

## DENNIS V. KENT

Paleomagnetism Laboratory  
Lamont-Doherty Earth Observatory of Columbia University  
Palisades, NY 10964-8000 USA  
dvk@ldeo.columbia.edu

### EDUCATION

1974 Ph.D. (Marine Geology & Geophysics) Columbia University, NY  
1968 B.S. (Geology) City College of New York, NY

### APPOINTMENTS

2020– Board of Governor Professor Emeritus, Rutgers University  
2007–2020 Board of Governor Professor, Rutgers University  
2003 Gastprofessor, Institut für Geophysik, ETH, Zürich (also in 1982 and 1987)  
2003 Visiting Scholar, Scripps Institution of Oceanography, UCSD, La Jolla, CA  
1998–2007 Distinguished Professor, Department of Earth & Planetary Sciences, Rutgers University  
1998– Adjunct Senior Research Scientist, Lamont-Doherty Earth Observatory  
1993 Director of Research, Lamont-Doherty Earth Observatory  
1989–90 Interim Director, Lamont-Doherty Earth Observatory  
1987–89 Associate Director for Oceans & Climate, Lamont-Doherty Earth Observatory  
1987–98 Adjunct Professor, Dept. of Earth & Environmental Sciences, Columbia University  
1984–99 Doherty Senior Scientist, Lamont-Doherty Earth Observatory  
1981–87 Adjunct Associate Professor, Dept. of Geological Sciences, Columbia University  
1979–84 Senior Research Scientist, Lamont-Doherty Earth Observatory  
1974–79 Research Associate, Lamont-Doherty Earth Observatory, Columbia University

### PRINCIPAL RESEARCH INTERESTS

Paleomagnetism, geomagnetism, rock magnetism and their application to geologic problems. Current interests include astrochronometric polarity time scales; paleogeography, paleoclimatology and the long-term carbon cycle; paleointensity; magnetic properties of sediments and polar ice.

### HONORS

Fellow of the American Academy of Arts and Sciences (2012)  
Arduino Lecture, University of Padova (2010)  
William Gilbert Award, American Geophysical Union (2009)  
Petrus Peregrinus Medal, European Geosciences Union (2006)  
Docteur honoris causa, Sorbonne, Universities of Paris-IPGP (2005)  
Member of the U.S. National Academy of Sciences (2004)  
Board of Trustees Award for Excellence in Research, Rutgers University (2004)  
Arthur L. Day Medal, Geological Society of America (2003)  
Vening Meinesz Medal, Delft University, Holland (2003)  
Fellow of the American Association for the Advancement of Science (1993)  
Fellow of the American Geophysical Union (1991)  
Fellow of the Geological Society of America (1985)  
Original Member, ISI Highly Cited Researchers <<http://isihighlycited.com/>>; see also  
<[http://www.sciencewatch.com/nov-dec2001/sw\\_nov-dec2001\\_page1.htm](http://www.sciencewatch.com/nov-dec2001/sw_nov-dec2001_page1.htm)>  
Listed in Who's Who, Dictionary of International Biography, American Men and Women of Science.  
Scopus ID: 7202552559. ORCID ID: [orcid.org/0000-0002-7677-2993](http://orcid.org/0000-0002-7677-2993).

**PROFESSIONAL SERVICE**

Editorial Advisory Board, Earth and Planetary Science Letters (**2010-**).

American Association for the Advancement of Science: Member-at-Large, Section E (2014-2018).

AGU: President-elect and President, Geomagnetism and Paleomagnetism Section (1992–96); Edward A. Flinn Award Committee (Chair, 1992–94); Fellows Committee (1992–94; 1998–2000; Chair, 2000–2002).

Associate Editor: Journal of Geophysical Research (1981–83), Geophysical Research Letters (1984–87), Paleooceanography (1989–1996), Terra Nova (1997–1999),  $G^3$  (1999–2005).

Cooperative Institute for Deep Earth Research (CIDER), Steering Committee (2003–2006).

European Geophysical Union: Arthur Holmes Medal Committee (**2019-**).

Geological Society of America: Arthur L. Day Medal Committee (2004–2007).

Institute for Rock Magnetism (Minnesota), Review and Advisory Committee (1994–1999).

IODP Management International (IODP-MI): Board of Governors, Executive Committee (2003–2007), Alternate (2007-2013); 2<sup>nd</sup> Triennium Review Committee (2010).

Joint Oceanographic Institutions (JOI), Inc.: Board of Governors (1989–90; 1993; 1999–2007; Vice Chair, 2002–2004; Chair, 2004–2006).

Joint Oceanographic Institutions for Deep Earth Sampling (JOIDES): COSOD Working Group IV (1981); Ocean History Panel (1987–90); Executive Committee (1989–90; 1993; 1999–2003); COMPOST-II (1996–97); Extreme Climates Program Planning Group (1998–2000).

National Academy of Sciences: G. K. Warren Prize Committee (2013, Chair 2018).

National Research Council: Committee on the Importance of Deep-Time Geologic Records for Understanding Climate Change Impacts (2007–2011). Committee on Seismology and Geodynamics (COSG), NRC Board on Earth Sciences and Resources (2015-2016). Catalyzing Opportunities for Research in the Earth Sciences (CORES): A Decadal Survey for NSF's Division of Earth Sciences (**2018-**).

National Science Foundation, EAR Instrument & Facilities Panel (2001–2002), Geophysics Panel (2013).

Rutgers Univ.: Appointments and Promotions Committee (2007-2019); Research Council (2010-2019).

Subcommission on Triassic Stratigraphy (ICS/IUGS), Voting Member (**2001-**).

Subcommission on Neogene Stratigraphy (ICS/IUGS), Voting Member (1996-2020); Corresponding (**2021-**).

U.S. Continental Scientific Drilling Program, Forum Organizing Committee (1993–1995).

Visiting Committee, Department of Earth & Planetary Sciences, Harvard University (2003–2005).

Proposal reviewer for American Chemical Society (PRF), Deutsche Forschungsgemeinschaft (DFG), DOE, European Science Foundation, Guggenheim Foundation, International Science Foundation, NERC (UK), National Geographic Society, NASA, NSF, NSERC (Canada).

**INVITED TALKS**

UMass-Amherst; CUNY-Queens, Scripps Institution of Oceanography, Brown, U. Rhode Island, Institute of Geology-Beijing, Institute of Geology and Paleontology-Nanjing, Lehigh, Servicio Nacional de Geología y Minería-Santiago (Chile), Woods Hole Oceanographic Institution (Conoco Distinguished Lecturer, 1983), Rutgers U., U. Marseille-France, U. Cincinnati, U. Michigan (Turner/Conoco Distinguished Lecturer, 1985), Syracuse U., Penn. State U., U. Delaware, Florida International U., Northwestern, Cornell, Franklin and Marshall College, U. Utrecht-Holland. 2001: U. Wyoming (Distinguished Lecturer). 2003: Ludwig-Maximilians-Universität Munich, U. Milan-Italy, ETH-Zurich, UCSD-Scripps, Delft U.-Holland (Vening Meinesz Lecture). 2004: Tohoku U.-Japan, ETH-Zurich, U. Minnesota, SUNY Stony Brook, GFZ-Potsdam, LDEO. 2005: U. Bremen, IPG-Paris, U. Florida, MIT. 2006: Yale, Braunschweig, Ludwig-Maximilians-Universität Munich, LDEO. 2008: Brown, LDEO, Institute of Geology & Geophysics-Beijing (Lecture Series), Rice, Texas A&M U., Princeton, Harvard. 2009: Florida International U., Rutgers, SUNY-Stony Brook. 2010: Yale, U. Padova (Arduino Lecture), CUNY-Brooklyn. 2011: Syracuse U., U. Minnesota, Rutgers. 2013: UCSD-Scripps, Institute of Earth Environment-Xi'an, Institute of Geology & Geophysics-Beijing. 2014: MIT, Franklin Institute. 2015: U. Oslo, U. Michigan, U. Maine,

U. Milan. 2016: LDEO, U. Oslo. 2017: U. Florida, Atmospheric Sciences Res. Ctr. in Albany NY, U. Utrecht, Tenerife. 2019: DTM-CIS-D.C., U. Milan, Ludwig-Maximilians-Universitaet Munich.

American Geophysical Union, Geological Society of America, Joint Oceanographic Assembly, Geological Society of London, Geological Society of Australia, United Kingdom Geophysical Assembly, Royal Society, European Geophysical Society, European Geophysical Union, Society of Vertebrate Paleontology, Beijing Earth and Planetary Interior Symposium, Strati2019.

## PH.D. COMMITTEES

### Department of Earth and Environmental Sciences, Columbia University:

- 1982 Donald Prothero (Reader): Magnetostratigraphy and Mammalian Biostratigraphy: Testing the Isochroneity of Mammalian Biostratigraphic Events.
- 1983 Lisa Tauxe (Academic & Research Advisor): Rock Magnetism and Paleomagnetism of Miocene Fluvial Sediments in Northern Pakistan.
- 1983 John J. Flynn (Reader): Correlation and Geochronology of Middle Eocene Strata from the Western United States.
- 1983 Muhammed J. Khan (Academic Advisor): Magnetostratigraphy of Neogene and Quaternary Siwalik Group Sediments of the Trans-Indus Salt Range, Northwestern Pakistan.
- 1983 Steven Marshak (Reader): Aspects of Deformation in Carbonate Rocks of Fold-thrust Belts of Central Italy and Eastern New York State.
- 1984 Dann J. Spariosu (Academic & Research Advisor): Paleomagnetic Investigations of Northern Appalachian Terrane History during the Middle to Late Paleozoic.
- 1984 Bradford M. Clement (Academic & Research Advisor): Details of Geomagnetic Polarity Transitions as Recorded in Deep-Sea Sediments.
- 1988 John D. Miller (Academic & Research Advisor): Paleomagnetism Applied to Tectonic Problems in the Appalachians of North America.
- 1989 Ann M. Grunow (Research Advisor): Aspects of the Evolution of the West Antarctic Margin of Gondwanaland.
- 1989 Carol A. Raymond (Academic Advisor): Satellite Elevation Magnetic Anomalies and Their Use in Tectonic Studies.
- 1989 David A. Schneider (Academic & Research Advisor): Time-Averaged Paleomagnetic Field of the Plio-Pleistocene from Deep-Sea Sediments.
- 1991 William K. Witte (Academic & Research Advisor): Paleomagnetism of Late Triassic and Earliest Jurassic Rocks of the Newark Basin: Paleomagnetic Poles and Magnetostratigraphy.
- 1992 Mickey C. Van Fossen (Academic & Research Advisor): Studies in Jurassic Through Cretaceous North American Apparent Polar Wander.
- 1993 Kim Kane (Reader): Long-Lived Segmentation of the Mid-Ocean Ridge.
- 1995 Vic DiVenere (Academic & Research Advisor): Paleomagnetic Results from Marie Byrd Land, West Antarctica: Tectonic Implications for West Antarctica and the Atlantic-Pacific Plate Circuit.
- 1995 Dan Bryant (Reader): Oxygen Isotope Systematics in Mammalian Body Water and in Modern and Fossil Equid Tooth Enamel Phosphate.
- 1999 Peter M. LeTourneau (Research Advisor): Depositional History and Tectonic Evolution of Late Triassic Age Rifts of the U.S. Central Atlantic Margin: Results of an Integrated Stratigraphic, Structural and Paleomagnetic Analysis of the Taylorsville and Richmond Basins.
- 2000 Linda Sohl (Research Advisor): Paleoclimatology of the Neoproterozoic Interglacial to Marinoan Glacial Succession (~650-675 Ma), Central Flinders Ranges, South Australia.
- 2006 Susan H. Zimmerman (Research Advisor): Chronology and Paleoclimate Records of the Late Pleistocene Wilson Creek Formation at Mono Lake, California Lake.

