology*, 73-90, Plenum Press.
- Meltzer, D. J. and Mead, J. I. (1985) Dating Late Pleistocene extinctions: Theoretical issues, analytical bias, and substantive results. Mead J. I. and Meltzer, D. J. (eds.) *Environments and Extinctions: Man in Late Glacial North America*, 145-173, Center for the Study of Early Man, Univ. Maine at Orono.
- Mercer, J. H. (1976) Glacial history of southernmost South America. *Quat. Res.*, 6, 125-166.
- Merrill, R. T. and McElhinny, H. W. (1983) *The Earth's Magnetic Field*. 401p., Academic Press.
- Mesolella, K. G., Matthews, R. K., Broecker, W. S. and Thurber, D. L. (1969) The astronomical theory of climatic change: Barbados data. *Jour. Geol.*, 77, 250-274.
- Mickelson, D. M., Clayton, L., Fullerton, D. S. and Borns, H. Jr. (1983) The Late Wisconsin glacial record of the Laurentide ice sheet in the United States. Porter, S. C. (ed.) *Late Quaternary Environments of the United States, Volume 1, The Late Pleistocene*, 3-32, Longman.
- 三上岳彦編 (1998) 過去2000年間の気候変動とその要因. 気象研究ノート, 191, 169p., 日本気象学会.
- Miki, S. (1941) On the change of flora in Eastern Asia since Tertiary Period (1). The clay or lignite beds flora in Japan with special reference to the *Pinus trifolia* beds in Central Hondo. *Japan Jour. Bot.*, 11, 237-303.
- 三木 茂 (1948) 鮮新世以来の近畿並びに近接地帯の遺体フロラに就いて. 鉱物と地質, 2, 105-144.
- Milankovitch, M. (1920) *Theorie Mathématique des Phenomenes Termiques Produits per la Radiation Solaire*. Gauthier-Villars.
- Milankovitch, M. (1930) Mathematische Klimalehre und astronomische Theorie der Klimaschwankungen. Köppen, W. and Geiger, R. (eds.) *Handbuch der Klimatologie*. Band 1, Teil A, 176p., Gebruder Borntraeger.
- Milankovitch, M. (1936) *Durch Ferne Welten und Zeiten*. Koehler und Amalng.
- Milankovitch, M. (1938) Astronomische Mittel zur Erforschung der erdgeschichtlichen Klimate. *Handbuch der Geophysik*, 9, 593-698.
- Milankovitch, M. (1941) Kanon der Erdbestrahlung und seine Anwendung auf das Eiszeitenproblem. *Royal Serb. Acad. Spec. Publ.*, 133, Belgrade, 1-633 [English translation (1969)].
- Milankovitch, M. (1957) Astronomische Theorie der Klimaschwankungen ihr Werdegang und Widerhall. *Serb.*

- Acad. Sci., Monogr.*, 280, 1158.
- Miller, K. G., Fairbanks, R.G. and Mountain, G.S. (1987) Tertiary oxygen isotope synthesis, sealevel history, and continental margin erosion. *Paleoceanography*, 2, 1-19.
- Miller, K. G., Wright, D. J. and Fairbanks, R. G. (1991) Unlocking the ice house: Oligocene-Miocene oxygen isotopes, eustasy and margin erosion. *Jour. Geophys. Res.*, 96, 6829-6848.
- Millero, F. J. (1996) *Chemical Oceanography* (2nd ed.). 469p., CRC Press.
- 南川雅男 (2001) 炭素・窒素同位体分析により復元した先史日本人の食生態. 国立歴史民俗博物館報, 86, 333-357.
- Mitsuguchi, T., Matsumoto, E., Abe, O., Uchida, T. and Isdale, P. J. (1996) Mg/Ca thermometry in coral skeletons. *Science*, 274, 961-963.
- 宮地直道 (1987) 日本の埋没林研究に向けて. 植生史研究, 2, 3-12.
- 溝田智俊・松久幸敬 (1984) 風成塵—KH-79-3, C-3 コアの解析を中心にして. 月刊地球, 6, 553-557.
- Molnar, P. and England, P. (1990) Late Cenozoic uplift of mountain ranges and global climatic change: Chicken or egg? *Nature*, 346, 29-34.
- Momohara, A. (1994) Floral and paleoenvironmental history from the late Pliocene to middle Pleistocene in and around central Japan. *Palaeoogeogr. Palaeoclimatol. Palaeoecol.* 108, 281-293.
- 百原 新 (1994) メタセコイアの繁栄と衰退. 日経サイエンス 8月号, 32-38.
- 百原 新 (1995a) 第三紀以降の東アジアの植物地理: 要旨. 植生史研究, 3, 89-90.
- 百原 新 (1995b) スギ科植物の変遷—絶滅と生き残りの歴史. 遺伝, 49, 61-66.
- 百原 新 (1996) 第四紀の日本列島地形形成と植物の絶滅・進化. 関東平野, 4, 29-36.
- 百原 新 (2002) 東アジアの第四紀植物地理変遷とカトマンズ盆地ボーリングコアの植物化石, 月刊地球, 24, 332-338.
- 百原 新・南木陸彦 (1988) 大型植物化石群集のタフオノミー. 植生史研究, 3, 13-23.
- 百原 新・吉川昌伸 (1977) 蛇行河川内での大型植物化石群の堆積過程. 植生史研究, 5, 15-27.
- Montelius, O. (1903) *Die Methode: Die älteren Kulturperioden im Orient und in Europa*. Band I [浜田耕作訳 (1932) 考古学研究法. 雄山閣出版, 復刊1999].
- Mook, W. G. (1986) Recommendations / resolutions adopted by the Twelfth International Radiocarbon Conference. *Radiocarbon*, 28, 2A, 799.
- Moore, E. D. and Twiss, R. J. (1995) *Tectonics*. 415p., Freeman.
- Morgan, A. V., Morgan, A., Ashworth, A. C. and Matthews, J. V., Jr. (1983) Late Wisconsin fossil beetles in North America. Porter, S. C. (ed.) *Late-Quaternary Environments of the United States Vol. 1. The Late Pleistocene*, 354-363, Univ. Minnesota Press.
- Morgan, W. J. (1968) Rises, trenches, great faults and crustal blocks. *Jour. Geophys. Res.*, 73, 1959-1982.
- 森 勇一 (1994) 昆虫化石による先史～歴史時代における古環境の変遷の復元. 第四紀研究, 33, 331-349.
- Mörner, N. A. (1980) Eustasy and geoid changes as a function of core/mantle changes. *Earth Rheology, Isostasy and Eustasy*, 535-553, John Wiley.
- Mörner, N.-S. (1976) Eustasy and geoid changes. *Jour. Geol.*, 84, 123-151.
- Mortillet, G. de, (1869) *Essai d'une classification des cavernes et des stations abri, fondée sur les produits de l'industrie humaine*. *C. R. Acad. Sci.*, 68, 553-555.
- Mortlock, R. A., Charles, C. D., Froelich, P. N., Zibello, M. A., Saltzman, J., Hays, J. D. and Burckle, L. H. (1991) Evidence for lower productivity in the Antarctic Ocean during the last glaciation. *Nature*, 351, 220-223.
- Mosimann, J. E. and Martin, P. S. (1975) Simulating overkill by Paleoindians. *Amer. Sci.*, 63, 304-313.
- 本山 功・丸山俊明 (1998) 中・高緯度北西太平洋地域における新第三紀珪藻・放射虫化石年代尺度: 地磁気極性年代尺度CK92およびCK95への適合. 地質学雑誌, 104, 171-183.
- Müller, P. J. and Suess, E. (1979) Productivity, sedimentation rate, and sedimentary organic matter in the oceans, 1. Organic carbon preservation. *Deep Sea Res., Part A*, 26, 1347-1362.
- Müller-Beck (Hrsg.) (1983) *Urgeschichte in Baden Württemberg*. 564p., Konrad Theiss Verlag.
- Munthe, H. (1910) Studies in the Late-Quaternary history of southern Sweden. *Geol. fören. i Stockholm förhandlingar*, 32, 1197-1293, pls. 46-49.
- Murray, R. W., Leinen, M. and Isern, A. R. (1993) Biogenic flux of Al to sediment in the central equatorial Pacific ocean: Evidence for increased productivity during glacial episodes. *Paleoceanography*, 8, 651-670.
- Murray-Wallace, C.V. and Belperio, A.P. (1991) The last interglacial shoreline in Australia: a review. *Quat. Sci. Rev.*, 10, 441-462.
- Nakada, M. and Yokose, H. (1992) Ice age as a trigger of active Quaternary volcanism and tectonism. *Tectonophysics*, 212, 321-329.
- 中村和郎・木村竜治・内嶋善兵衛 (1986) 日本の気候. 292p., 岩波書店.
- 中村俊夫 (1995) 加速器質量分析 (AMS) 法による¹⁴C年代測定の高精度化および正確度向上の検討. 第四紀研究, 34, 171-183.
- 中西弘樹 (1994) 種子ひろがる. 種子散布の生態学. 255p., 平凡社.
- 中田 高・島崎邦彦・鈴木康弘・佃 栄吉 (1998) 活断層はどこから割れ始めるのか?—活断層の分岐形態と破壊伝播方向—. 地学雑誌, 107, 512-528.
- 中塚 武 (1997) 海洋堆積物の窒素同位体比に関する研究—窒素同位体比による海洋表層環境の復元—. 海の研究, 6, 383-397.