2008 Greg Downing (Reader): Investigating the onset of Hudson Strait Heinrich Events in the Late Pleistocene.

**Department of Earth & Planetary Sciences, Rutgers University:**

- 2002 Benjamin S. Cramer (Research Advisor): Milankovitch versus the comet: cyclic and catastrophic climate forcing at the Paleocene/Eocene boundary.
- 2012 Morgan F. Schaller (Academic & Research Advisor): Large Igneous Provinces and Earth's carbon cycle: Lessons from the Late Triassic and rapidly emplaced Central Atlantic Magmatic Province.
- 2013 Huapei Wang (Academic & Research Advisor): Paleomagnetic Direction and Paleointensity Studies on Pliocene-Pleistocene Lava Flows from the Galapagos Islands.

**External Committees:**

- 1981 Tullis Onstott (Princeton Univ.): Paleomagnetism of the Guyana Shield, Venezuela and Its Implication Concerning Proterozoic Tectonics of South America and Africa.
- 1986 Jean Besse (IPG Paris): Cinematiques des Plaques et Derive des Poles Magnetiques: Evolution de la Tethys, Collisions Continentals et Couplage Noyeau-Manteau.
- 1987 D.N. Douglass (Dartmouth College): Geology and Paleomagnetism of Three Old Red Sandstone Basins: Spitsbergen, Norway and Scotland.
- 1988 Z.X. Li (Macquarie Univ.): Palaeozoic Paleomagnetism of Australia: Tectonic Significance and Comparison with South China
- 1990 C.A. Burns (Univ. of Delaware): The Australasian Microtektite Layer: Implications concerning its source area and its relationship to the Brunhes/Matuyama geomagnetic reversal.
- 1993 Z. Chen (Univ. of Western Australia): Late Devonian-Early Carboniferous Palaeomagnetism of Australia and Tectonic Significance.
- 1994 Peter Sugarman (Rutgers Univ.): Strontium Isotope and Sequence Stratigraphy of the Uppermost Campanian-Maestrichtian and Miocene, New Jersey Coastal Plain.
- 1994 Giovanni Muttoni (Università degli studi di Milano): Analisi Paleomagnetica di Sezioni Stratigrafiche Significative del Triassico Inferiore e Medio Della Tetide.
- 1994 Xavier Quidelleur (IPG Paris): Nature et Fidelité du Message Paleomagnétique des Inversions et de la Paléovariation Séculaire.
- 1995 Joseph Stoner (Université du Québec à Montréal): Magnetic Properties and Paleointensity Records from late Quaternary Labrador Sea Sediments.
- 1996 Ann Hirt (ETH, Zurich): The Role of Phyllosilicates in Chemical Remagnetization (Habilitationsschrift).
- 1996 Wout Krijgsman (Utrecht Univ.): Miocene Magnetostratigraphy and Cyclostratigraphy in the Mediterranean: Extension of the Astronomical Polarity Time Scale.
- 1997 Yves Gallet (IPG Paris): Apport de la Magnetostratigraphie à l'Étude des Inversions du Champ Magnétique Terrestre (Habilitation).
- 1998 Y. Kok (Utrecht Univ.): Relative paleointensities of the Earth's magnetic field derived from deep-sea sediments.
- 1998 Julie Carlu (IPG Paris): Une étude du champ magnétique terrestre sur les 5 derniers millions d'années.
- 2000 R. Cottrell (Univ. of Rochester): Late Cretaceous Paleomagnetism: Tectonic, Paleoclimatic and Geomagnetic Implications
- 2000 R.J. Geeve (Univ. of New South Wales): Paleomagnetism of the southern Tamworth Belt
- 2000 N. van Vugt (Utrecht Univ.): Orbital forcing in late Neogene lacustrine basins from the Mediterranean basin.
- 2002 Kari Lyn Anderson (Macquarie Univ.): Palaeozoic East Gondwana: Palaeomagnetic Investigations of Queensland.

- 2007 Pavel Doubrovine (Rochester Univ.): Paleomagnetism and rock magnetism of oceanic basalts: From remanence acquisition to the motion of mantle hot spots and plates.
- 2008 Dario Bilardello (Lehigh Univ.): Correcting for paleomagnetic inclination shallowing in Carboniferous red beds from the Maritime Provinces of Canada.
- 2010 Edoardo Dallanave (Univ. of Padova): Magnetostratigraphy and rock-magnetism of Paleogene sections from the Venetian Alps (Italy).
- 2010 Martijn Deenen (Utrecht Univ.): A new chronology for the late Triassic to early Jurassic.
- 2011 Johannes de Leeuw (Utrecht Univ.): Paleomagnetic and geochronologic constraints on the Miocene evolution of semi-isolated basins in southeastern Europe.
- 2016 Lara Sciscio (Univ. of Cape Town): Position of the Triassic-Jurassic boundary in South Africa and Lesotho: a multidisciplinary approach aimed at improving the chronostratigraphy and biostratigraphy of the Elliot Formation, Stormberg Group.
- 2017 Edoardo Monesi (Univ. of Milan): Magnetostratigraphic data on the first colonization of Europe by early hominins during the late Early Pleistocene
- 2019 Lydian Boschman (Utrecht University): Reconstructing lost plates of the Panthalassa Ocean

#### **POST-DOCTORAL RESEARCH SCIENTISTS & VISITING SCHOLARS**

- 1980 Jean Besse (now at IPG Paris, France)
- 1988 Pierre Rochette (now at University of Aix-Marseille III, France)
- 1989 In Soo Kim (now at Pusan National University, South Korea)
- 1991 David Schneider (now at IEEE, Piscataway, NJ)
- 1991-93 William Witte (now at University of Alaska, Fairbanks, AK)
- 1991-94 Jeff Gee (now at Scripps Institution of Oceanography, La Jolla, CA)
- 1995 Giovanni Muttoni (now at University of Milan, Italy)
- 1999-01 Julie Carlut (now at IPG Paris, France)
- 2000-01 Luca Lanci (now at University of Urbino, Italy)
- 2015-17 Roger Fu (now at Harvard University)
- 2016-17 Hong Ao (Visiting Scholar, Chinese Academy of Sciences, Xi'an)

#### **COURSES & SEMINARS**

##### **Department of Earth and Environmental Sciences, Columbia University:**

Paleomagnetism (W4901). Fall 1980, Fall 1982, Fall 1984, Fall 1986, Fall 1988, Fall 1991.  
Magnetization of the Oceanic Crust and Ridge Crest Processes (G9901). Fall 1987.  
Plate Velocities Over Geologic Time (G9901). Fall 1989.  
History of Earth's Magnetic Field (G6947). Spring 1994, Fall 1996.  
Geomagnetic Reversals and Associated Phenomena (G9901). Spring 1996.

##### **Department of Earth & Planetary Sciences, Rutgers University:**

Evolution of Earth's Magnetic Field (460:611). Spring 2004.  
Graduate Research Seminar (460:612). Spring 2001; Fall 2001, 2002, 2003, 2005.  
Earth System History (460:102). Fall 2000, 2001, 2002, 2003, 2006.  
Earth and Life Through Time (460:212). Fall 2007, 2008, 2009, 2010, 2011, 2014, 2016; Spring 2018.  
Sedimentary Geology (460:505). Spring 2000, 2002.  
Earth Science Colloquium (460:356). Spring 2000, Fall 2007.  
Seminar in Paleomagnetism (460:611). Spring 1999.  
Geodynamics (460:570). Spring 1999, 2001.  
Honors Introductory Geology Lab (460:105). Spring 1999.  
Seminar: Quaternary geochronology and geomagnetism (460:613/617). Spring 2006.  
Seminar: CAMP: Anatomy of a Large Igneous Province (460:613). Spring 2008.

- Seminar: Climate and geomagnetism: Is there a relationship? (460:613). Spring 2009.  
Seminar: Mesozoic and Cenozoic Time Scale (460:613). Spring 2010.  
Seminar: Abrupt geomagnetic changes (460:613). Spring 2011.  
Seminar: Evolution of the global carbon cycle (460:613). Spring 2012.  
Seminar: Geomagnetic polarity time scale and the geohistorical record (460:613). Spring 2013.  
Seminar: Mass Extinctions: Correlations & Causes (460:613). Spring 2015.  
Seminar: Paleocene-Eocene thermal maximum (460:613). Spring 2016.  
Seminar: Astrochronostratigraphic polarity time scale (460:613). Spring 2017.  
Seminar: Tectonics and climate (460:613). Fall 2017.  
Seminar: Plate tectonics and the CO<sub>2</sub> paradigm for climate change (460:613). Fall 2019.

**Institut für Geophysik, ETH, Zürich:**

- Source of Marine Magnetic Anomalies. Summer 1982.  
Special Topics in Paleomagnetism. Summer 1997.  
Magnetostratigraphy, sea-level variations, true polar wander and comet impacts. Spring 2003.

**FIELD EXPERIENCE**

**Ship Cruises**

- 1968 R/V Vema (V2602) Bermuda to Bermuda  
1969 R/V Vema (V2801) New York to Reykavik  
1970 R/V Eastward: Barbados to Jamaica  
1971 R/V Vema (V2812) Fiji to Fiji (co-Chief Scientist)  
1971 R/V Vema (V2813) Fiji to Guam (co-Chief Scientist)  
1979 D/V Glomar Challenger: Leg 68 (Curacao-Panama-Ecuador)  
2007 R/V Melville: Magellan12 (Brisbane-Wellington-Pago Pago)

**Field Sampling**

- 1970- Caribbean (Barbados, Haiti, Jamaica), Japan (Honshu, Hokkaido), North America (e.g., Appalachians, Llano uplift, Rockies, Colorado Plateau, Sierra Nevada, Newark basins), Mediterranean (Santorini, Sicily, Hydra, Pantelleria), Europe (Slovakia, Spain, France, Greece, Italy), Africa (Mauritania, Morocco, Egypt, Kenya, Sao Tome), People's Republic of China (Yangtze platform), South America (Venezuela, Chile, Argentina), Australia (Lachlan foldbelt), New Zealand (South Island), Greenland (Jameson Land, three expeditions).

## DENNIS V. KENT

## LIST OF PUBLICATIONS

**PhD Dissertation**

**Kent, D.V.**, 1974, Magnetic properties and magnetic mineralogy of deep-sea sediments, Columbia University, New York, 279 p.

**Edited Volumes**

**Kent, D.V.** and M. Krs (editors), 1987, Laurasian paleomagnetism and tectonics, *Tectonophysics* (special issue), *139* (1/2).

Berggren, W.A. and **D.V. Kent** (editors), 1988, Cenozoic time scales, *Paleoceanography*, *3* (2).

Berggren, W.A., **D.V. Kent**, M.P. Aubry and J. Hardenbol (editors), 1995, Geochronology, Time Scales and Global Stratigraphic Correlations, *SEPM Special Publication 54*, 386p.

Gubbins, D., **D.V. Kent** and C. Laj (editors), 2000, Geomagnetic polarity reversals and long-term secular variation, *Philosophical Transactions Royal Society of London A358*, 889–1223.

Channell, J.E.T., **D.V. Kent**, W. Lowrie and J. Meert (editors), 2004, Timescales of the Paleomagnetic Field, *AGU Geophysical Monograph 145*, 328p.

**Journal or Book Articles**

1. **Kent, D.**, N.D. Opdyke and M. Ewing, 1971, Climate change in the North Pacific using ice-rafted detritus as a climatic indicator, *Geological Society of America Bulletin*, *82*, 2741–2754.
2. **Kent, D.V.**, 1973, Paleomagnetism of some Neogene sedimentary rocks on Oga Peninsula, Japan, *Journal of Geomagnetism and Geoelectricity*, *25*, 87–103.
3. **Kent, D.V.**, 1973, Post-depositional remanent magnetization in deep-sea sediment, *Nature*, *246*, 32–34.
4. Opdyke, N.D., **D.V. Kent** and W. Lowrie, 1973, Details of magnetic polarity transitions recorded in a high deposition rate deep sea core, *Earth and Planetary Science Letters*, *20*, 315–324.
5. **Kent, D.V.** and W. Lowrie, 1974, Origin of magnetic instability in cores from the central North Pacific, *Journal of Geophysical Research*, *79*, 2987–3000.
6. Johnson, H.P., W. Lowrie and **D.V. Kent**, 1975, Stability of anhysteretic remanent magnetization in fine and coarse magnetite and maghemite particles, *Geophysical Journal of the Royal Astronomical Society*, *41*, 1–10.
7. **Kent, D.V.**, 1975, Post-depositional detrital remanent magnetism in reconstituted deep sea sediment, in *Proceedings Takesi Nagata Conference* (June 1974, Univ. of Pittsburgh, Pittsburgh), 85–95.
8. **Kent, D.V.** and W. Lowrie, 1975, On the magnetic susceptibility anisotropy of deep sea sediment, *Earth and Planetary Science Letters*, *28*, 1–12.
9. Cande, S.C. and **D.V. Kent**, 1976, Constraints imposed by the shape of marine magnetic anomalies on the magnetic source, *Journal of Geophysical Research*, *81*, 4157–4162.
10. Lowrie, W. and **D.V. Kent**, 1976, Viscous remanent magnetization in basalt samples, *Initial Reports of the Deep Sea Drilling Project*, *34*, 479–484.
11. LaBrecque, J.L., **D.V. Kent** and S.C. Cande, 1977, Revised magnetic polarity time scale for the Late Cretaceous and Cenozoic, *Geology*, *5*, 330–335.

12. **Kent, D.V.**, 1977, An estimate of the duration of the faunal change at the Cretaceous/Tertiary boundary, *Geology*, 5, 769–771.
13. **Kent, D.V.** and W. Lowrie, 1977, Magnetic properties of igneous rock samples from Leg 37, *Initial Reports of the Deep Sea Drilling Project*, 37, 525–530.
14. **Kent, D.V.** and N.D. Opdyke, 1977, Paleomagnetic field intensity variation recorded in a Brunhes epoch deep sea sediment core, *Nature*, 266, 156–159.
15. Ujiie, H., T. Saito, **D.V. Kent**, P.R. Thompson, H. Okada, G. de Vries Klein, I. Koizumi, H. E. Harper and T. Sato, 1977, Biostratigraphy, paleomagnetism and sedimentology of Late Cenozoic sediments in northwestern Hokkaido, Japan: *Bulletin of the National Science Museum, Series C (Geology)*, 3, 49–102.
- Kent, D.V.**, 1978, Anisotropy in sediments, in Fairbridge, R.W. and Bourgeois, J. (editors), *Encyclopedia of Sedimentology (Volume VIA)* (Dowden, Hutchinson & Ross, Stroudsburg), 13–14.
- Kent, D.V.**, 1978, Remanent magnetism in sediment, in Fairbridge, R.W. and Bourgeois, J. (editors), *Encyclopedia of Sedimentology (Volume VIA)* (Dowden, Hutchinson & Ross, Stroudsburg), 617.
16. **Kent, D.V.**, B.M. Honnorez, N.D. Opdyke and P.J. Fox, 1978, Magnetic properties of dredged oceanic gabbros and the source of marine magnetic anomalies, *Geophysical Journal of the Royal Astronomical Society*, 5, 513–537.
17. **Kent, D.V.** and N.D. Opdyke, 1978, Paleomagnetism of the Devonian Catskill Red Beds: Evidence for motion of the coastal New England-Canadian Maritime region relative to cratonic North America, *Journal of Geophysical Research*, 83, 4441–4450.
18. **Kent, D.V.** and N.D. Opdyke, 1978, Paleomagnetism and magnetic properties of igneous rock samples—Leg 38, *Initial Reports of the Deep Sea Drilling Project*, 38 (Supplement), 3–8.
19. **Kent, D.V.** and L.P. Tsai, 1978, Paleomagnetism and rock magnetism of Upper Jurassic limestone and basalt from Site 367, *Initial Reports of the Deep Sea Drilling Project*, 41 (Supplement), 995–1002.
20. Lowrie, W. and **D.V. Kent**, 1978, Characteristics of viscous remanent magnetization in oceanic basalts, *Journal of Geophysics*, 44, 297–315.
21. **Kent, D.V.**, 1979, Paleomagnetism of the Devonian Onondaga Limestone revisited, *Journal of Geophysical Research*, 84, 3576–3588.
22. **Kent, D.V.** and N.D. Opdyke, 1979, The Early Carboniferous paleomagnetic field of North America and its bearing on tectonics of the northern Appalachians, *Earth and Planetary Science Letters*, 44, 365–372.
23. Alvarez, W., **D.V. Kent**, I. Premoli Silva, R.A. Schweickert and R.L. Larson, 1980, Franciscan Complex limestone deposited at 17° south paleolatitude, *Geological Society of America Bulletin*, 91, 476–484.
24. **Kent, D.V.** and N.D. Opdyke, 1980, Paleomagnetism of Siluro-Devonian rocks from eastern Maine, *Canadian Journal of Earth Sciences*, 17, 1653–1665.
25. Prell, W. L., J. V. Gardner, C. Adelseck, G. Blechschmidt, A. J. Fleet, Keigwin, L.D., **D.V. Kent**, M. T. Ledbetter, U. Mann, L. Mayer, W. R. Reidel, C. Sancetta, D. Spariosu and H. B. Zimmerman, 1980, Hydraulic piston coring of late Neogene and Quaternary sections in the Caribbean and equatorial Pacific: Preliminary results of Deep Sea Drilling Project Leg 68: *Geological Society of America Bulletin*, 91, 433–444.
26. Tauxe, L., **D.V. Kent** and N.D. Opdyke, 1980, Magnetic components contributing to the NRM of Middle Siwalik redbeds, *Earth and Planetary Science Letters*, 47, 279–284.
27. **Kent, D.V.**, 1981, Asteroid extinction hypothesis (Letter), *Science*, 211, 648.



28. **Kent, D.V.** and M.R. Maurrasse, 1981, Paleomagnetic results from the Cretaceous Dumisseau Formation of Haiti, *Publications, Trans. du Premiere Colloque sur la Geologie d'Haiti, Port-au-Prince* (Mars 1980, Publ. Henri Deschamps), 236–244.
29. **Kent, D.V.**, D. Ninkovich, T. Pescatore and R.S.J. Sparks, 1981, Paleomagnetic determination of emplacement temperature of the Vesuvius 79 A.D. pyroclastic deposit, *Nature*, 290, 393–396.
30. Clement, B.M., **D.V. Kent** and N.D. Opdyke, 1982, Brunhes-Matuyama transition in three deep sea sediment cores, *Philosophical Transactions of the Royal Society of London A306*, 113–119.
31. **Kent, D.V.**, 1982, Apparent correlation of paleomagnetic intensity and climatic records in deep sea sediments, *Nature*, 299, 538–540.
32. **Kent, D.V.**, 1982, Paleomagnetic evidence for post-Devonian displacement of the Avalon Platform (Newfoundland), *Journal of Geophysical Research*, 87, 8709–8716.
33. **Kent, D.V.** and N.D. Opdyke, 1982, Paleomagnetism of Siluro-Devonian rocks from eastern Maine: Reply to Comment by J. Roy, *Canadian Journal of Earth Sciences*, 19, 232–237.
34. **Kent, D.V.** and D.J. Spariosu, 1982, Magnetostratigraphy of Caribbean Site 502 hydraulic piston cores, *Initial Reports of the Deep Sea Drilling Project*, 68, 419–433.
35. **Kent, D.V.** and D.J. Spariosu, 1982, Magnetostratigraphy of equatorial Pacific Site 503 hydraulic piston cores, *Initial Reports of the Deep Sea Drilling Project*, 68, 435–440.
36. Prell, W. L., J. V. Gardner, C. G. Adelseck, G. Blechschmidt, A. J. Fleet, L. D. Keigwin, **D.V. Kent**, M. T. Ledbetter, U. Mann, L. A. Mayer, W. R. Riedel, C. Sancetta, D. J. Spariosu and H. B. Zimmerman, 1982, Site 502: Colombia Basin, western Caribbean: *Initial Reports of the Deep Sea Drilling Project*, 68, 15–162.
37. Prell, W. L., J. V. Gardner, C. G. Adelseck, G. Blechschmidt, A. J. Fleet, L. D. Keigwin, **D.V. Kent**, M. T. Ledbetter, U. Mann, L. A. Mayer, W. R. Riedel, C. Sancetta, D. J. Spariosu and H. B. Zimmerman, 1982, Site 503: Eastern Equatorial Pacific: *Initial Reports of the Deep Sea Drilling Project*, 68, 163–242.
38. **Kent, D.V.**, 1983, Geomagnetic excursions and climate change: Reply to Comment by M.R. Rampino, *Nature*, 302, 455.
39. **Kent, D.V.** and D.J. Spariosu, 1983, High resolution magnetostratigraphy of Caribbean Plio-Pleistocene deep sea sediments, *Palaeogeography, Palaeoclimatology, Palaeoecology*, 42, 47–64.
40. Lowrie, W. and **D.V. Kent**, 1983, Geomagnetic reversal frequency since the Late Cretaceous, *Earth and Planetary Science Letters*, 62, 305–313.
41. Spariosu, D.J. and **D.V. Kent**, 1983, Paleomagnetism of the Lower Devonian Traveler Felsite and the Acadian orogeny in the New England Appalachians, *Bulletin of the Geological Society of America*, 94, 1319–1328.
42. Clement, B.M. and **D.V. Kent**, 1984, A detailed record of the Lower Jaramillo polarity transition from a southern hemisphere deep sea sediment core, *Journal of Geophysical Research*, 89, 1049–1058.
43. Clement, B.M. and **D.V. Kent**, 1984, Latitudinal dependency of geomagnetic polarity transition durations, *Nature*, 310, 488–491.
44. **Kent, D.V.**, O. Dia and J. Sougy, 1984, Paleomagnetism of Lower-Middle Devonian Rocks and Upper Proterozoic-Cambrian(?) Rocks from Mejeria (Mauritania, West Africa), *American Geophysical Union Geodynamics Series*, 12, 99–115.
45. **Kent, D.V.**, M.C. McKenna, N.D. Opdyke, J.J. Flynn and B.J. MacFadden, 1984, Arctic biostratigraphic heterochroneity (Technical Comment), *Science*, 224, 173–174.