- 中嶋 健・石原丈実・山崎俊口・上嶋正人 (1993) 帯磁率自動測定システムの開発とCH92航海の帯磁率. 工業技術院地質調査所, 平成4年度研究概要報告書 日本海中部東縁部大陸棚周辺海域の海洋地質学的研究, 189-202.
- 中山至大・井之口希秀・南谷忠志 (2000) 日本植物種子図鑑. 642p., 東北大学出版会.
- 南木陸彦 (1989) 第四紀植物化石の進化研究上の重要性. 流通科学大学論集—人文・自然編, 2, 65-85.
- 南木陸彦 (1994) 縄文時代以降のクリ (*Castanea crenata* Sieb. et Zucc.) 果実の大型化. 植生史研究, 2, 3-10.
- 直良信夫 (1956) 日本古代農業発達史. 317p., さ・え・ら書房.
- 直良信夫 (1968) ものと人間文化史2・狩猟. 260p., 法政大学出版局.
- 奈良国立文化財研究所 (1990) 年輪に歴史を読む—日本における古年輪学の成立—. 195p., 同朋舎.
- 成瀬 洋 (1982) 第四紀. 岩波書店.
- 成瀬敏郎 (1995) 風成塵が記録する気候変動と文明. 安田喜憲・小泉 格編「講座文明と環境」第1巻: 145-154, 朝倉書店.

- 成瀬敏郎 (1998) 日本における最終氷期の風成塵堆積とモンスーン変動. 第四紀研究, 37, 189-197.
- 成瀬敏郎・鹿島 薫 (1999) トウズ湖南岸, アクサライ平野の地形発達. アナトリア考古学研究, 8, 251-262.
- 那須孝梯 (1970) 第四紀の日本列島生物相. 生物科学, 24, 1-10.
- Netolitzky, F. (1926) *Anatomie der Angiospermen Samen. Handbuch der Pflanzenanatomie*, vol. 10, 364p., Gebruder Borntraeger.
- Newnham, P. M. and Lowe, D.J. (2000) Fine-resolution pollen record of late-glacial climate reversal from New Zealand. *Geology*, 28, 759-762.
- Newnham, P. M., Lowe, D. J. and Williams, P. W. (1999) Quaternary environmental change in New Zealand: a review. *Prog. Phys. Geogr.*, 23, 567-610.
- Nicholson, S. E. and Flohn, H. (1980) African environmental and climatic changes and the general atmospheric circulation in the late Pleistocene and Holocene. *Climatic Changes*, 2, 313-348.
- 日本第四紀学会編 (1977) 日本の第四紀研究. 東京大学出版会.
- 日本第四紀学会 (1987) 百年, 千年, 万年後の日本の自然と人類. 古今書院.
- 日本第四紀学会編 (1993) 第四紀試料分析法2 研究対象別分析法. 553p., 東京大学出版会.
- 日本第四紀学会編 (1995) 高精度年代測定と第四紀研究, 第四紀研究, 特集号, 34, 125-278.
- 新妻信明 (1991) 丹沢の衝突. 神奈川県立博物館編「南の海からきた丹沢—プレートテクトニクスの不思議」: 38-66, 有隣堂.
- Ninkovich, D. and Shackleton, N. J. (1975) Distribution, stratigraphic position and age of ash layer "L", in the Panama Basin region. *Earth Planet. Sci. Lett.*, 27, 20-34.
- Ninkovitch, D., Sparks, R. S. J. and Ledbetter, M. J. (1978) The exceptional magnitude and intensity of the Toba eruption, Sumatra: an example of the use of deep-sea tephra layers as a geological tool. *Bull. Volcanol.*, 41, 286-298.
- Nirei, H. (1975) A classification of fossil walnuts from Japan. *Jour. Geosci. Osaka City Univ.*, 19, 31-63.
- 西田正規 (1980) 縄文時代の食糧資源と生業活動—鳥浜貝塚の自然遺物を中心として—. 季刊人類学, 11, 3-41.
- 西田利貞 (1997) ボノボ. 「人類学用語事典」: 253, 雄山閣.
- 西本豊弘 (1991) 弥生時代のブタについて. 国立歴史民俗博物館研究報告, 36, 175-194.
- 西村 昭・池原 研・井岡 昇・山崎俊嗣 (1993) 西カリリン海盆の堆積史と海洋大循環. 月刊海洋, 276, 350-355.
- 野手啓行・沖津 進・百原 新 (1998) 日本のトウヒ属バラモミ節樹木の現在の分布と最終氷期以降の分布変遷. 植生史研究, 6, 3-13.
- Norman, D., Burton, R., Thompson, S. and Lowther, K. E. (1976) *Purnell's Find out about Prehistoric Animals*. 224p., Purnell & Sons Ltd.
- North American Commission on Stratigraphic Nomenclature (1983) North American stratigraphic code. *Amer. Assoc. Petroleum Geol. Bull.*, 67, 841-875.
- 野尻湖昆虫グループ (1987) 第9次野尻湖発掘および第4回陸上発掘で産出した昆虫化石. 地団研専報, (32), 117-136.
- 野尻湖昆虫グループ編 (1988) 昆虫化石ハンドブック. 126p., ニュー・サイエンス社.
- 野尻湖発掘調査団 (1997) 最終氷期の自然と人類. 229p., 共立出版.
- 野尻湖発掘調査団跡古環境班 (1992) 上部更新統の野尻湖層で発見されたナウマンゾウの足跡化石. 地球科学, 46, 385-404.
- Nurnberg, D., Muller, A. and Schneider, R. R. (2000) Paleo-sea surface temperature calculations in the equatorial east Atlantic from Mg/Ca ratios in planktonic foraminifera: A comparison to sea surface temperature estimations from Uk37, oxygen isotopes, and foraminiferal transfer function. *Paleoceanography*, 15, 124-134.
- Oakley, K. P. (1972) *Man the Tool-maker*. 101p., British Museum (Natural History).
- 大場忠道 (1983) 海底コアの研究における一定容量サンプリングの重要性. 化石, 34, 33-40.
- Oba, T. (1990) *Paleoceanographic information obtained by the isotopic measurement of individual foraminiferal specimens*. Proceeding of the Frist International Conference on Asian Marine Geology, Shanghai, September 7-10, 1988, 169-180, China Ocean Press.
- 大場忠道 (1991) 酸素同位体比層序からみた阿蘇4テフラおよび阿多テフラ. 月刊地球, 13, 224-227.
- 大場忠道・赤坂典子 (1990) 2本のピストン・コアの有炭素量に基づく日本海の古環境変化. 第四紀研究, 29, 417-425.
- Oba, T., Kato, M., Kitazato, H., Koizumi, I., Omura, A., Sakai, T. and Takayama, T. (1991) Paleoenvironmental changes in the Japan Sea during the last 85,000 years. *Paleoceanography*, 6, 499-518.
- 大場忠道・Ku, T. L. (1977) 深海底堆積物中の炭酸塩溶解量の測定. 化石, 27, 1-14.
- Oba, T. and Pedersen, T. F. (1999) Paleoclimatic significance of eolian carbonates supplied to the Japan Sea during the last glacial maximum. *Paleoceanography*, 14, 34-41.
- 大場忠道・安田尚登 (1992) 黒潮域における最終氷期以降の環境変動. 第四紀研究, 31, 329-339.
- 小倉義光 (1999) 一般気象学 (第2版). 308p., 東京大学出版会.
- Ohno, M., Hamano, Y., Maruyama, M., Matsumoto, E., Iwakura, H., Nakamura, T. and Taira, A. (1993) Paleomagnetic record over the past 35,000 years of a sediment core from off Shikoku, southwest Japan. *Geophys. Res. Lett.*, 20, 1395-1398.
- Okada, M. and Niitsuma, N. (1989) Detailed paleomagnetic records during the Brunhes-Matuyama geomagnetic reversal, and a direct determination of depth lag for magnetization in marine sediments. *Phys. Earth Planet. Inter.*, 56, 133-150.
- 奥村晃史 (1995) ^{14}C 年代の補正と高精度化のための手法. 第四紀研究, 34, 191-194.
- Oliver, R. C. D. (1982) Ecology and behavior of living elephants: Bases for assumptions concerning the extinct woolly mammoths. Hopkins, D. M., Matthews, J. V. Jr., Schweger, C. E. and Young, S. B. (eds.) *Paleoecology of Beringia*, 291-305, Academic Press.
- 小野 昭 (1978) 分布論. 「日本考古学を学ぶ (1) 日本考古学の基礎」, 有斐閣選書: 36-47, 有斐閣.
- 小野 昭 (1995) Man the tool-maker と Pan the tool-maker の境界. 霊長類研究, 11, 239-246.
- Ono, Y., Naruse, T., Ikeya, M., Kohno, H. and Toyoda, S. (1998) Origin and derived courses of eolian dust quartz deposited during marine isotope stage 2 in East Asia, suggested by ESR signal intensity. *Global Planetary Change*, 18, 129-135.
- Ooi, N. (1993) A reconstruction of vegetation at Itai-Teragatani Site, Hyogo Prefecture, Japan, based on the spatial distribution of fossil pollen grains just below the Aira-Tn ash, about 24000 years ago. *Japan. Jour. Historical Botany*, 1, 49-57.

- Ooi, N., Minaki, M., and Noshiro, S. (1990) Vegetation changes around the Last Glacial maximum and effects of the Aira-Tn ash, at the Itai-Teragatani site, central Japan. *Ecol. Res.*, 5, 81-91.