46. Shackleton, N.J., J. Backman, H. Zimmerman, **D.V. Kent**, M.A. Hall, D.G. Roberts, D. Schnitker, J.G. Baldauf, A. Desprairies, R. Homrighausen, P. Huddlestun, J.B. Keene, A.J. Kaltenback, K.A. O. Krumsiek, A.C. Morton, J.W. Murray and J. Westberg-Smith, 1984, Oxygen isotope calibration of the onset of ice-rafting and history of glaciation in the North Atlantic region, *Nature*, 307, 620–623.
47. Shor, A.N., **D.V. Kent** and R.D. Flood, 1984, Contourite or Turbidite? Magnetic fabric of fine-grained Quaternary sediments, Nova Scotia continental rise, in D.A.V. Stow and D.J.W. Piper (editors), *Fine-Grained Sediments: Deep Water Processes and Facies* (Geological Society London), 257–274.
48. Spariosu, D.J., **D.V. Kent** and J.D. Keppie, 1984, Late Paleozoic motions of the Meguma Terrane, Nova Scotia: New paleomagnetic evidence, *American Geophysical Union Geodynamics Series*, 12, 82–98.
49. Tauxe, L. and **D.V. Kent**, 1984, Properties of a detrital remanence carried by hematite from study of modern river deposits and laboratory redeposition experiments, *Geophysical Journal of the Royal Astronomical Society*, 76, 543–561.
50. Zimmerman, H.B., N.J. Shackleton, J. Backman, **D.V. Kent**, J.G. Baldauf, A. J. Kaltenback and A. C. Morton, 1984, History of Plio-Pleistocene climate in the northeastern Atlantic, DSDP Site 552A, *Initial Reports of the Deep Sea Drilling Project*, 81, 861–876.
51. Berggren, W.A., **D.V. Kent** and J.J. Flynn, 1985, Paleogene geochronology and chronostratigraphy, *Geological Society of London Memoir 10*, 141–186.
52. Berggren, W.A., **D.V. Kent**, J.J. Flynn and J.A. Van Couvering, 1985, Cenozoic geochronology, *Geological Society of America Bulletin*, 96, 1407–1426.
53. Berggren, W.A., **D.V. Kent** and J. Van Couvering, 1985, Neogene geochronology and chronostratigraphy, *Geological Society London Memoir 10*, 211–260.
54. Bogen, N.L., **D.V. Kent** and R.A. Schweickert, 1985, Paleomagnetism of Jurassic rocks in the western Sierra Nevada metamorphic belt and its bearing on the structural evolution of the Sierra Nevada block, *Journal of Geophysical Research*, 90, 4627–4638.
55. Cande, S.C. and **D.V. Kent**, 1985, Tectonic rotations and marine magnetic anomalies, *Journal of Geophysical Research*, 90, 4647–4651.
56. Clement, B.M. and **D.V. Kent**, 1985, A comparison of two sequential geomagnetic polarity transitions (upper Olduvai and lower Jaramillo) from the southern hemisphere, *Physics of the Earth and Planetary Interiors*, 39, 301–313.
57. Flood, R.D., **D.V. Kent**, A.N. Shor and F.R. Hall, 1985, The magnetic fabric of surficial sediments in the HEBBLE area (Nova Scotian continental rise), *Marine Geology*, 66, 149–167.
58. **Kent, D.V.**, 1985, Statistical structure of geomagnetic reversals, *Nature*, 313, 15.
59. **Kent, D.V.**, 1985, Paleocoastal setting for the Catskill Delta, *Geological Society America Special Paper 201*, 9–13.
60. **Kent, D.V.**, 1985, Thermoviscous remagnetization in some Appalachian limestones, *Geophysical Research Letters*, 12, 805–808.
61. **Kent, D.V.** and F.M. Gradstein, 1985, A Cretaceous and Jurassic geochronology, *Geological Society of America Bulletin*, 96, 1419–1427.
62. **Kent, D.V.** and N.D. Opdyke, 1985, Multicomponent magnetizations from the Mississippian Mauch Chunk Formation of the central Appalachians and their tectonic implications, *Journal of Geophysical Research*, 90, 5371–5383.

63. Khan, M.J., **D.V. Kent** and K.G. Miller, 1985, Magnetostratigraphy of Oligocene to Pleistocene sediments at Holes 558, 558A and 563, *Initial Reports of the Deep Sea Drilling Project*, 82, 385–392.
64. Miller, K.G., M.-P. Aubry, M.J. Khan, A.J. Melillo, **D.V. Kent** and W.A. Berggren, 1985, Oligocene-Miocene bio-, magneto- and isotopic stratigraphy of the western North Atlantic, *Geology*, 13, 257–261.
65. Raisbeck, G.M., F. Yiou, D. Bourles and **D.V. Kent**, 1985, Evidence for an increase in cosmogenic  $^{10}\text{Be}$  during a geomagnetic reversal, *Nature*, 315, 315–317.
66. Huang, K., N.D. Opdyke, **D.V. Kent**, G. Xu and R. Tang, 1986, Further paleomagnetic results from the Permian Emeishan basalt in SW China, *Kexue Tongbao*, 31, 1195–1201. [Also published in Chinese under the title: Some new paleomagnetic results on Permian Basalts from Emei Mountain (Sichuan Province, China), *Science Bulletin*, 4, 133–135.]
67. **Kent, D.V.** and F.M. Gradstein, 1986, A Jurassic to Recent chronology, in P.R. Vogt and B.E. Tucholke (editors), *The Western North Atlantic Region, Geology of North America Volume M* (Geological Society America, Boulder), 45–50.
68. **Kent, D.V.**, G. Xu, K. Huang, W.Y. Zhang and N.D. Opdyke, 1986, Paleomagnetism of Upper Cretaceous rocks from South China, *Earth and Planetary Science Letters*, 79, 179–184.
69. Miller, J.D. and **D.V. Kent**, 1986, Synfolding and pre-folding magnetizations in the Upper Devonian Catskill Formation of eastern Pennsylvania, *Journal of Geophysical Research*, 91, 12791–12803.
70. Miller, J.D. and **D.V. Kent**, 1986, Paleomagnetism of the Upper Devonian Catskill Formation from the southern limb of the Pennsylvania salient: Possible evidence of oroclinal rotation, *Geophysical Research Letters*, 13, 1173–1176.
71. Opdyke, N.D., K. Huang, G. Xu, W.Y. Zhang and **D.V. Kent**, 1986, Paleomagnetic results from the Triassic of the Yangtze Platform, *Journal of Geophysical Research*, 91, 9553–9568.
72. Schneider, D.A. and **D.V. Kent**, 1986, Influence of non-dipole field on determination of Plio-Pleistocene true polar wander, *Geophysical Research Letters*, 13, 471–474.
73. Clement, B.M. and **D.V. Kent**, 1987, Short polarity intervals within the Matuyama: transition field records from hydraulic piston cored sediments from the North Atlantic, *Earth and Planetary Science Letters*, 81, 253–264.
74. Clement, B.M. and **D.V. Kent**, 1987, Geomagnetic polarity transition records from five hydraulic piston core sites in the North Atlantic, *Initial Reports of the Deep Sea Drilling Project*, 94, 831–852.
75. Forsythe, R.D., **D.V. Kent**, C. Mpodozis and J. Davidson, 1987, Paleomagnetism of Permian and Triassic Rocks, Central Chilean Andes, *AGU Geophysical Monograph* 40, 241–252.
76. Grunow, A.M., I.W.D. Dalziel and **D.V. Kent**, 1987, Ellsworth-Whitmore Mountains Crustal Block, Western Antarctica: New paleomagnetic results and their tectonic significance, *AGU Geophysical Monograph* 40, 161–171.
77. Grunow, A.M., **D.V. Kent** and I.W.D. Dalziel, 1987, Mesozoic evolution of West Antarctica and the Weddell Sea Basin: New paleomagnetic constraints, *Earth and Planetary Science Letters*, 86, 16–26.
78. Keigwin, L.D., M.-P. Aubry and **D.V. Kent**, 1987, North Atlantic Late Miocene stable-isotope stratigraphy, biostratigraphy and magnetostratigraphy, *Initial Reports of the Deep Sea Drilling Project*, 94, 935–963.
79. **Kent, D.V.** and S.R. May, 1987, Polar wander and paleomagnetic reference pole controversies, *Reviews of Geophysics*, 25, 961–970.
80. **Kent, D.V.** and J.D. Miller, 1987, Redbeds and thermoviscous magnetization theory, *Geophysical Research Letters*, 14, 327–330.

81. **Kent, D.V.**, X. Zeng, W.Y. Zhang and N.D. Opdyke, 1987, Widespread Late Mesozoic to Recent remagnetization of Paleozoic and Lower Triassic sedimentary rocks from South China, *Tectonophysics*, 139, 133–143.
82. McFadden, P.L., R.T. Merrill, W. Lowrie and **D.V. Kent**, 1987, The relative stabilities of the reverse and normal polarity states of the Earth's magnetic field, *Earth and Planetary Science Letters*, 82, 373–383.
83. Miller, K.G. and **D.V. Kent**, 1987, Testing Cenozoic eustatic changes: The critical role of stratigraphic resolution, *Cushman Foundation for Foraminiferal Research, Special Publication 24*, 51–56.
84. Opdyke, N.D., K. Huang, G. Xu, W.Y. Zhang and **D.V. Kent**, 1987, Paleomagnetic results from the Silurian of the Yangtze Paraplatform, *Tectonophysics*, 139, 123–132.
85. Aubry, M.-P., W.A. Berggren, **D.V. Kent**, J.J. Flynn, K.D. Klitgord, J.D. Obradovich and D.R. Prothero, 1988, Paleogene geochronology: An integrated approach, *Paleoceanography*, 3, 707–742.
86. Briden, J.C., **D.V. Kent**, P.L. Lapointe, R.A. Livermore, J.L. Roy, M.K. Seguin, A.G. Smith, R. Van der Voo and D.R. Watts, 1988, Paleomagnetic constraints on the evolution of the Caledonian-Appalachian Orogen, *Geological Society London, Special Publication 38*, 35–48.
87. Gradstein, F., F.P. Agterberg, M.-P. Aubry, W.A. Berggren, J.J. Flynn, R. Hewitt, **D.V. Kent**, K.D. Klitgord, K.G. Miller, J. Obradovich, J.G. Ogg, D.R. Prothero and G.E.G. Westermann, 1988, Sea-level history (Technical Comment), *Science*, 241, 599–601.
88. **Kent, D.V.**, 1988, Further paleomagnetic evidence for oroclinal rotation in the central folded Appalachians from the Bloomsburg and the Mauch Chunk formations, *Tectonics*, 7, 749–760.
89. **Kent, D.V.** and J.D. Keppie, 1988, Silurian-Permian paleocontinental reconstructions and circum-Atlantic tectonics, *Geological Society London, Special Publication 38*, 469–480.
90. **Kent, D.V.** and J.D. Miller, 1988, New perspectives from paleomagnetism: Paleozoic drift and Appalachian tectonics, *Lamont-Doherty Geological Observatory Yearbook*, 12–17.
91. Miller, J.D. and **D.V. Kent**, 1988, Paleomagnetism of the Siluro-Devonian Andreas Redbeds: Evidence for an Early Devonian supercontinent?, *Geology*, 16, 195–198.
92. Miller, J.D. and **D.V. Kent**, 1988, Regional trends in the timing of Alleghanian remagnetization in the Appalachians, *Geology*, 16, 588–591.
93. Miller, K.G., M.D. Feigensen, **D.V. Kent** and R.K. Olsson, 1988, Upper Eocene to Oligocene stable isotope ( $^{87}\text{Sr}/^{86}\text{Sr}$ ,  $\delta^{18}\text{O}$ ,  $\delta^{13}\text{C}$ ) standard section, Deep Sea Drilling Project Site 522, *Paleoceanography*, 3, 223–233.
94. Schneider, D.A. and **D.V. Kent**, 1988, Inclination anomalies from Indian Ocean sediments and the possibility of a standing non-dipole field, *Journal of Geophysical Research*, 93, 11621–11630.
95. Schneider, D.A. and **D.V. Kent**, 1988, The paleomagnetic field from equatorial deep-sea sediments: Axial symmetry and polarity asymmetry, *Science*, 242, 252–256.
96. Tucker, S. and **D.V. Kent**, 1988, Multiple remagnetizations of lower Paleozoic limestones from the Taconics of Vermont, *Geophysical Research Letters*, 15, 1251–1254.
97. Witte, W.K. and **D.V. Kent**, 1988, Revised magnetostratigraphies confirm low sedimentation rates in Arctic Ocean cores, *Quaternary Research*, 29, 43–53.
98. Johnson, D.A., D.A. Schneider, C. Nigrini, J.-P. Caulet and **D.V. Kent**, 1989, Pliocene-Pleistocene Radiolarian events and magnetostratigraphic calibrations for the tropical Indian Ocean, *Marine Micropaleontology*, 14, 33–66.