- 太田陽子 (1989) ニューゼーランドの変動地形に関する最近の研究. 地理学評論, 62A, 636-666.
- 大泰司紀之 (1980) 遺跡出土ニホンジカの下顎骨による性別・年齢・死亡季節査定法. 考古学と自然科学, 13, 51-74.
- Opdyke, N. D., Glass, B., Hays, J. D., and Foster, J. (1966) Paleomagnetic study of Antarctic deep-sea cores. *Science*, 154, 349-357.
- Oppo, D. W. and Horowitz, M. (2000) Glacial deep water geometry: South Atlantic benthic foraminiferal Cd/Ca and ^{13}C evidence. *Paleoceanography*, 15, 147-160.
- Orbigny, A. D. (1842) *Voyage dans l'Amerique Meridionale*. 298p. Paris.
- Osborn, H. F. (1915) *Men of the Old Stone Age*. 559p., Charles Scribner's Sons.
- Osborn, H. F. (1942) *Proboscidea, Vol. II*. 872p., American Museum Press.
- Ostlund, H. G. and Stuiver, M. (1980) GEOSECS Pacific Radiocarbon. *Radiocarbon*, 22, 25-53.
- O'Sullivan, P. E. (1983) Annually laminated sediments and the study of Quaternary environmental changes-a review. *Quat. Sci. Rev.*, 1, 245-313.
- Owen, R. (1870) On fossil remains of mammals found in China. *Quart. Jour. Geol. Soc. London*, 26, 417-434, pls.27-29.
- 尾崎 博 (1960) 黒岩山の龍骨. 自然科学と博物館, 27, 8-15.
- 小澤智生 (2000) 縄文・弥生時代に豚は飼われていたか? 季刊考古学, 73, 17-22.
- Pécsi, M. (1965) Genetic classification of the deposits constituting the loess profiles of Hungary. *Acta Geol. Sci. Hungary*, 9, 65-85.
- Pécsi, M. (1995) The role of principles and methods in loess-paleosol investigation. *Geojournal*, 36, 117-131.
- Pei, W. C. (1929) An account of the discovery of an adult *Sinanthropus* Skull in Chou Kou Tien deposit. *Bull. Geol. Soc. China*, VIII-3, pp. 203-209.
- Pei, W. C. (1963) On the problem of the change of body size in Quaternary mammals. *Scientia Sinica*, 12, 231-235.
- Peixoto, J. P. and Oort, A. H. (1992) *Physics of Climate*. 520p., American Inst. Physics.
- Peltier, W. R. (1994) Ice age paleotopography. *Science*, 265, 195-201.
- Penck, A. (1882) *Die Vergletscherung der Deutschen Alpen, ihre Ursachen, Periodische Wiederkehr und ihr Einfluss auf die Bodengestaltung*. 484p., Barth.
- Penck, A. and Brückner, E. (1901/1909) *Die Apline im Eiszeitalter*. 3vols, 1199p., Leipzig Tauchnitz.
- Petit, J. R., Jouzel, J., Raynaud, D., Barkov, N. I., Barnola, J. M., Basile, I., Bender, M., Chappellaz, J., Davis, M., Delaygue, G., Delmotte, M., Kotlyakov, V. M., Legrand, M., Lipenkov, V. Y., Lorius, C., Pepin, L., Ritz, C., Saltzman, E. and Stievenard, M. (1999) Climate and atmospheric history of the past 420,000 years from the Vostok ice core, Antarctica. *Nature*, 399, 429-436.
- Pickard, G. L. and Emery, W. J. (1990) *Descriptive Physical Oceanography* (5th enlarged ed.). 320p., Butterworth-Heinemann.
- Pickering, K. T., Souter, C., Oba, T., Taira, A., Schaaf, M. and Platzman, E. (1999) Glacio-eustatic control on deep-marine clastic forearc sedimentation, Pliocene-mid-Pleistocene (c. 1180-600ka) Kazusa Group, SE Japan. *Jour. Geol. Soc. London*, 156, 125-136.
- Pillans, B., Kohn, B. P., Berger, G., Froggatt, P., Duller, G., Alloway, B. and Hesse, P. (1996) Multi-method dating comparison for mid-Pleistocene Rangitawa tephra, New Zealand. *Quat. Sci. Rev.*, 15, 641-653.
- Pillans, B. and Wright, I. (1990) 500,000-year paleomagnetic record from New Zealand loess. *Quat. Res.*, 33, 178-187.
- Pirazzoli, P. A., Radtke, U., Hantoro, W. S., Jouannic, C., Hoang, C. T., Causse, C. and Borel-Best, M. (1991) Quaternary raised coral reef terraces on Sumba island, Indonesia. *Science*, 252, 1834-1836.
- Porter, S. C. and An, Z. (1995) Correlation between climate events in the North Atlantic and China during the last glaciation. *Nature*, 375, 305-308.
- Posamentier, H. W., Jervey, M. T. and Vail, P. R. (1988) Eustatic controls on clastic deposition I—conceptual framework. Wilgus, C. K., Hastings, B. S., Kendall, C. G. St. C., Posamentier, H. W., Ross, C. A. and Van Wagonar, J. C. (eds.) *Sea-level changes: an Integrated Approach*. Spec. Publ. Soc. Econ. Paleont. Miner., 42, 109-124.
- Post, L. von (1916) *Om skogsträdspollen i Sydsvenska Torfmoss-lagerföljder*. Geologiska Föreningen i Stockholm. Förhandlingar 38, 384-390 [Davis, M. B. and Faegri, K. 英訳 (1967) Forest tree pollen in south Swedish peat bog deposit, *Pollen et Spores*, 9, 378-401].
- Potts, R. (1988) *Early Hominid Activities at Olduvai*. 396p., Aldine de Gruyter.
- Prahl, F. G., Muehlhausen, L. A. and Zahnle, D. L. (1988) Further evaluation of long-chain alkenones as indicators of paleoceanographic conditions. *Geochim. Cosmochim. Acta.*, 52, 2303-2310.
- Prentice, I. C., Cramer, W., Harrison, S. P., Leemans, R., Monserud, R. A. and Solomon, A. M. (1992) *Jour. Biogeography*, 19, 117-134.
- Purdue, J. R. (1989) Changes during the Holocene in the size of white-tailed deer (*Odocoileus virginianus*) from central Illinois. *Quat. Res.*, 32, 307-316.
- Purser, K. H. (1976) United States patent, 4037100.
- Quade, J., Cerling, T. E. and Bowman, J. R. (1989) Development of Asian monsoon revealed by marked ecological shift during the latest Miocene in northern Pakistan. *Nature*, 342, 163-166.
- Rabassa, J. (1999) *Late Cainozoic Glaciations in Southern South America*. 145p., Book of Abstracts, XV INQUA Congress.
- Radtke, U. and Grun, R. (1990) Revised reconstruction of middle and late Pleistocene sea-level changes based on new chronologic and morphologic investigations in Barbados, West Indies. *Jour. Coastal Res.*, 6, 699-708.
- Raff, A. D. and Mason, R. G. (1961) Magnetic survey off the west coast of north America, 40° N latitude to 50° N latitude. *Geol. Soc. Amer. Bull.*, 72, 1267-1270.
- Raisbeck, G. M., Yiou, F., Bourles, D., Lorius, C., Jouzel, J. and Barkov, N. I. (1987) Evidence for two intervals of enhanced ^{10}Be deposition in Antarctic ice during the last glacial period. *Nature*, 326, 273-276.
- ラッカム, J. (1994) 動物の考古学. 133p. (本郷一美訳, 1997) 学芸書林.
- Rampino, M. R. and Self, S. (1993) Climate-volcanism feedback and the Toba eruption of ~74,000 years ago. *Quat. Res.*, 40, 269-280.

- Ramsey, C. B. (2000) *Oxcal Program V3.5 radiocarbon calibration program*. Univ. Oxford Radiocarbon Accelerator Unit.
- Rau, G. H. (1994) Variations in sedimentary organic ^{13}C as a proxy for past changes in ocean and atmospheric CO_2 concentrations. Zahn, R. (ed.), *Carbon Cycling in the Glacial Ocean*. NATO ASI Ser. I, 17, 307-321.
- Rau, G. H., Groelich, P. N., Takahashi, T. and Des Mareis, D. J. (1991) Does sedimentary organic ^{13}C record variations in quaternary ocean $[\text{CO}_2(\text{aq})]$? *Paleoceanography*, 6, 335-347.
- Raymo, M. E. (1997) The timing of major climate terminations. *Paleoceanography*, 12, 577-585.
- Raymo, M. E. and Ruddiman, W. F. (1992) Tectonic forcing of late Cenozoic climate. *Nature*, 359, 117-122.
- Reeburgh, W. S. (1982) A major sink and flux control for methane in marine sediments; anaerobic consumption. Fanning, K. A. and Manheim, F. T. (eds) *The Dynamic Environment of the Ocean Floor*, 203-217. Lexington Books.
- Reid, C. (1899) *The Origin of the British Flora*. 191p., Dulau & Co.
- Reid, C. (1915) *Submerged Forests*. 129p., Oxford Univ. Press.
- Reid, C. and Reid E. M. (1915) The Pliocene floras of the Dutch-Prussian border. *Mededeel. Rijksopsporing Delfst.*, 6, 1-178, 20pls.
- Reid, H. F. (1910) *The mechanics of the earthquake, the California Earthquake of April 18, 1906: Report of the State Earthquake Investigation Commission*, Vol.2, 192p., Carnegie Institution of Washington.
- Renberg, I. (1981) Improved methods for sampling, photography and varve counting of varved lake sediments. *Boreas*, 10, 255-258.
- Renfrew, J. M. (1973) *Palaeoethnobotany. The Prehistoric Food Plants of the Near East and Europe*. 248p., 48pls. Methuen & Co.
- Repenning, C. A. (1968) Mandibular musculature and the origin of the Subfamily Arvicolinae (Rodentia). *Acta. Zool. Cracov.*, 13, 29-72.
- Repenning, C. A., Fejfar, O. and Heinrich, W.-D. (1990) Arvicolid rodent biochronology of the Northern Hemisphere. *International Symposium Evolution, Phylogeny and Biostratigraphy of Arvicolids (Rodentia, Mammalia)*. 385-417, Geological Survey, Prague.
- Rex, R. W., Syers, J. K., Jackson, M. L. and Clayton, R. N. (1969) Eolian origin of quartz in soils of Hawaiian Islands and in Pacific pelagic sediments. *Science*, 163, 277-279.
- Richards, D. A., Smart, P. L. and Edwards, R. L. (1994) Maximum sea levels for the last glacial period from U-series ages of submerged speleothems. *Nature*, 367, 357-360.
- Richmond, G. M. and Fullerton, D. S. (1986) Introduction to Quaternary glaciations in the United States of America. *Quat. Sci. Rev.*, 5, 3-10.
- Richthofen, F. von (1877) *China*. Vol. 1, Reimer.
- Roberts, N. (1989) *The Holocene: An Environmental History*. 227p., Blackwell.
- Robinson, R. (1984) Norway rat. Mason, I. L. (ed.) *Evolution of Domesticated Animals*, 284-290, Longman.
- Rodbell, D. T., Seltzer, G. O., Anderson, D. M., Abbott, M. B., Enfield, D. B. and Newman, J. H. (1999) An -15,000-year record of El Niño-driven alluviation in Southwestern Ecuador. *Science*, 283, 516-520.
- Rohling, E. L., Fenton, M., Jorissen, F. J., Bertrand, P., Ganssen, G. and Caulet, J. P. et al. (1998) Magnitudes and sea-level lowstands of the past 500,000 years. *Nature*, 394, 162-165.
- Rosendahl, B. D., Reynolds, J., Lorber, P. M., Burgess, C. F., McGill, J., Scott, D., Lambiasi, J. J. and Derksen, S. J. (1986) Structure expressions of rifting: Lessons from Lake Tanganyika, Africa. Frostick, L. E. et al. (eds.) *Sedimentation in the African Rifts*. Geol. Soc. Amer. Spec. Pub. 25.
- Roth, I. (1977) *Fruits of Angiosperms. Encyclopedia of Plant Anatomy*, 10 (1), 675p., Gebrüder Borntraeger.
- Rozanski, K., Araguas-Araguas, L. and Confiantini, R. (1993) Isotopic patterns in modern global precipitation. Swart, P. K., Lohmann, K. C., McKenzie, J., Savin, S. (eds.) *Climate Change in Continental Isotopic Records*, 1-36, Gephysical Monograph 78, American Geophysical Union.
- Rozanski, K., Goslar, T., Dulinski, M., Kuc, T., Pazdur, M. F. and Walanus, A. (1992) The late Glacial-Holocene transition in central Europe derived from isotope studies of laminated sediments from Lake Gosciadz (Poland). Bard, E. and Broecker, W. S. (eds.) *The Last Deglaciation: Absolute and Radiocarbon Chronologies*. NATO ASI Series, Series 1, Global Environmental Change, 2, 69-80, Springer Verlag.
- Ruddiman, W. (ed.) (1997) *Tectonic Uplift and Climate Change*. Plenum Pr.
- Ruddiman, W. F., McIntyre, A. F. and Raymo, M. E. (1986) Matuyama 41,000-year cycle: North Atlantic Ocean and northern hemisphere ice sheets. *Earth Planet. Sci. Lett.*, 80, 117-129.
- Ruddiman, W. F., Raymo, M. E., Martinson, D. G., Clement, B. M. and Backman, J. (1989) Pleistocene evolution; Northern Hemisphere ice sheets and North Atlantic Ocean. *Paleoceanography*, 4, 353-412.
- Runcorn, S. K. (1962) Paleomagnetic evidence for continental drift and its geophysical cause. Runcorn, S. K. (ed.) *Continental Drift*, 1-39, Academic Press.
- Rutter, N., Ding, Z., Evans, M. E. and Wang, Y. (1990) Magnetostratigraphy of the Baoji loess-paleosol section in the north-central China Loess Plateau. *Quat. Int.*, 718, 97-102.
- Ryder, M. L. (1984) Sheep. Mason, I. L. (ed.) *Evolution of Domesticated Animals*, 63-85, Longman.
- 劉東生 (1964) 黄河中游黄土. 190p., 科学出版社.
- 劉東生 (1985) 黄土与环境. 481p., 科学出版社.
- 劉東生・張宗 (1962) 中国的黄土. 地質學報, 42, 1-14.
- Saarnisto, M. (1986) Annually laminated sediments. Berglund, B. E. (ed.) *Handbook of Holocene Paleohydrology*, 343-370, John Wiley and Sons.
- 相模原市地形・地質調査会 (1986) 相模原の地形・地質調査報告書 (第3報). 96p.
- 佐原真 (1985) 分布論. 「岩波講座日本考古学 (1) 研究の方法」: 115-160, 岩波書店.
- 西城潔・長岡大輔・福田正己・Arkhangorov, A., Kunitsky, V. (1995) シベリア北極圏, ポリシヨイリヤホフスキー島で発見されたマンモスの皮膚の ^{14}C 年代. 第四紀研究, 34, 315-317, pl. I.
- 斎藤秀樹・竹岡政治 (1987) 裏日本系スギ林の生殖器官生産量および花粉と種子生産の関係. 日本生態学会誌, 37, 183-195.
- 斎藤常正 (1999) 最近の古地磁気層序の改訂と日本の標準微化石層序. 石油技術協会誌, 64, 2-15.
- 阪口豊 (1974) 泥炭地の地学—環境の変化を探る—. 329p., 東京大学出版会.
- 酒井治孝 (1997) モンスーン気候はいつ始まったのか?—その地質学的証拠—. 地学雑誌, 106, 131-144.
- 酒井治孝・本多了 (1988) ヒマラヤ山脈の形成—大陸衝突

- 型造山帯のテクトニクス。科学, 58, 494-508.
- 酒詰伸男 (1961) 日本縄文石器時代食料総説。338p., 土曜会。
- 寒川 旭 (1986) 近畿中央部の新規地殻運動。月刊地球, 8, 752-755.
- Sanyal, A., Hemming, N. G., Broecker, W. S. and Hanson, G. H. (1997) Changes in pH in the eastern equatorial Pacific across stages 5-6 boundary based on boron isotopes in foraminifera. *Global Biogeochem. Cycles*, 11, 125-133.
- Sarnthein, M., Winn, K., Duplessy, J. C. and Fontugne, M. R. (1988) Global variations of surface ocean productivity in low and mid latitudes: influence on CO₂ reservoirs of the deep ocean and atmosphere during the last 21,000 years. *Paleoceanography*, 3, 361-399.
- 佐瀬 隆・井上克弘・張 一飛 (1995) 洞爺火山灰以降の岩手火山テフラ層の植物珪酸体群集と古環境。第四紀研究, 34, 91-100.
- 佐藤邦彦・庄司次男・太田 昇 (1960) 針葉樹苗の雪腐病に関する研究 - II. 暗色雪腐病。林業試験所研究報告, 124, 21-100.
- 佐藤洋一郎 (1996) DNAが語る稲作文明: 起源と展開。NHK ブックス 773. 227p., 日本放送協会。
- 佐藤洋一郎 (2000) 縄文農耕の世界, DNA分析で何がわかったか。218p., PHP研究所。
- Sauramo, M. (1958) Die Geschichte der Ostsee. *Ann. Acad. Sci. Fennicae, Ser. A. III*, 51, 1-522.
- Schaefer, I. (1953) Die donauiszeitlichen Ablagerungen an Lech und Wertach. *Geologia Bavarica*, 19, 13-64.
- Schaefer, I. (1968) The succession of fluvioglacial deposits in the northern Alpine foreland. *Int. Congr. INQUA, USA 1965, Proc.* 14, 9-14.
- Scheidig, A. (1934) *Der Löss und sein geotechnische Eigenschaft*. 233p., Steinkopf.
- Schlichter, C. (1999) *The Quaternary stratigraphy of the Alps*. Book of Abstracts, XV INQUA Congress, 159.
- Schmid, E. (1972) *Atlas of Animal Bones for Prehistorians, Archaeologists and Quaternary Geologists*. 159p., Elsevier Pub. Co.
- Schwartz, D. P. and Coppersmith, K. J. (1984) Fault behavior and characteristic earthquakes: examples from the Wasatch and San Andreas faults. *Jour. Geophys. Res.* 89, 5681-5698.
- 関口 一・野川 覚・齋藤秀樹・竹岡政治 (1986) 壮齡アマツ林の花粉生産量。日本林学会誌, 68, 143-149.