99. Miller, J.D. and **D.V. Kent**, 1989, Paleomagnetism of the Upper Ordovician Juniata Formation of the central Appalachians revisited again, *Journal of Geophysical Research*, *94*, 1843–1849.
100. Miller, J.D. and **D.V. Kent**, 1989, Paleomagnetism of selected Devonian age plutons from Maine, Vermont and New York, *Northeastern Geology*, *11*, 66–76.
101. Witte, W.K. and **D.V. Kent**, 1989, A middle Carnian to early Norian (~225 Ma) paleopole from sediments of the Newark Basin, *Geological Society of America Bulletin*, *101*, 1118–1126.
102. deMenocal, P.B., W.F. Ruddiman and **D.V. Kent**, 1990, Depth of post-depositional remanence acquisition in deep-sea sediments: A case study of the Brunhes-Matuyama reversal and oxygen isotopic stage 19.1, *Earth and Planetary Science Letters*, *99*, 1–13.
103. **Kent, D.V.** and R. Van der Voo, 1990, Paleozoic paleogeography from paleomagnetism of the Atlantic-bordering continents, *Geological Society of London Memoir* *12*, 49–56.
104. Lu, G., S. Marshak and **D.V. Kent**, 1990, Characteristics of magnetic carriers responsible for late Paleozoic remagnetization in carbonate strata of the midcontinent, U.S.A., *Earth and Planetary Science Letters*, *99*, 351–361.
105. Miller, K.G., **D.V. Kent**, A.N. Brower, L.M. Bybell, M.D. Feigensen, R.K. Olsson and R.Z. Poore, 1990, Eocene-Oligocene sea-level changes on the New Jersey coastal plain linked to the deep-sea record, *Geological Society of America Bulletin*, *102*, 331–339.  
Olsen, P.E. and **D.V. Kent**, 1990, Continental coring of the Newark Rift, *Eos, Transactions American Geophysical Union*, *71*, 385 and 394.
106. Schneider, D.A. and **D.V. Kent**, 1990, Ivory Coast microtektites and geomagnetic reversals, *Geophysical Research Letters*, *17*, 163–166.
107. Schneider, D.A. and **D.V. Kent**, 1990, The time-averaged paleomagnetic field, *Reviews of Geophysics*, *28*, 71–96.
108. Schneider, D.A. and **D.V. Kent**, 1990, Testing models of the Tertiary paleomagnetic field, *Earth and Planetary Science Letters*, *101*, 260–271.
109. Schneider, D.A. and **D.V. Kent**, 1990, Paleomagnetism of Leg 115 sediments: implications for Neogene magnetostratigraphy and paleolatitude of the Reunion hotspot, *Proceedings of the Ocean Drilling Program, Scientific Results*, *115*, 717–736.
110. Van Fossen, M.C. and **D.V. Kent**, 1990, High-latitude paleomagnetic poles from Middle Jurassic plutons and Moat Volcanics in New England and the controversy regarding Jurassic apparent polar wander for North America, *Journal of Geophysical Research*, *95*, 17,503–17,516.
111. Vigliotti, L. and **D.V. Kent**, 1990, Paleomagnetic results from Tertiary sediments from Corsica: Evidence for post-Eocene rotation, *Physics of the Earth and Planetary Interiors*, *62*, 97–108.
112. Witte, W.K. and **D.V. Kent**, 1990, The paleomagnetism of redbeds and basalts of the Hettangian extrusive zone, Newark Basin, New Jersey, *Journal of Geophysical Research*, *95*, 17,533–17,546.
113. Clement, B.M. and **D.V. Kent**, 1991, A southern hemisphere record of the Matuyama-Brunhes polarity reversal, *Geophysical Research Letters*, *18*, 81–84.
114. Glass, B.P., **D.V. Kent**, D.A. Schneider and L. Tauxe, 1991, Ivory Coast tektite strewnfield: Description and relation to the Jaramillo geomagnetic polarity subchron, *Earth and Planetary Science Letters*, *107*, 182–196.

115. Grunow, A.M., **D.V. Kent** and I.W.D. Dalziel, 1991, New paleomagnetic data from Thurston Island and their implications for the tectonics of West Antarctica, *Journal of Geophysical Research*, *96*, 17,935–17,954.
116. Thrupp, G.A., **D.V. Kent**, P.W. Schmidt and C.McA. Powell, 1991, Paleomagnetism of red beds of the Late Devonian Worange Point Formation, SE Australia, *Geophysical Journal International*, *104*, 179–201.
117. Witte, W.K. and **D.V. Kent**, 1991, Tectonic implications of a remagnetization event in the Newark Basin, *Journal of Geophysical Research*, *96*, 19,569–19,582.
118. Witte, W.K., **D.V. Kent** and P.E. Olsen, 1991, Magnetostratigraphy and paleomagnetic poles from the Late Triassic-earliest Jurassic strata of the Newark Basin, *Geological Society of America Bulletin*, *103*, 1648–1662.
119. Berggren, W.A., **D.V. Kent**, J.D. Obradovich and C.C. Swisher III, 1992, Toward a revised Paleogene geochronology, in D.R. Prothero and W.A. Berggren (editors), *Eocene-Oligocene Climatic and Biotic Evolution* (Princeton Univ. Press), 29–45.
120. Cande, S.C. and **D.V. Kent**, 1992, A new geomagnetic polarity timescale for the late Cretaceous and Cenozoic, *Journal of Geophysical Research*, *97*, 13,917–13,951.
121. Cande, S.C. and **D.V. Kent**, 1992, Ultra-high resolution marine magnetic profiles: A record of continuous paleointensity variations?, *Journal of Geophysical Research*, *97*, 15,075–15,083.
122. Schneider, D.A., **D.V. Kent** and G.A. Mello, 1992, A detailed chronology of the Australasian impact event and the Brunhes-Matuyama geomagnetic polarity reversal, *Earth and Planetary Science Letters*, *111*, 395–405.
123. Van Fossen, M.C. and **D.V. Kent**, 1992, A Reply in defense of high latitude middle Jurassic North American apparent polar wander, *Journal of Geophysical Research*, *97*, 1803–1805.
124. Van Fossen, M.C. and **D.V. Kent**, 1992, Paleomagnetism of the Front Range Morrison Formation and an alternative model of late Jurassic apparent polar wander for North America, *Geology*, *20*, 223–226.
125. Van Fossen, M.C. and **D.V. Kent**, 1992, Paleomagnetism of 122 Ma plutons in New England and the mid-Cretaceous paleomagnetic field in North America: True polar wander or large-scale differential mantle motion? *Journal of Geophysical Research*, *97*, 19,651–19,661.
126. Collombat, H., P. Rochette and **D.V. Kent**, 1993, Possible correction of the inclination error in deep-sea sediments using the anisotropy of anhysteretic remanence, *Bulletin Societe Geologie France*, *164*, 103–111.
127. **Kent, D.V.** and W.K. Witte, 1993, Slow apparent polar wander for North America in the Late Triassic and large Colorado Plateau rotation, *Tectonics*, *12*, 291–300.
128. Miller, K.G., P.R. Thompson and **D.V. Kent**, 1993, Integrated Late Eocene-Oligocene stratigraphy of the Alabama coastal plain: Correlation of hiatuses and stratal surfaces to glacioeustatic lowerings, *Paleoceanography*, *8*, 313–331.
129. Van Fossen, M.C. and **D.V. Kent**, 1993, Paleomagnetic study of 143 Ma kimberlite dikes in central New York State, *Geophysical Journal International*, *113*, 175–185.
130. Witte, W.K., **D.V. Kent** and P.E. Olsen, 1993, Reply to Discussion by Lucas, S.G., M.B. Steiner, P. Huber and A. Hunt, "Magnetostratigraphy and paleomagnetic poles from the Late Triassic-earliest Jurassic strata of the Newark Basin", *Geological Society of America Bulletin*, *105*, 1260–1262.

131. DiVenere, V., **D.V. Kent** and I.W.D. Dalziel, 1994, Mid-Cretaceous paleomagnetic results from Marie Byrd Land, West Antarctica: A test of post-100 Ma relative motion between East and West Antarctica, *Journal of Geophysical Research*, *99*, 15115–15139.
132. Gee, J. and **D.V. Kent**, 1994, Variations in Layer 2A thickness and the origin of the Central Anomaly Magnetic High, *Geophysical Research Letters*, *21*, 297–300.
133. Goldberg, D.S., D.J. Reynolds, C.F. Williams, W.K. Witte, P.E. Olsen and **D.V. Kent**, 1994, Well logging results from the Newark Rift Basin Coring Project, *Scientific Drilling*, *4*, 267–279.
134. Hodell, D.A., R.H. Benson, **D.V. Kent**, A. Boersma and K. Rakic-El Bied, 1994, Magnetostratigraphy, biostratigraphy and stable isotope stratigraphy of an upper Miocene drill core from the Salé Briqueterie (northwestern Morocco): A high resolution chronology for the Messinian stage, *Paleoceanography*, *9*, 835–855.
135. **Kent, D.V.** and J. Gee, 1994, Grain size-dependent alteration and the magnetization of oceanic basalts, *Science*, *265*, 1561–1563.
136. Miller, K.G., J.D. Wright, M.C. Van Fossen and **D.V. Kent**, 1994, Miocene stable isotopic stratigraphy and magnetostratigraphy of Buff Bay, Jamaica, *Geological Society of America Bulletin*, *106*, 1605–1620.
137. Miller, K.G., J.V. Browning, C. Liu, P. Sugarman, **D.V. Kent**, M.V. Fossen, D. Queen, M. Goss, D. Gwynn, L. Mullikin, M.D. Feigenson, M.P. Aubry and L.D. Burckle, 1994, Atlantic City site report: *Proceedings of the Ocean Drilling Program, Initial Reports, 150X, New Jersey Coastal Plain*, 1-9.
138. Muttoni, G. and **D.V. Kent**, 1994, Paleomagnetism of latest Anisian (Middle Triassic) Prezzo Limestone and Buchenstein Formation, Southern Alps, Italy, *Earth and Planetary Science Letters*, *122*, 1–18.
139. Muttoni, G., **D.V. Kent** and M. Gaetani, 1994, The base of the Anisian: A candidate global stratotype section and point from Chios Island (Greece), *Albertiana*, *13*, 37–43.
140. Berggren, W.A., F.J. Hilgen, C.G. Langereis, **D.V. Kent**, J.D. Obradovich, I. Raffi, M. Raymo and N.J. Shackleton, 1995, Late Neogene chronology: New perspectives in high resolution stratigraphy, *Geological Society of America Bulletin*, *107*, 1272–1287.
141. Berggren, W.A., **D.V. Kent**, C.C. Swisher and M.-P. Aubry, 1995, A revised Cenozoic geochronology and chronostratigraphy, *SEPM Special Publication 54*, 129–212.
142. Cande, S.C. and **D.V. Kent**, 1995, Revised calibration of the geomagnetic polarity time scale for the late Cretaceous and Cenozoic, *Journal of Geophysical Research*, *100*, 6093–6095.
143. DiVenere, V., **D.V. Kent** and I.W.D. Dalziel, 1995, Early Cretaceous paleomagnetic results from Marie Byrd Land, West Antarctica: Implications for the Weddellia collage of crustal blocks, *Journal of Geophysical Research*, *100*, 8133–8151.
144. DiVenere, V., **D.V. Kent** and I.W.D. Dalziel, 1995, Tectonic implications of paleomagnetic results from Marie Byrd Land, West Antarctica, *Antarctic Journal of the U. S.*, *30*, 22–24.
145. Gee, J. and **D.V. Kent**, 1995, Magnetic hysteresis in young mid-ocean ridge basalts: Dominant cubic anisotropy?, *Geophysical Research Letters*, *22*, 551–554.
146. **Kent, D.V.**, P.E. Olsen and W.K. Witte, 1995, Late Triassic-earliest Jurassic geomagnetic polarity sequence and paleolatitudes from drill cores in the Newark rift basin, eastern North America, *Journal of Geophysical Research*, *100*, 14,965–14,998.
147. **Kent, D.V.**, P.E. Olsen and W.K. Witte, 1995, Late Triassic-earliest Jurassic geomagnetic polarity reference sequence from cyclic continental sediments of the Newark rift basin (eastern North America), *Albertiana*, *16*, 17–26.