- Semaw, S., Renne, P., Harris, J. W. K., Feibel, C. S., Bernor, R. L., Fesseha, N., and Mowbray, K. (1997) 2.5-million-year-old stone tools from Gona, Ethiopia. *Nature*, 385, 333-336.
- 芹沢長介 (1996) ナイフ形石器。地学団体研究会編「新版地学事典」: 942p., 平凡社。
- 芹沢長介・麻生 優 (1953) 北信・野尻湖底発見の無土器文化 (予報)。考古学雑誌, 39, 26-33.
- Severinghaus, J. P., Sowers, T., Brook, E. J., Alley, R. B. and Bender, M. L. (1998) Timing of abrupt climate change at the end of the Younger Dryas interval from thermally fractionated gases in polar ice. *Nature*, 391, 717-718.
- Shackleton, N. J. (1967) Oxygen isotope analyses and Pleistocene temperatures reassessed. *Nature*, 215, 15-17.
- Shackleton, N. J. (1977) Carbon-13 in *Uvigerina*: tropical rainforest history and the equatorial Pacific carbonate dissolution cycles. Andersen, N. R. and Malahoff, A. (eds.) *The Fate of Fossil Fuel CO₂ in the Oceans*, 401-427, Plenum.
- Shackleton, N. J. (1987) Oxygen isotopes, ice volume and sea level. *Quat. Sci. Rev.*, 6, 183-190.
- Shackleton, N. (1995) New data on the evolution of Pliocene climatic variability. In: Vrbo, E. S., Denton, D. H., Partridge, T. C. and Burckle, L. H. (eds.) *Paleoclimate and evolution with emphasis on human origins*, Yale Univ. Press.
- Shackleton, N. J., Berger, A. and Peltier, W. R. (1990) An alternative astronomical calibration of the lower Pleistocene timescale based on ODP Site 677. *Trans. Roy. Soc. Edinburgh, Earth Sciences*, 81, 251-261.
- Shackleton, N. J., Duplessy, J. C., Arnod, M., Maurige, P., Hall, M. and Cartlidge, J. (1988) Radiocarbon age of last glacial Pacific deep water. *Nature*, 335, 708-711.
- Shackleton, N. J. and Opdyke, N. D. (1973) Oxygen isotope and palaeomagnetic stratigraphy of equatorial Pacific core V28-238: oxygen isotope temperatures and ice volume on a 10⁵ and 10⁶ year scale. *Quat. Res.*, 3, 39-55.
- Shepard, F. P. and Suess, H. E. (1956) Rate of postglacial rise of sea level. *Science*, 123, 1082-1083.
- 芝田清吾 (1970) 日本古代家畜史の研究 (第3版)。338 + 14p., 学術書出版会。
- 鹿間時夫・長谷川善和 (1962) 群馬県富岡の巨角鹿について。地学雑誌, 731, 247-253.
- 島崎邦彦 (1980) 完新世海成段丘の隆起とプレート内およびプレート間地震。月刊地球, 2, 17-24.
- 島崎邦彦 (1991) 地震と地体構造。萩原尊禮編「日本列島の地震: 地震工学と地震地体構造」: 11-56, 鹿島出版会。
- シンプソン, G. G. (1951) 馬と進化。365p. (原田俊治訳, 1979) どうぶつ社。
- Shumskiy, P. A., Krenke, A. N. and Zotikov, I. A. (1964) Ice and its change. Odishaw, H. (ed.) *Research in Geophysics*, Vol. 2, 425-460.
- Sibrava V. (1986) Correlation of European glaciations and their relation to the deep-sea record. *Quat. Sci. Rev.*, 5, 433-441.
- Siegenthaler and Sarmiento (1993) Atmospheric carbon dioxide and the ocean. *Nature*, 365, 119-125.
- Sieh, K., Stuiver, M. and Brillinger, D. (1989) A more precise chronology of earthquakes produced by the San Andreas fault in southern California. *Jour. Geophys. Res.*, 94, B1, 603-623.
- Sigurdsson, H. and Carey, S. N. (1980) Marine tephrochronology and Quaternary explosive volcanism in the Lesser Antilles arc. Self, S. and Sparks, R. S. J. (eds.) *Tephra Studies*, 255-280, D. Reidel.
- Sigurðeirsson, T. (1962) Age dating of young basalts with the potassium-argon method (in Icelandic). *Phys. Labo. Rpt., Univ. Iceland*, 9p.
- Smalley, I. J. (1990) Possible formation mechanisms for the modal coarse-silt quartz particles in loess deposits. *Quat. Int.*, 7/8, 23-27.
- Smalley, I. J. and Vita-Finzi, C. (1968) The formation of fine particles in sandy deserts and the nature of desert loess. *Jour. Sedimentary Petrol.*, 38, 766-774.
- Smart, P. L. and Richards, D. A. (1992) Age estimates for the Late Quaternary high sea-stands. *Quat. Sci. Rev.*, 11, 687-696.
- Smith, G. I. and Street-Perrott, A. F. (1983) Pluvial lakes of the western United States. Porter, S. (ed.) *Late Quaternary Environments of the United States. 1. The Late Pleistocene*, 190-212, Longman.
- Soergel, W. (1919) *Losse, Eiszeiten und Paläolithische Kulturen. Eine Gliederung und Altersbestimmung der Losse*. 177p., Jena.
- Soh, W., Nakayama, K. and Kimura, T. (1998) Arc-arc collision in the Izu collision zone, central Japan, deduced from the Ashigara Basin and adjacent Tanzawa Mountains. *Island Arc*, 7, 330-341.
- Sowers, T. and Bender, M. (1995) Climate records covering the last deglaciation. *Science*, 269, 210-214.

- Sowers, T., Bender, M., Raynaud, D., Korotkevich, Y. S. and Orchado, J. (1991) The ^{18}O of atmospheric O_2 from air inclusions in the Vostok ice core: timing of CO_2 and ice volume changes during the penultimate deglaciation. *Paleoceanography*, 6, 679-696.
- Sparks, B. W. (1961) The ecological interpretation of Quaternary non-marine mollusca. *Proc. Linnol. Soc. London*, 172, 71-80.
- Sparks, R. S. J. and Walker, G. P. L. (1977) The significance of vitric-enriched airfall ashes associated with crystal-enriched ignimbrites. *Jour. Volcanol. Geotherm. Res.*, 2, 329-341.
- Spindler, K. (1994) Der Mann im Eis—Die Ötztaler Mumie verrät die Geheimnisse der Steinzeit— [K. シュビンドラー著, 畔上 司訳 (1994) 5000年前の男—解明された凍結ミイラの謎— 文芸春秋].
- Stauffer, B., Blunier, T., Dalenbach, A., Indermuhle, A., Schwander, J., Stocker, T. F., Tschumi, J., Chappellaz, J., Raynaud, D., Hammer, C. U. and Clausen, H. B. (1998) Atmospheric CO_2 concentration and millennial-scale climate change during the last glacial period. *Nature*, 392, 59-62.
- Stefanick, M. and Jurdy, D. M. (1984) The distribution of hotspots. *Jour. Geophys. Res.*, 89, 9919-9925.
- Stille, H. (1924) *Grungfragen der Vergleichenden Tektonik*. Gebruder Borntrager.
- Strahler, A. N. (1975) *Physical Geography*. 643p., John Wiley & Sons.
- Street, F. A. and Grove, A. T. (1979) Global maps of lake level fluctuations in Africa. *Quat. Res.*, 12, 83-118.
- Stromberg, B. (1989) *Late Weichselian deglaciation and clay varve chronology in East-Central Sweden*. Sveriges Geologiska Undersokning Ca 73, 70p.
- Stromberg, B. (1994) Younger Dryas deglaciation at Mt. Billingen, and clay varve dating of the Younger Dryas/Preboreal transition. *Boreas*, 23, 177-193.
- Strum, M. (1979) Origin and composition of clastic varves. Schlucher, C. (ed.) *Moraines and varves: origin, genesis, classification*. Proceedings of an INQUA symposium on genesis and lithology of Quaternary deposits, Zurich, 281-285, A.A.Balkema.
- Stuart, A. J. (1982) *Pleistocene Vertebrates in the British Isles*. 212p., Longman Group Ltd.
- Stuart, A. J. (1991) Mammalian extinctions in the Late Pleistocene of northern Eurasia and North America. *Biol. Rev.*, 66, 453-562.
- Stuiver, M. and Becker, B. (1993) High-precision bidecadal calibration of the radiocarbon timescale, AD1950-6000BP. *Radiocarbon*, 35, 35-66.
- Stuiver, M. and Braziunas, T. F. (1993) Modeling atmospheric ^{14}C influences and ^{14}C ages of marine samples to 10,000 BC. *Radiocarbon*, 35, 137-189.
- Stuiver, M. and Grootes, P. M. (2000) GISP2 oxygen isotope ratios. *Quat. Res.*, 53, 277-284.
- Stuiver, M., Grootes, P. M. and Braziunas, T. F. (1995) The GISP2 $\delta^{18}\text{O}$ climate record of the past 16, 500 years and the role of the sun, ocean and volcanoes. *Quat. Res.*, 44, 341-354.
- Stuiver, M. and Reimer, P. J. (1993) Extended ^{14}C data base and revised Calib 3.0 ^{14}C age calibration program. *Radiocarbon*, 35, 215-230.