148. **Kent, D.V.** and D.A. Schneider, 1995, Correlation of paleointensity variation records in the Brunhes/Matuyama polarity transition interval, *Earth and Planetary Science Letters*, *129*, 135–144.
149. Muttoni, G., **D.V. Kent** and M. Gaetani, 1995, Magnetostratigraphy of a Lower/Middle Triassic boundary section from Chios (Greece), *Physics of the Earth and Planetary Interiors*, *92*, 245–260.
150. Clement, B.M., **D.V. Kent** and N.D. Opdyke, 1996, A synthesis of magnetostratigraphic results from Pliocene-Pleistocene sediments cored using the hydraulic piston corer, *Paleoceanography*, *11*, 299–308.
151. DiVenere, V., **D.V. Kent** and I.W.D. Dalziel, 1996, Summary of paleomagnetic results from West Antarctica: Implications for the tectonic evolution of the Pacific margin of Gondwana during the Mesozoic, *Geological Society Special Publication No. 108*, 31–43.
152. Gee, J., D.A. Schneider and **D.V. Kent**, 1996, Marine magnetic anomalies as recorders of geomagnetic intensity variations, *Earth and Planetary Science Letters*, *144*, 327–336.
153. **Kent, D.V.** and L.B. Clemmensen, 1996, Paleomagnetism and cycle stratigraphy of the Triassic Fleming Fjord and Gipsdalen Formations of East Greenland, *Bulletin of the Geological Society of Denmark*, *142*, 121–136.
154. **Kent, D.V.** and J. Gee, 1996, Magnetic alteration of zero-age oceanic basalt, *Geology*, *24*, 703–706.
155. Miller, K. G., G. S. Mountain, et al., 1996, Drilling and dating New Jersey Oligocene-Miocene sequences: Ice volume, global sea level and Exxon records, *Science*, *271*, 1092–1095.
156. Muttoni, G., **D.V. Kent** and J.E.T. Channell, 1996, Evolution of Pangea: Paleomagnetic constraints from the Southern Alps, Italy, *Earth and Planetary Science Letters*, *140*, 97–112.
157. Muttoni, G., **D.V. Kent**, S. Meço, A. Nicora, M. Gaetani, M. Balini, D. Germani and R. Rettori, 1996, Magnetobiostratigraphy of the Spathian to Anisian (Lower to Middle Triassic) Kçira section, Albania, *Geophysical Journal International*, *127*, 503–514.
158. Muttoni, G., **D.V. Kent**, A. Nicora, H. Rieber and P. Brack, 1996, Magneto-biostratigraphy of the ‘Buchenstein Beds’ at Frötschbach (western Dolomites, Italy), *Albertiana*, *17*, 51–56.
159. Olsen, P.E. and **D.V. Kent**, 1996, Milankovitch climate forcing in the tropics of Pangea in the Late Triassic, *Palaeogeography, Palaeoclimatology, Palaeoecology*, *122*, 1–16.
160. Olsen, P.E., **D.V. Kent**, B. Cornet, W.K. Witte and R.W. Schlische, 1996, High resolution stratigraphy of the Newark rift basin (early Mesozoic, eastern North America), *Geological Society of America Bulletin*, *108*, 40–77.
161. Steininger, F.F., W.A. Berggren, **D.V. Kent**, R.L. Bernor, S. Sen and J. Agusti, 1996, Circum-Mediterranean Neogene (Miocene and Pliocene) marine-continental chronologic correlations of European mammal units, in R.L. Bernor, V. Fahlbusch and H.W. Mittman (editors), *The Evolution of Western Eurasian Neogene Mammal Faunas*, Columbia Univ. Press (New York), 7–46.
162. Gee, J. and **D.V. Kent**, 1997, Magnetization of axial lavas from the southern East Pacific Rise (14°–23° S): Geochemical controls on magnetic properties, *Journal of Geophysical Research*, *102*, 24,873–24,886.
163. Johnson, H.P., **D.V. Kent**, M.A. Tivey, J.S. Gee, R.L. Larson and R.W. Embley, 1997, Conference on the magnetization of the oceanic crust steers future research, *Eos, Transactions American Geophysical Union*, *78*, 199–200, 202.
164. **Kent, D.V.** and P.E. Olsen, 1997, Paleomagnetism of Upper Triassic continental sedimentary rocks from the Dan River-Danville rift basin (eastern North America), *Geological Society of America Bulletin*, *109*, 366–377.



165. Metzger, J.M., Remer, S.C., Miller, K.G., Van Fossen, M.C., **Kent, D.V.**, Browning, J.V., Pekar, S.F. and Goldberg, D.S., 1997. Pass-through core measurements of magnetic susceptibility and natural gamma ray, New Jersey coastal plain Leg 150X: Sequence stratigraphic implications, *Proceedings of the Ocean Drilling Program, Scientific Results, 150X*, 65–74.
166. Muttoni, G., **D.V. Kent**, P. Brack, A. Nicora and M. Balini, 1997, Middle Triassic magnetostratigraphy and biostratigraphy from the Dolomites and Greece, *Earth and Planetary Science Letters*, 146, 107–120.
167. Clemmensen, L.B., **D.V. Kent** and F.A. Jenkins, 1998, A Late Triassic lake system in East Greenland: facies, depositional cycles and paleoclimate, *Palaeogeography, Palaeoclimatology, Palaeoecology*, 140, 135–159.
168. Gee, J. and **D.V. Kent**, 1998, Magnetic telechemistry and magmatic segmentation on the southern East Pacific Rise, *Earth and Planetary Science Letters*, 164, 379–385.
169. **Kent, D.V.**, 1998, Impacts on Earth in the Late Triassic, *Nature*, 395, 126.
170. **Kent, D.V.**, 1998, Cenozoic Era: Geomagnetic polarity time-scale, Appendix to: J. Hardenbol et al., Mesozoic and Cenozoic sequence chronostratigraphic framework of European basins, in P.C. de Graciansky, J. Hardenbol, T. Jacquin and P.R. Vail (editors), Mesozoic and Cenozoic Sequence Stratigraphy of European Basins, *SEPM Special Publication 60*, 763.
171. **Kent, D.V.** and M.A. Smethurst, 1998, Shallow bias of paleomagnetic inclinations in the Paleozoic and Precambrian, *Earth and Planetary Science Letters*, 160, 391–402.
172. Muttoni, G., A. Argnani, **D.V. Kent**, N. Abrahamsen and I. Cibin, 1998, Paleomagnetic evidence for Neogene tectonic rotations in the northern Apennines, Italy, *Earth and Planetary Science Letters*, 154, 25–40.
173. Muttoni, G., **D.V. Kent**, S. Meço, A. Nicora, L. Krystyn, M. Balini, R. Rettori and M. Gaetani, 1998, Towards a better definition of the Middle Triassic magnetostratigraphy and biostratigraphy of the Tethyan realm, *Earth and Planetary Science Letters*, 164, 285–302.
174. Cramer, B.S., M.-P. Aubry, K.G. Miller, R.K. Olsson, J.D. Wright and **D.V. Kent**, 1999, An exceptional chronologic, isotopic and clay mineralogic record of the latest Paleocene thermal maximum, Bass River, NJ, ODP 174AX, *Geological Society of France Bulletin*, 170, 883–897.
175. DiVenere, V. and **D.V. Kent**, 1999, Are the Pacific and Indo-Atlantic hotspots fixed? Testing the plate circuit through Antarctica, *Earth and Planetary Science Letters*, 170, 105–117.
176. Gee, J. and **D.V. Kent**, 1999, Calibration of magnetic granulometric trends in oceanic basalts, *Earth and Planetary Science Letters*, 170, 377–390.
177. **Kent, D.V.**, 1999, Orbital tuning and geomagnetic polarity timescales *Philosophical Transactions, Royal Society of London, Series A*, 357, 1995–2007.
178. **Kent, D.V.** and P.E. Olsen, 1999, Astronomically tuned geomagnetic polarity timescale for the Late Triassic, *Journal of Geophysical Research*, 104, 12831–12841.
179. Olsen, P.E. and **D.V. Kent**, 1999, Long-period Milankovitch cycles from the Late Triassic and Early Jurassic of eastern North America and their implications for the calibration of the early Mesozoic time-scale and the long-term behaviour of the planets, *Philosophical Transactions, Royal Society of London, Series A*, 357, 1761–1786.
180. Sohl, L.E., N. Christie-Blick and **D.V. Kent**, 1999, Paleomagnetic record in Marinoan (~600 Ma) glacial deposits of Australia: Implications for the duration and causes of low-latitude glaciation in the Neoproterozoic, *Geological Society of America Bulletin*, 111, 1120–1139.

181. Ali, J.R., **D.V. Kent** and E.A. Hailwood, 2000, Magnetostratigraphic reinvestigation of the Paleocene/Eocene boundary interval in Hole 690B, Maud Rise, Antarctica, *Geophysical Journal International*, 141, 639–646.
182. Aubry, M.-P., Cramer, B.S., K.G. Miller, J.D. Wright, **D.V. Kent** and R.K. Olsson, 2000, Late Paleocene event chronology: unconformities, not diachrony, *Geological Society of France Bulletin*, 171, 367–378.
183. Berggren, W.A., M.-P. Aubry, M. van Fossen, **D.V. Kent**, R.D. Norris and F. Quillevère, 2000, Integrated Paleocene calcareous plankton magnetobiochronology and stable isotope stratigraphy: DSDP Site 384 (NW Atlantic Ocean), *Palaeogeography, Palaeoclimatology, Palaeoecology*, 159, 1–51.
184. Carlot, J. and **D.V. Kent**, 2000, Paleointensity record in zero-age submarine basalt glass: Testing a new dating technique for recent MORBS, *Earth and Planetary Science Letters*, 183, 389–401.
185. **Kent, D.V.** and P.E. Olsen, 2000, Magnetic polarity stratigraphy and paleolatitude of the Triassic-Jurassic Blomidon Formation in the Fundy basin (Canada): Implications for early Mesozoic tropical climate gradients, *Earth and Planetary Science Letters*, 179, 311–324.
186. **Kent, D.V.** and P.E. Olsen, 2000, Implications of astronomical climate cycles to the chronology of the Triassic, in G.H. Bachmann and I. Lerche (editors), *Epicontinental Triassic, Volume 3*, E. Schweizerbart'sche Verlagsbuchhandlung (Stuttgart), 1463–1474.
187. Olsen, P.E. and **D.V. Kent**, 2000, High-resolution early Mesozoic Pangean climate transect in lacustrine environments, in G.H. Bachmann and I. Lerche (editors), *Epicontinental Triassic, Volume 3*, E. Schweizerbart'sche Verlagsbuchhandlung (Stuttgart), 1475–1496.
188. Olsen, P.E., **D.V. Kent**, S.J. Fowell, R.W. Schlische, M.O. Withjack and P.M. LeTourneau, 2000, Implications of a comparison of the stratigraphy and depositional environments of the Argana (Morocco) and Fundy (Nova Scotia, Canada) Permian-Jurassic basins, in M. Oujidi and M. Et-Touhami (editors), *Le Permien et le Trias du Maroc: Actes de la Première Réunion du Groupe Marocain du Permien et du Trias*, Hilal Impression (Oujda), 165–183..
189. **Kent, D.V.** and J. Carlot, 2001, A negative test of orbital control of geomagnetic reversals and excursions, *Geophysical Research Letters*, 28, 3561–3564.
190. Lanci, L., **D.V. Kent**, P.E. Biscaye and A. Bory, 2001, Isothermal remanent magnetization of Greenland ice: Preliminary results, *Geophysical Research Letters*, 28, 1639–1642.
191. Muttoni, G., **D.V. Kent**, P. Di Stefano, M. Gullo, A. Nicora, J. Tait and W. Lowrie, 2001, Magnetostratigraphy and biostratigraphy of the Carnian/Norian boundary interval from the Pizzo Mondello section (Sicani Mountains, Sicily), *Palaeogeography, Palaeoclimatology, Palaeoecology*, 166, 383–399.
192. Muttoni, G., **D.V. Kent** and M. Orchard, 2001, Paleomagnetic reconnaissance of Early Mesozoic carbonates from Williston Lake, northeastern British Columbia, Canada: Evidence for Late Mesozoic remagnetization, *Canadian Journal of Earth Sciences*, 38, 1157–1168.
193. Aubry, M.-P., W.A. Berggren, H. Brinkhuis, C. Dupuis, P. Gingerich, J. Hardenbol, C. Heilmann-Clausen, J. Hooker, D. Kent, C. King, R. Knox, P. Laga, E. Molina, B. Schmitz, E. Steurbaut, D. Ward, 2002, The Paleocene/Eocene boundary global standard stratotype-section and point (GSSP): Criteria for characterisation and correlation: *Tertiary Research* 21, 57-70.
194. Carlot, J. and **D.V. Kent**, 2002, Grain-size dependent paleointensity results from very recent MORBS, *Journal of Geophysical Research*, 107, 10.1029/2001JB000439.
195. **Kent, D.V.**, S.R. Hemming and B.D. Turrin, 2002, Laschamp Excursion at Mono Lake?, *Earth and Planetary Science Letters*, 197, 151–164.