- Stuiver, M., Reimer, P. J., Bard, E., Beck, J. W., Burr, G. S., Hughen, K. A., Kromer, B., McCormac, F. G., van der Plicht, J. and Spurk, M. (1998) INTCAL98 Radiocarbon Age Calibration, 24,000-0 cal. BP. *Radiocarbon*, 40, 1041-1084.
- Suess, H. E. (1970) Bristle-pine calibration of the radiocarbon timescale 5,000BC to the present. Olsson, I. U. (ed.) *Radiocarbon Variations and Absolute Chronology*, 303-311, John Wiley.
- Suggate, R. P. (1974) When did the last interglacial end? *Quat. Res.*, 4, 246-252.
- Sugimura, A. (1960) Zonal arrangement of some geophysical and petrological features in Japan and its environs. *Jour. Fac. Sci. Univ. Tokyo*, Sec. II, 12, 133-153.
- 杉村 新 (1978) 鳥弧の大地形・火山・地震. 岩波講座地球科学 10, 岩波書店.
- 杉村 新 (1987) グローバルテクトニクス—地球変動学. 250p., 東京大学出版会.
- 杉村 新・中村保夫・井田喜明 (1988) 図説地球科学. 266p., 岩波書店.
- Sutcliffe, A. J. (1960) Joint Mitnor Cave, Buckfastleigh. *Trans. Proc. Torquay Nat. Hist. Soc.*, 13, 1-26.
- Sutcliffe, A. J. (1985) *On the Track of Ice Age Mammals*. 224p., British Museum (Natural History).
- 諏訪 元 (1997) アルディピテクス, ヒト科. ラミダス猿人, 「人類学用語事典」: 12-13, 226-227, 278-279, 雄山閣.
- Suzuki, A., Kawahata, H., Tanimoto, Y., Guputa, L. P. and Yukino, I. (2000) Skeletal isotopic record of a Porites coral during the 1998 mass bleaching event. *Geochem. Jour.*, 34, 321-329.
- 鈴木敬治 (1976) 古植生の復元と古気候の推定. 日本地質学会・日本古生物学会編「陸の古生態—古生態学論集—」: 81-105, 共立出版.
- 鈴木敬治・那須孝悌 (1988) 日本の鮮新—更新統の植物化石による分帯. 地質学論集, (30), 169-180.
- Swain, A. M. (1978) Environmental changes during the past 2000 years in north-central Wisconsin: analysis of pollen, charcoal, and seeds from varved lake sediments. *Quat. Res.*, 10, 55-68.
- Szafer, W. (1935) The significance of isopolle lines for the investigation of the geographical distribution of trees in the Postglacial period. *Bull. l'Academie polonaise sciences Lett.*, Ser. B. sciences naturelles. 1, 235-239.
- Szafer, W. (1961) Miocene flora from Stare Gilwice in Upper Silesia. *Inst. Geol. Prace*, 23, 1-205.
- Tackenberg, K. (Hrsg.) (1956) *Der Neandertaler und seine Umwelt: Gedenkschrift zur Erinnerung an die Auffindung im Jahre 1856*. 131S, Ludolf-Habelt-Verlag.
- 多田文男 (1928) 活断層の二種類. 地理学評論.
- 多田隆治 (1992) 日本海第四紀堆積物に見られる堆積リズムとミランコヴィッチ・サイクル. 安成哲三・柏谷健二編「地球環境変動とミランコヴィッチサイクル」: 126-145, 古今書院.
- 多田隆治・入野智久 (1994) 第四紀後期における日本海の海洋環境変化. 月刊地球, 16, 667-677.
- Tada, R., Irino, T. and Koizumi, I. (1999) Land-ocean linkages over orbital and millennial time scales recorded in late Quaternary sediments of the Japan Sea. *Paleoceanography*, 14, 236-247.
- Tada, R., Koizumi, I., Cramp, A. and Rahman, A. (1992) Correlation of dark and light layers, and the origin of their cyclicity in the Quaternary sediments from the Japan Sea. *Proc. Ocean Drilling Program. Sci. Results*, 127/128, 577-601.
- Tagawa, H. (1964) A study of the volcanic vegetation in Sakurajima, S. W. Japan. I. Dynamics of vegetation. *Mem. Fac. Sci., Kyushu Univ.* Ser. E. (Biol.), 3, 165-228.
- Tai, A. (1973) A study on the pollen stratigraphy of the Osaka Group, Plio-Pleistocene deposits in the Osaka Basin. *Mem.*

- Fac. Sci. Kyoto Univ. Geol. Min.*, 39, 123-165.
- 高島 勲 (1995) 熱ルミネッセンス年代測定—特に石英による火山岩類の測定精度について. 第四紀研究, 34, 209-220.
- 高槻成紀 (1992) フン(糞). 大田昭夫編「富沢遺跡—第30次調査報告書第一分冊 旧石器時代編—」: 370-378, 仙台市教育委員会.
- 高安克己 (1978) 洞くつの世界. 152p., 千代田書房.
- 竹岡俊樹 (1997) フランス先史学における型式学—ホルドの方法について—. 考古学雑誌, 82, 1-15.
- Takhtajan, A. (1986) *Floristic Regions of the World*. 522p., Univ. California Press.
- 棚井敏雄 (1991) 北半球における第三紀の気候変動と植生の変化. 地学雑誌, 100, 951-966.
- 田中正武 (1975) 栽培植物の起源. NHKブックス, 245, 241p., 日本放送協会.
- 谷口康浩 (2001) 縄文時代遺跡の年代. 季刊考古学, 77, 17-21.
- 丹那断層発掘調査研究グループ (1983) 丹那断層 (北伊豆・名賀地区) の発掘調査. 地震研究所彙報, 58, 797-830.
- 樽野博幸 (1994) 足跡化石. 富田林市石川化石発掘調査団編「富田林の足跡化石—100万年前の自然を復元する—」: 131-158, 富田林市石川化石発掘調査団.
- 樽野博幸・魏光庭 (2003) 中国北部の下部更新統から発見されたムカシマンモスの祖先. 日本第四紀学会講演要旨集, 33, 192-193.
- 樽野博幸・亀井節夫 (1993) 近畿地方の鮮新・更新統の脊椎動物化石. 市原 実編著「大阪層群」: 216-231, 創元社.
- 巽 好幸 (1995) 沈み込み帯のマグマ学—全マントルダイナミクスに向けて—. 186p., 東京大学出版会.
- Tattersall, I. and Schwartz, J. (2001) *Extinct Humans*. 256p., Westview Press.
- Taylor, D. W. (1965) The study of Pleistocene nonmarine mollusks in North America. Wright, H. E. and Frey, D. G. (eds.) *The Quaternary of the United States*, 597-611, Princeton Univ. Press.
- Temple, S. A. (1977) Plant-animal mutualism: coevolution with dodo leads to near extinction of plant. *Science*, 197, 885-886.
- 寺田和雄・太田貞明・鈴木三男・能城修一・辻誠一郎 (1994) 十和田火山東麓における八戸テフラ直下の埋没林への年輪年代学の適用. 第四紀研究, 33, 153-164.
- Theniuss, E. (1962) Die Großsäugetiere des Pleistozäns von Mitteleuropa. *Zeitschr. Säugetierkunde*, 27, 65-83.
- Theniuss, E. (1980) *Grundzüge der Faunen- und Verbreitungsgeschichte der Säugetiere: Ein historische Tiergeographie*. 375p., VEB Gustav Fischer Verlag.
- Thomas, D. S. G. (1997) *Arid Zone Geomorphology*. 713p., Wiley.
- Thompson, L. G., Mosley-Thompson, E., Bolzag, J. F. and Koci, B. R. (1985) A 1500-year record of tropical precipitation in ice cores from the Quelccaya Ice Cap, Peru. *Science*, 229, 971-973.
- Thompson L. G., Mosley-Thompson, E., Davis, M. E., Lin, P. N., Dai, J., Bolzan, J. F. and Yao, T. (1995) A 1000 year climate ice-core record from the Guliya ice cap, China: its relationship to global climate variability. *Annals Glaciology*, 21, 175-181.
- Thomsen, C. J. (1836) *Ledetraad til Nordisk Oldkyndighed*. Copenhagen [English edition (1848) *A Guide to Northern Antiquities*].
- Thorarinsson (1944) Tefrokronologiska studier pa Island. *Geogr. Ann. Arg.* 26.
- Thornthwaite, C. W. (1948) An approach toward a rational classification of climate. *Geol. Rev.*, 33, 233-255.
- Tiedermann, R., Sarnthein, M. and Shackleton, N. J. (1994) Astronomic timescale for the Pliocene Atlantic and dust flux records of ocean Drilling Program site 659. *Paleoceanography*, 9, 619-638.
- 徳田御稔 (1941) 日本生物地理. 東亜鼠類の進化的研究より見たる日本列島の地史及び生物相の発達史. 201p., 古今書院.
- 徳田御稔 (1969) 生物地理学. 199p., 築地書館.
- 富田幸光 (1990) 新世界における更新世末大型哺乳類の絶滅—マーティンによる電撃戦モデルの紹介. モンゴロイド, 8, 13-16.
- 富田幸光 (1993) 更新世末におこったアメリカ産大型哺乳類の大量絶滅. 学術月報, 46, 359-365.
- 鳥居雅之・福岡浩司 (1998) 黄土層の初磁化率: レビュー. 第四紀研究, 37, 33-45.