196. **Kent, D.V.**, D. Rio, F. Massari, G. Kukla and L. Lanci, 2002, Emergence of Venice during the Pleistocene, *Quaternary Science Reviews*, 21, 1719–1727.
197. Lanci, L., **D.V. Kent** and K.G. Miller, 2002, Detection of sequence boundaries using core-log integration of magnetic susceptibility and natural gamma-ray measurements at the Ancora site on the Atlantic Coastal Plain, *Journal of Geophysical Research*, 107, 2216, doi:10.1029/2000JB000026.
198. Olsen, P. E., **D.V. Kent**, H.-D. Sues, C. Koeberl, H. Huber, A. Montanari, E.C. Rainforth, S.J. Fowell, M.J. Szajna and B.W. Hartline, 2002, Ascent of dinosaurs linked to Ir anomaly at Triassic-Jurassic boundary, *Science*, 296, 1305–1307.
199. Olsen, P.E., C. Koeberl, H. Huber, A. Montanari, S.J. Fowell, M. Et-Touhami and **D.V. Kent**, 2002, Continental Triassic-Jurassic boundary in central Pangea: Recent progress and preliminary report of an Ir anomaly, *GSA Special Paper 356*, 505–522.
200. Aubry, M.P., W.A. Berggren, J. A. Van Couvering, J. Ali, H. Brinkhuis, B. Cramer, **D.V. Kent**, C.C. Swisher, P.R. Gingerich, C. Heilmann-Clausen, R.W. Knox, P. Laga, E. Steurbaut, L.D. Stott and M. Thiry, 2003, Chronostratigraphic terminology at the Paleocene/Eocene boundary, *GSA Special Paper 369*, 551-565.
201. Aubry, M.P., C.C. Swisher, **D.V. Kent** and W.A. Berggren, 2003, Paleogene time scale miscalibration: Evidence from the dating of the North Atlantic igneous province. Comment. *Geology*, 41, 468-469.
202. Dupuis, C., M.P. Aubry, E. Steurbaut, W.A. Berggren, K. Ouda, R. Magioncalda, B.S. Cramer, **D.V. Kent**, R.P. Speijer and C. Heilmann-Clausen, 2003, The Dababiya Quarry section; Lithostratigraphy, clay mineralogy, geochemistry and paleontology, *Micropaleontology Special Issue*, 49/1, 41–60.
203. Cramer, B.S., J. D. Wright, **D.V. Kent** and M.P. Aubry, 2003, Orbital climate forcing of  $\delta^{13}\text{C}$  excursions in the late Paleocene–early Eocene (Chronos C24n–C25n), *Paleoceanography*, 18, 1097, doi:1029/2003PA000909.
204. **Kent, D.V.**, B.S. Cramer, L. Lanci, D. Wang, J. D. Wright and R. Van der Voo, 2003, A case for a comet impact trigger for the Paleocene/Eocene thermal maximum and carbon isotope excursion, *Earth and Planetary Science Letters*, 211, 13–26.
205. **Kent, D.V.**, B.S. Cramer, L. Lanci, D. Wang, J. D. Wright and R. Van der Voo, 2003, Reply to a comment on “A case for a comet impact trigger for the Paleocene/Eocene thermal maximum and carbon isotope excursion” by G.R. Dickens and J.M. Francis, *Earth and Planetary Science Letters*, 217, 201-205.
206. **Kent, D.V.** and C. Dupuis, 2003, Paleomagnetic study of the Paleocene-Eocene Tarawan Chalk and Esna Shale (Egypt): Dual polarity remagnetizations of Cenozoic sediments in the Nile Valley, *Micropaleontology Special Issue*, 49/1, 139-145.
207. **Kent, D.V.** and G. Muttoni, 2003, Mobility of Pangea: Implications for Late Paleozoic and Early Mesozoic paleoclimate, in P. M. LeTourneau and P. E. Olsen (editors), *The Great Rift Valleys of Pangea in Eastern North America, Volume 1. Tectonics, Structure and Volcanism*: New York, Columbia Univ. Press, 11-20.
208. Lanci, L. and **D.V. Kent**, 2003, Introduction of thermal activation in forward modeling of SD hysteresis loops and implications for the interpretation of Day diagrams, *Journal of Geophysical Research*, 108(B3), 2142, doi:10.1029/2001JB000944.
209. Muttoni, G., **D.V. Kent**, E. Garzanti, P. Brack, N. Abrahamsen and M. Gaetani, 2003, Early Permian Pangea ‘B’ to Late Permian Pangea ‘A’, *Earth and Planetary Science Letters*, 215, 379–394.

210. Olsen, P.E., **D.V. Kent** and M. Et-Touhami, 2003, Chronology and stratigraphy of the Fundy and related Nova Scotia offshore basins and Morocco based on core and outcrop: *in* D. Brown (editor), *Conventional Core Workshop*, Geological Society of America (NE Section) and Atlantic Geoscience Society, Halifax, 51-63.
211. Olsen, P.E., **D.V. Kent**, M. Et-Touhami and J. Puffer, 2003, Cyclo-, magneto- and biostratigraphic constraints on the duration of the CAMP event and its relationship to the Triassic-Jurassic boundary, *AGU Geophysical Monograph Series Volume 136*, 7–32.
212. Olsen, P. E., H.-D. Sues, E.C. Rainforth, **D.V. Kent**, C. Koeberl, H. Huber, A. Montanari, S.J. Fowell, M.J. Szajna and B.W. Hartline, 2003, Response to a comment on “Ascent of dinosaurs linked to Ir anomaly at Triassic-Jurassic boundary”, *Science*, 301, 169c-170c.
213. Aguilar, J.-P., W. A. Berggren, M.P. Aubry, **D.V. Kent**, G. Clauzon, M. Benammi and J. Michaux, 2004, Mid-Neogene Mediterranean marine-continental correlations: An alternative interpretation, *Palaeogeography, Palaeoclimatology, Palaeoecology*, 204, 165–186.
214. Carlu, J., M.H. Cormier, **D.V. Kent**, K.E. Donnelly and C.H. Langmuir, 2004, Timing of volcanism along the northern East Pacific Rise based on paleointensity experiments on basaltic glasses, *Journal of Geophysical Research*, 109, B04104, 1–16, doi:10.1029/2003JB002672.
215. Horneman, A., A. van Geen, **D.V. Kent**, P. E. Mathe, Y. Zheng, R.K. Dhar, S.O’Connell, M. Hoque, Z. Aziz, M. Shamsudduha, A. Seddique and K.M. Ahmed, 2004, Decoupling of arsenic and iron release to Bangladesh groundwater under reducing conditions. Part I: Evidence from sediment profiles, *Geochimica and Cosmochimica Acta*, 68, 3459–3473.
216. **Kent, D.V.**, G. Muttoni and P. Brack, 2004, Magnetostratigraphic confirmation of a much faster tempo for sea-level change for the Middle Triassic Latemar platform carbonates, *Earth and Planetary Science Letters*, 228, 369–377.
217. Krijgsman, W. and **D.V. Kent**, 2004, Non-uniform occurrence of short-term polarity fluctuations in the geomagnetic field? New results from Middle to Late Miocene sediments of the North Atlantic (DSDP Site 608): *AGU Geophysical Monograph 145*, 161–174.
218. Lanci, L., **D.V. Kent**, P.E. Biscaye and J.P. Steffensen, 2004, Magnetization of Greenland ice and its relationship to dust content, *Journal of Geophysical Research*, 109, D09104, doi:10.1029/2003JD004433.
219. Lanci, L., J.P. Pares, J.E.T. Channell and **D.V. Kent**, 2004, Miocene magnetostratigraphy from equatorial Pacific sediments (ODP Site 1218, Leg 199), *Earth and Planetary Science Letters*, 226, 207–224.
220. Lowrie, W. and **D.V. Kent**, 2004, Geomagnetic polarity timescale and reversal frequency regimes: *AGU Geophysical Monograph 145*, 117–129.
221. Muttoni, G., **D.V. Kent**, P.E. Olsen, P. DiStefano, W. Lowrie, S. Bernasconi and F.M. Hernandez, 2004, Tethyan magnetostratigraphy from Pizzo Mondello (Sicily) and correlation to the Late Triassic Newark astrochronological polarity time scale, *Geological Society of America Bulletin*, 116, 1043–1058.
- Muttoni, G., **D.V. Kent**, E. Garzanti, P. Brack, N. Abrahamsen and M. Gaetani, 2004, Erratum to “Early Permian Pangea ‘B’ to Late Permian Pangea ‘A’” [Earth Planet. Sci. Lett. 215 (2003) 379–394]: *Earth and Planetary Science Letters*, 218, 539-540.
222. Muttoni, G., A. Nicora, P. Brack and **D.V. Kent**, 2004, Integrated Anisian-Ladinian boundary chronology, *Palaeogeography, Palaeoclimatology, Palaeoecology*, 208, 85–102.
223. Tauxe, L. and **D.V. Kent**, 2004, A simplified statistical model for the geomagnetic field and the detection of shallow bias in paleomagnetic inclinations: Was the ancient magnetic field dipolar?: *AGU Geophysical Monograph 145*, 101–115.

224. Bowles, J., J.S. Gee, **D.V. Kent**, E. Bergmanis and J. Sinton, 2005, Cooling rate effects on paleointensity estimates in submarine basaltic glass and implications for dating young flows, *Geochemistry, Geophysics, Geosystems*, 6, Q07002, doi:10.1029/2004GC000900.
225. Cramer, B.S. and **D.V. Kent**, 2005, Bolide summer: The Paleocene/Eocene thermal maximum as a response to an extraterrestrial trigger, *Palaeogeography, Palaeoclimatology, Palaeoecology*, 224, 144–166.
226. **Kent, D.V.** and L. Tauxe, 2005, Corrected Late Triassic latitudes for continents adjacent to the North Atlantic, *Science*, 307, 240–244.
227. Lanci, L., J.P. Pares, J.E.T. Channell and **D.V. Kent**, 2005, Oligocene magnetostratigraphy from equatorial Pacific sediments (ODP Sites 1218 and 1219, Leg 199), *Earth and Planetary Science Letters*, 237, 617–634.
- Miller, K.G., D.B. Rowley, M.A. Kominz and **D.V. Kent**, 2005, Seafloor spreading, sea level and ocean chemistry changes (meeting report), *Eos, Transactions American Geophysical Union*, 86, 335.
228. Muttoni, G., E. Erba, **D.V. Kent** and V. Bachtadse, 2005, Mesozoic Alpine facies deposition as a result of past latitudinal plate motion, *Nature*, 434, 59–63.
229. Agnini, C., G. Muttoni, **D.V. Kent** and D. Rio, 2006, Eocene biostratigraphy and magnetic stratigraphy from Possagno, Italy: the calcareous nannofossil response to climate variability, *Earth and Planetary Science Letters*, 241, 815–830.
230. Bowles, J., J.S. Gee, **D.V. Kent**, M. Perfit, A. Soule and D. Fornari, 2006, Paleointensity applications to timing and extent of eruptive activity, 9°–10° N on the East Pacific Rise, *Geochemistry, Geophysics, Geosystems*, 7, Q06006, doi:10.1029/2005GC001141.
231. **Kent, D.V.**, G. Muttoni and P. Brack, 2006, Reply to Discussion of “Magnetostratigraphic confirmation of a much faster tempo for sea-level change for the Middle Triassic Latemar platform carbonates” by L. Hinnov, *Earth and Planetary Science Letters*, 243, 847–850.
232. Lanci, L. and **D.V. Kent**, 2006, Meteoritic smoke fallout revealed by superparamagnetism in Greenland ice, *Geophysical Research Letters*, 33, doi:10.1029/2006GL026480.
233. Zimmerman, S.R.H., S.R. Hemming, **D.V. Kent** and S.Y. Searle, 2006, Revised chronology for late Pleistocene Mono Lake sediments based on paleointensity correlation to the global reference curve, *Earth and Planetary Science Letters*, 252, 94–106.
234. Aubry, M.-P., K. Ouda, C. Dupuis, W. A. Berggren, J. A. V. Couvering, J. Ali, H. Brinkhuis, P. R. Gingerich, C. Heilmann-Clausen, J. Hooker, **D.V. Kent**, C. King, R. W. O. B. Knox, P. Laga, E. Molina, B. Schmitz, E. Steurbaut and D. R. Ward, 2007, The Global Standard Stratotype-section and Point (GSSP) for the base of the Eocene Series in the Dababiya section (Egypt), *Episodes*, 30, p. 271–286.
235. Gee, J.S. and **D.V. Kent**, 2007, Source of oceanic magnetic anomalies and the geomagnetic polarity time scale, Chapter 12, in Kono, M., ed., Volume 5. Geomagnetism: *Treatise on Geophysics*: Amsterdam, Elsevier, pp. 455–507.
236. Lanci, L., **D.V. Kent** and P.E. Biscaye, 2007, Meteoric smoke concentration in the Vostok ice core estimated from superparamagnetic relaxation and some consequences for estimates of Earth accretion rate, *Geophysical Research Letters*, 34, L10803, doi:10.1029/2007GL029811.
237. Muttoni, G. and **D.V. Kent**, 2007, Widespread formation of cherts during the early Eocene climate optimum, *Palaeogeography, Palaeoclimatology, Palaeoecology*, 253, 348–362.