- Toth, N., Schick, K. D., Savage-Rumbaugh, E. S., Sevcik, R. A., and Rumbaugh, D. M. (1993) Pan the tool-maker: Investigations into the stone tool-making and tool-using capabilities of a bonobo (*Pan paniscus*). *Jour. Archaeological Science*, 20, 81-91.
- 塚本すみ子 (1995) 電子スピン共鳴 (ESR) 年代測定法の現状と問題点. 第四紀研究, 34, 239-248.
- 角替静男・乗木新一郎 (1983) 海洋化学—化学で海を解く. 286p., 産業図書.
- 辻誠一郎・南木陸彦・鈴木三男・能城修一・千野裕道 (1986) 多摩ニュータウンNo. 796遺跡: 縄文時代泥炭層の層序と植物遺体群集. 「多摩ニュータウン遺跡—昭和59年度, 第3分冊」, 72-116, 東京都埋蔵文化財センター.
- Turnbull, P. F. and Reed, C. A. (1974) The fauna from the terminal Pleistocene of Pategawra Cave, a Zarzian occupation site in north-eastern Iraq. *Fieldiana Anthropology*, 63, 81-146.
- 上田誠也 (1989) プレートテクトニクス. 268p., 岩波書店.
- 上田誠也・金森博雄 (1978) 海洋プレートの沈み込みと縁海の形成. 科学, 48, 91-102.
- 上坂章次 (1964) 原色家畜家禽図鑑. 128p + 60pls., 保育社.
- Untersteiner, N. (1984) The cryosphere. Houghton, J. T. (ed.) *The Global Climate*. Chap. 8, Cambridge Univ. Press.
- 浦上啓太郎・長沼裕次郎・富樫利八 (1933b) 北海道における火山灰に関する研究 (第2報). 火山, 第1集, 4, 81-94.
- 浦上啓太郎・山田 忍・長沼裕次郎 (1933a) 北海道における火山灰に関する研究 (第1報). 火山, 第1集, 3, 44-60.
- Urey, H. C. (1947) The thermodynamic properties of isotopic substances. *Jour. Chem. Soc.*, II, 562-581.
- Valtonen, M. H. (1984) Raccoon dog. Mason I. L. (ed.) *Evolution of Domesticated Animals*, 215-217, Longman.
- Van de Water, P. K., Leavitt, S. W., and Betancourt, J. L. (1994) Trends in stomatal density and $^{13}C/^{12}C$ ratios of *Pinus flexilis* needles during last Glacial-Interglacial cycle. 239-243.
- Van der Burgh, J., Visscher, H., Dilcher, D. L. and Kürschner, W. M. (1993) Paleotatmospheric signatures in Neogene fossil leaves. *Science*, 260, 1788-1790.
- Vartanyan, S. L., Garutt, V. E. and Sher, A. V. (1993) Holocene dwarf mammoths from Wrangel Island in the Siberian Arctic. *Nature*, 362, 337-340.
- Vaughan, T. A. (1978) *Mammalogy* (2nd ed.). 522p., W. B. Saunders Co.
- Vavilov, N. I. (1926) *Studies on the Origin of Cultivated Plants*. Tr. Prikl. Bot. Selekt., 16 [中村英司訳 (1980) 栽培植物発祥地の研究. 365p., 八坂書房].
- Veeh, H. H. (1966) $^{230}Th/^{238}U$ and $^{234}U/^{238}U$ ages of Pleistocene high sea level stand. *Jour. Geophys. Res.*, 71, 14.
- Veeh, H. H. and Chappell, J. (1970) Astronomical theory of climatic changes: Support from New Guinea. *Science*, 167,

- 862-865.
- ヴェレシチャーギン (1979) マンモスはなぜ絶滅したか. 232p., ナウカ出版所 [金子不二夫訳 (1981) 東海大学出版会].
- Velichko, A. A. (ed.) (1984) *Late Quaternary Environments of the Soviet Union*. Univ. Minnesota press.
- Vidal, L., Labeyrie, L., Cortijo, E., Arnold, M., Duplessy, J. C., Michel, E., Becque, S. and van Weering, T. C. E. (1997) Evidence for changes in the North Atlantic Deep Water linked to meltwater surges during the Heinrich events. *Earth Planet. Sci. Lett.*, 146, 13-27.
- Vincent, J-S. and Prest, V. K. (1987) The Early Wisconsinan history of the Laurentide ice sheet. *Geographie physique et Quaternaire*, 41, 199-213.
- Vine, F. and Matthews, D. H. (1963) Magnetic anomalies over oceanic ridges. *Nature*, 199, 947-949.
- Waelbroeck, C., Labeyrie, L., Michel, E., Duplessy, J.-C., McManus, J. F., Lambeck, K., Balbon, E. and Labracherie, M. (2002) Sea-level and deep water temperature changes derived from benthic Foraminifera isotopic records. *Quat. Sci. Rev.*, 21, 295-306.
- Walcott, R. I. (1972) Past sea levels, eustasy deformation of the earth. *Quat. Res.*, 2, 1-14.
- Wald, D. J. and Somervuille, P. G. (1995) Variable-slip rupture model of the Great 1923 Kanto, Japan Earthquake: Geodetic and body-wave form analysis. *Bull. Seis. Soc. Amer.*, 85, 159-177.
- Walker, G. P. L. (1973): Explosive volcanic eruptions—a new classification scheme. *Geologisch Rundschau*, 62, 431-446.
- Walker, G. P. L. (1980): The Taupo pumice: product of the most powerful known (ultra-plinian) eruption. *Jour. Volcanol. Geotherm. Res.*, 8, 69-94.
- Walker, G. P. L. (1981) New Zealand case histories of pyroclastic studies. Self, S. and Sparks, R. S. J. (eds.) *Tephra Studies*, 317-330, D. Reidel.
- Wallece, R. E. (1970) Earthquake recurrence intervals on the San Andreas fault. *Geol. Soc. Amer. Bull.*, 81, 2875-2890.
- Walter, H. (1968) *Die Vegetation der Erde in Öko-physiologischer Betrachtung, Bd2. Die Gemäßigten und Arktischen Zonen*. 1001p., Gustav Fischer.
- Walter R. C., Manega, P. C., Hay, R. L., Drake, R. E. and Curtis, G. H. (1991) Laserr-fusion $^{40}\text{Ar}/^{39}\text{Ar}$ dating of Bed I, Olduvai Gorge, Tanzania. *Nature*, 354, 145-149.
- Wang, L., Sarnthein, M., Erlenkeuser, H., Grimalt, J., Grootes, P., Heilig, S., Ivanova, E., Kienast, M., Pelejero, C. and Pflaumann, U. (1999) East Asian monsoon climate during the Late Pleistocene: high-resolution sediment records from the South China Sea. *Marine Geology*, 156, 245-284.
- Washburn, A. L. (1979) *Geocryology: A Survey of Periglacial Processes and Environments*. 406p., Edward Arnold.
- 鷲谷いづみ・矢原徹一 (1996) 保全生態学入門, 遺伝子から景観まで. 270p., 文一総合出版.
- 渡邊興亜 (1994) 南極氷床に地球の気候変動を探る. 科学, 64, 52-60.
- Watanabe, O., Jouzel, J., Johnsen, S., Parrenin, F., Shoji, H. and Yoshida, N. (2003) Homogeneous climate variability across East Antarctica over the past three glacial cycles. *Nature*, 422, 509-512.
- Webb, L. J., (1986) Potential role of passenger pigeons and other vertebrates in the rapid Holocene migrations of nut trees. *Quat. Res.*, 26, 367-375.
- Webster, P. (1987) The elementary monsoon. Fein, J. S. and Stephens, P. L. (eds.) *Monsoons*, Chap. 1, Wiley.
- Wegener, A. (1912) *Die Entstehung der Kontinente*. Petermann's Mitteilungen.
- Weigelt, J. (1927) *Recent Vertebrate Carcasses and Their Paleobiological Implications*. 188p., Verlag von Max Weg [translated from German, Schaefer, J. (1989) Univ. Chicago Press].
- Weizsäcker, C. F. von (1937) Über die Möglichkeit eines dualen Betazerfalls von Kalium. *Phys. Z.*, 38, 623-624.
- Wells, P. V. (1976) Macrofossil analysis of woodrat (*Neotoma*) middens as a key to the Quaternary vegetational history of arid America. *Quat. Res.*, 6, 223-248.
- Westgate, J. A. (1989) Isothermal plateau fission-track ages of hydrated glass shards from silicic tephra beds. *Earth Planet. Sci. Lett.*, 95, 226-234.
- White *et al.* (1994) *Australopithecus ramidus*, a new species of early hominid from Aramis, Ethiopia. *Nature*, 371, 306-312.
- Whitmore, T.C. (1990) *An Introduction to Tropical Rainforests*. Oxford Univ. Press [熊崎 実・小林繁男監訳 (1993) 〈熱帯雨林〉総論. 224p., 築地書館].
- Whittaker, A., Cope, J. C., W. Cowie, J. W., Gibbons, W., Haiwood, E. A., House, M. R., Jenkins, D. G., Rawson, P. F., Rushton, A. W. A., Smith, D. G., Thomas, A. T. and Wimbledon, W. A. (1991) A guide to stratigraphical procedure. *Jour. Geol. Soc. London*, 148, 813-824.
- Whittaker, R. H. (1969) New concepts of kingdoms of organisms. *Science*, 163, 150-161.
- Whittaker, R. H. (1970) *Communities and Ecosystems*. Macmillan Co. [宝月欣二訳 (1979) ホイットカー生態学概論. 生物群集と生態系 (第2版). 363p., 培風館].
- Williams, M. A. J., Dunkerley, D. L., De Deckker, P., Kershaw, A. P. and Stokes, T. (1993) *Quaternary Environments*. Edward Arnold.
- Wilson, J. T. (1963) Evidence from islands on the spreading of the ocean floor. *Nature*, 197, 536-538.
- Wilson, J. T. (1965a) A new class of faults and their bearing on continental drift. *Nature*, 207, 343-347.
- Wilson, J. T. (1965b) Transform faults, oceanic ridges, and magnetic anomalies Island. *Science*, 150, 482-485.
- Wilson, J. T. (1968) Static or mobile earth: current scientific revolution. *Amer. Phil. Soc. Proc.*, 112, 309-320.
- Wilson, R. C. L., Drury, S. A. and Chapman, J. L. (2000) *The Great Ice Age: Climate Change and Life*. 267p., Open Univ. and Routledge.
- Windom, H. L. (1975) Eolian contribution to marine sediments. *Jour. Sedimentary Petrol.*, 45, 520-529.
- Winograd, I. J., Colpen, T. B., Landwehr, J. M., Riggs, A. C., Ludwig, K. R., Szabo, B. J., Kolesar, P. T. and Revesz, K. M. (1992) Continuous 500,000-year climate record from vein calcite in Devil's hole, Nevada. *Science*, 258, 255-280.
- Wodehouse, R. P. (1935) *Pollen Grains*. 574p., McGraw Hill.
- Woldstedt, P. (1954-65) *Das Eiszeitalter* (2nd ed. v.1-3). Ferdinand Enke Verlag.
- Wolfe, J. A. (1978) A paleobotanical interpretation of Tertiary climates in the Northern Hemisphere. *Amer. Sci.*, 66, 694-703.
- Wolfe, J. A. (1993) A method of obtaining climatic parameters from leaf assemblages. *U. S. Geol. Surv. Bull.*, 2040, 71p.
- Wood, B. (1992) Origin and evolution of the genus *Homo*. *Nature*, 355, 783-790.
- Woodward, F. I. (1987) Stomatal numbers are sensitive to increases in CO₂ from pre-industrial levels. *Nature*, 327, 617-618.
- Wright, H. E. Jr. and Frey, D. G. (eds.) (1965) *The Quaternary*

- of the United States. Princeton Univ. Press.
- Wright, H. E. Jr., Kutzbach, J. E., Webb, T. III, Ruddiman, W. F., Street-Perrott, F. A. and Barthlein, P. J. (eds.) (1993) *Global Climates since the Last Glacial Maximum*. Univ. Minnesota Press.
- Xiao, J., Porter, S. C., An, Z., Kumai, H. and Yoshikawa, S. (1995) Grain size of quartz as an indicator of winter monsoon strength on the Loess Plateau of central China during the last 130,000 yr. *Quat. Res.*, 43, 22-29.
- Yaalon, D. H. and Ginzbourg, D. (1966) Sedimentary characteristics and climatic analysis of easterly dust storms in the Negev (Israel). *Sedimentology*, 6, 315-332.
- 山田和芳・斎藤耕志・福沢仁之 (1998) 汽水湖底堆積物の採取・分析方法とその最近の進歩. 汽水域研究, 5, 63-73.
- 山田昌功 (1996) ヨーロッパにおける旧石器研究の新しい波. 旧石器考古学, 53, 75-81.
- 山縣耕太郎・町田 洋・新井房夫 (1989) 銭亀一女那川テフラ—津軽海峡函館沖から噴出した後期更新世のテフラ. 地理学評論, 62, 195-207.
- 山根雅之・大場忠道 (1999) 三陸沖海底コア (KH94-3, LM-8) の解析に基づく過去 9 万年間の海洋環境変遷. 第四紀研究, 38, 1-16.
- 山末祐二 (1997) タイヌビエの種子休眠と発芽整理. 山口裕文編著「雑草の自然史, たくましさの生態学」: 91-102, 北海道大学図書刊行会.
- 山内清男 (1930) 所謂亀ヶ岡式土器の分布と縄紋式土器の終末. 考古学, 1, 139-157.
- 山内清男 (1964) 縄文式土器・総論. 「日本の原始美術 I」: 148-158, 講談社.
- 山崎晴雄 (1997) 活断層と地震防災. 地質学論集, (51), 135-143.
- 山崎純男 (1978) 福岡市板付遺跡の縄文時代水田址. 月刊文化財, 181, 9-15.
- Yarnell, R. (1978) Domestication of sunflower and sumpweed in eastern North America. Rord, R. I. (ed.) *The Nature and Status of Ethnobotany*, 289-300. Anthropological Papers No. 67. Univ. Michigan Mus. Anthropology.
- 安田尚登・村山雅史・大場忠道・Schnitker, D. (1993) 北西太平洋における最終水期以降の深層循環変動. 月刊海洋, 25, 344-349.
- 安田喜憲 (1999) 気候変動と文明の盛衰—地球温暖化の時代に何が起きたのか. 科学, 69, 572-577.
- 安成哲三 (1980) ヒマラヤの上昇とモンスーンの成立—第三紀から第四紀に至る気候体制の変化について—. 生物科学, 32, 36-44.
- 安成哲三 (1992) 氷期サイクルとアジアモンスーン. 安成哲三・柏谷健二編「地球環境変動とミランコヴィッチ・サイクル」: 68-79, 古今書院.
- 矢沢大二 (1989) 気候地域論考. 古今書院.
- Yeats, R. S. (2001) *Living with Earthquakes in California: A Survivor's Guide*. 406p., Oregon State Univ. Press.
- 米林 伸 (1990) 花粉分析による植生の空間分布の復元. 植生史研究, 5, 19-26.
- 米倉伸之 (1989) 第四紀の海面変化とその将来予測. 日本第四紀学会編「百年・千年・万年後の日本の自然と人類」: 38-59, 古今書院.
- 吉田真吾・額額一起・柴崎文一郎・鷲谷 威・加藤照之・吉田康宏ほか (1995) 日本地震学会講演要旨集, 2, A76.
- Yoshii, T. (1973) Upper mantle structure beneath the North Pacific and marginal seas. *Jour. Phys. Earth*, 21, 313-328.
- 吉川虎雄 (1968) 西南日本外帯の地形と地震性地殻変動. 第四紀研究, 7, 157-170.
- 吉川虎雄・太田陽子・貝塚爽平 (1964) 土佐湾北東岸の海岸段丘と地殻変動. 地理評, 37, 627-648.
- 吉川虎雄・杉村 新・貝塚爽平・太田陽子・坂口 豊 (1973) 新編 日本地形論. 415p., 東京大学出版会.
- 吉岡邦二 (1973) 生態学講座 12 植物地理学. 73p., 共立出版.
- Zagwijn, W. H. (1957) Vegetation, climate and time-correlation in the Early Pleistocene of Europe. *Geol. Mijnb. N. S.*, 19, 233-244.
- Zagwijn, W.H. (1992) The beginning of the ice age in Europe and its major subdivisions. *Quat. Sci. Rev.*, 11, 583-591.
- Zahn, R., Winn, K. and Sarnthein, M. (1986) Benthic foraminifer $\delta^{13}\text{C}$ and accumulation rates of organic carbon: *Uvigerina pergrina* group and *Cibicides wuellerstorfi*. *Paleoceanography*, 1, 27-42.
- Zeller, E. J., Levy, P. W. and Mattern, P. L. (1967) Geologic dating by electron spin resonance. Radioactive Dating Methods of Low-Level Counting. IAEA, 531-540.
- Zielinski, G. A., Mayewski, P. A., Meeker, L. D., Whitlow, S., Twickler, M. S., Morrison, M., Meese, D. A., Gow, A. J. and Alley, R. B. (1994) Record of volcanism since 7000 B. C. from the GISP2 Greenland Ice Core and implications for the volcano-climate system. *Science*, 264, 948-943.
- Zohary and Hopf (1993) *Domestication of Plants in the Old World* (2nd ed.). 278p., Clarendon Press.
- Zolitschka, B. (1990) Jahreszeitlich geschichtete Seesedimente ausgewählter Eifelmaare. *Doc. Nat.*, 60, 1-226.
- Zolitschka, B. (1997) A 14,000 year sediment yield record from western Germany based on annually laminated lake sediments. *Geomorphology*, 22, 1-17.
- Zolitschka, B. (ed.) (1999) High-resolution records from European Lakes. *Quat. Sci. rev.*, 18(7), 101p.
- Zolitschka, B., Brauer, A., Negendank, J. F. W., Stockhausen, H. and Lang, A. (2000) Annually dated late Weichselian continental paleoclimate record from the Eifel, Germany. *Geology*, 28, 783-786.
- Zolitschka, B., Haverkamp, B. and Negendank, J. F. W. (1992) Younger Dryas oscillation-varve dated microstratigraphic palynological and paleomagnetic records from Lake Holzmaar, Germany. Bard, E. and Brocker, W. S. (eds.) *The Last Deglaciation: Absolute and Radiocarbon Chronologies*. NATO ASI Series, Series 1, Global Environmental Change, 2, 81-102, Springer Verlag.
- 「ゾウの足跡化石調査法」編集委員会 (1994) ゾウの足跡化石調査法. 128p, 地学団体研究会.