238. van de Schootbrugge, B., F. Tremolada, Y. Rosenthal, T. R. Bailey, S. Feist-Burkhardt, H. Brinkhuis, J. Pross, **D.V. Kent** and P.G. Falkowski, 2007, End-Triassic calcification crisis and blooms of organic-walled “disaster species”, *Palaeogeography, Palaeoclimatology, Palaeoecology*, *244*, 126–141.
239. Whiteside, J.H., P.E. Olsen, **D.V. Kent**, S.J. Fowell and M. Et-Touhami, 2007, Synchrony between the Central Atlantic Magmatic Province and the Triassic-Jurassic mass-extinction event?, *Palaeogeography, Palaeoclimatology, Palaeoecology*, *244*, 345–367.
240. Gee, J.S., S.C. Cande, **D.V. Kent**, R. Partner and K. Heckman, 2008, Mapping geomagnetic field variations with Unmanned Airborne Vehicles, *Eos, Transactions American Geophysical Union*, *89*, 178–179.
241. **Kent, D.V.** and G. Muttoni, 2008, Equatorial convergence of India and early Cenozoic climate trends, *Proceedings National Academy of Sciences*, *105*, 16065–16070.
242. **Kent, D.V.** and P.E. Olsen, 2008, Early Jurassic magnetostratigraphy and paleolatitudes from the Hartford continental rift basin (eastern North America): Testing for polarity bias and abrupt polar wander in association with the Central Atlantic Magmatic Province, *Journal of Geophysical Research-Solid Earth*, *113*, B06105, doi:10.1029/2007JB005407.
243. Lanci, L., B. Delmonte, V. Maggi, J.R. Petit and **D.V. Kent**, 2008, Ice magnetization in the EPICA-Dome C ice core: implication for dust sources during glacial and interglacial periods, *Journal of Geophysical Research-Atmospheres*, *113*, D14207, doi:10.1029/2007JD009678.
- Olsen, P.E., **D.V. Kent** and Geissman, J.W., 2008, One hundred million years of climatic, tectonic and biotic evolution in continental cores (meeting report): *Eos, Transactions American Geophysical Union*, *89*, 118.
244. Olsen, P. E., **D.V. Kent** and J. W. Geissman, 2008, CPCP: Colorado Plateau Coring Project – 100 million years of early Mesozoic climatic, tectonic and biotic evolution of an epicontinental basin complex, *Scientific Drilling*, *6*, 62–66.
245. Tauxe, L., K. P. Kodama and **D.V. Kent**, 2008, Testing corrections for paleomagnetic inclination error in sedimentary rocks: a comparative approach, *Physics of the Earth and Planetary Interiors*, *169*, 152–165, doi:10.1016/j.pepi.2008.05.006.
246. Whiteside, J.H., P.E. Olsen, **D.V. Kent**, S.J. Fowell and M. Et-Touhami, 2008, Reply to Comment by Marzoli et al. on "Synchrony between the Central Atlantic magmatic province and the Triassic-Jurassic mass-extinction event?" *Palaeogeography, Palaeoclimatology, Palaeoecology*, *262*, 194–198.
247. Muttoni, G., M. Gaetani, **D.V. Kent**, D. Sciunnach, L. Angiolini, F. Berra, E. Garzanti, M. Mattei and A. Zanchi, 2008, Opening of the Neo-Tethys Ocean and the Pangea B to Pangea A transformation during the Permian: *GeoArabia*, *14*, 17–48.
248. Muttoni, G., G. Scardia, **D.V. Kent**, C.C. Swisher and G. Manzi, 2009, Pleistocene magnetostratigraphy of early hominin sites at Ceprano and Fontana Ranuccio, Italy: *Earth and Planetary Science Letters*, *286*, 255-268.
249. Pusz, A.E., K.G. Miller, J.D. Wright, M.E. Katz, B.S. Cramer and **D.V. Kent**, 2009, Stable isotopic response to Late Eocene extraterrestrial impacts: *Geological Society of America Special Paper* *252*, 1–13.
250. Van Couvering, J.V., M.-P. Aubry, W.A. Berggren, F.M. Gradstein, F. J. Hilgen, **D.V. Kent**, L.J. Lourens and B. McGowran, 2009, What, if anything, is Quaternary?, *Episodes*, *32*, 1-2.
- Geissman, J.W., P.E. Olsen and **D.V. Kent**, 2010, Site selected for Colorado Plateau coring (workshop report), *Eos, Transactions American Geophysical Union*, *91*, 128.

251. Goldberg, D.S., **D.V. Kent** and P.E. Olsen, 2010, Potential on-shore and off-shore reservoirs for CO<sub>2</sub> sequestration in Central Atlantic Magmatic Province basalts, *Proceedings of the National Academy of Sciences*, *107*, 1327-1332.
252. **Kent, D.V.** and E. Irving, 2010, Influence of inclination error in sedimentary rocks on the Triassic and Jurassic apparent polar wander path for North America and implications for Cordilleran tectonics, *Journal of Geophysical Research*, *115*, B10103, doi:10.1029/2009JB007205.
253. **Kent, D.V.**, H. Wang and P. Rochette, 2010, Equatorial paleosecular variation of the geomagnetic field from 0-3 Ma lavas from the Galapagos Islands: *Physics of the Earth and Planetary Interiors*, *183*, 404-412.
254. Lepre, C.J. and **D.V. Kent**, 2010, New magnetostratigraphy for the Olduvai Subchron in the Koobi Fora Formation, northwest Kenya, with implications for early *Homo*: *Earth and Planetary Science Letters*, *290*, 362-374.
255. Muttoni, G., **D.V. Kent**, F. Jadoul, P.E. Olsen, M. Rigo, M.T. Galli and A. Nicora, 2010, Rhaetian magnetobiostratigraphy from the Southern Alps (Italy): constraints on Triassic chronology: *Palaeogeography, Palaeoclimatology, Palaeoecology*, *285*, 1-16.
256. Muttoni, G., G. Scardia and **D.V. Kent**, 2010, Human migration into southern Europe during the late Early Pleistocene climate transition: *Palaeogeography, Palaeoclimatology, Palaeoecology*, *296*, 79-93.
257. Olsen, P. E., **D.V. Kent**, J.W. Geissman, G. Bachmann, R.C. Blakey, G. Gehrels, R.B. Irmis, W. Kuerschner, R. Molina-Garza, R. Mundil and J.G. Sha, 2010, The Colorado Plateau Coring Project (CPCP): 100 Million Years of Earth System History: *Earth Science Frontiers*, *17*, 55-63.
258. Opdyke, N.D., **D.V. Kent**, K. Huang, D.A. Foster and J.P. Patel, 2010, Equatorial paleomagnetic time-averaged field results from 0-5 Ma lavas from Kenya and the latitudinal variation of angular dispersion: *Geochemistry, Geophysics, Geosystems*, *11*, Q05005, doi:10.1029/2009GC002863.
- Kent, D.V.** and Y. Pan, 2011, Dynamos, Domains and Paleomagnetic Poles (meeting report): *Eos, Transactions American Geophysical Union*, *92*, 164.
259. Lepre, C. J., H. Roche, **D.V. Kent**, S. Harmand, R.L. Quinn, J.-P. Brugal, A. Lenoble, P.-J. Texier and C.S. Feibel, 2011, An earlier origin for the Acheulean: *Nature*, *477*, 82-85.
260. Montañez, I.P., R.D. Norris, T. Algeo, M.A. Chandler, K.R. Johnson, M.J. Kennedy, **D.V. Kent**, J.T. Kiehl, L.R. Kump, A.C. Ravelo and K.K. Turekian, 2011, Understanding Earth's Deep Past: Lessons for Our Climate Future: Washington, D.C., National Academy Press, 161 p.
261. Muttoni, G., G. Scardia, **D.V. Kent**, E. Morsiani, F. Tremolada, M. Cremaschi and C. Peretto, 2011, First dated human occupation of Italy at ~0.85 Ma during the late Early Pleistocene climate transition: *Earth and Planetary Science Letters*, *307*, 241-252.
262. Olsen P.E., **D.V. Kent** and J.H. Whiteside, 2011, Implications of the Newark Supergroup-based astrochronology and geomagnetic polarity time scale (Newark-APTS) for the tempo and mode of the early diversification of the Dinosauria: *Transactions of the Royal Society of Edinburgh*, *101*, 201-229.
263. Santi Malnis, P., **D.V. Kent**, C.E. Colombi and S.E. Geuna, 2011, Quebrada de la Sal magnetostratigraphic section, Los Colorados Formación, Upper Triassic Ischigualasto-Villa Unión basin, Argentina: *Latinmag Letters*, *1*, B15, 1-7.
264. Schaller, M.F., J.D. Wright and **D.V. Kent**, 2011, Atmospheric PCO<sub>2</sub> perturbations associated with the Central Atlantic Magmatic Province: *Science*, *331*, 1404-1409.

265. Schaller, M. F., J.D. Wright and **D.V. Kent**, 2011, Reply to Comment on “Atmospheric  $PCO_2$  Perturbations Associated with the Central Atlantic Magmatic Province” by M. R. Rampino and K. Caldeira: *Science*, 334, 594-c.
266. Whiteside, J.H., D.S. Grogan, P.E. Olsen and **D.V. Kent**, 2011, Climatically driven biogeographic provinces of Late Triassic tropical Pangea: *Proceedings of the National Academy of Sciences*, 108, 8972 - 8977.
267. Berggren, W. A., L. Alegret, M. P. Aubry, B. S. Cramer, C. Dupuis, S. Goolaerts, **D.V. Kent**, C. King, R. W. O. Knox, N. Obaidalla, S. Ortiz, K. A. K. Ouda, A. Abdel-Sabour, R. Salem, M. M. Senosy, M. F. Soliman and A. Soliman, 2012, The Dababiya Corehole, Upper Nile Valley, Egypt: Preliminary Results: *Austrian Journal of Earth Sciences*, 105, 161-168.
268. **Kent, D.V.**, 2012, Foreword to ‘The Continental Drift Controversy. Volume II: Paleomagnetism and Confirmation of Drift’ by H.R. Frankel, Cambridge Univ. Press, Cambridge, 525 p.
- Kent, D.V.** and G. Muttoni, 2012, Modulation of Late Cretaceous and Cenozoic climate by variable drawdown of atmospheric  $pCO_2$  from weathering of basaltic provinces on continents drifting through the equatorial humid belt: *Climate of the Past Discussions*, 8, 4513–4564.
269. Lanci, L., B. Delmonte, **D.V. Kent**, V. Maggi, P.E. Biscaye and J.-R. Petite, 2012, Magnetization of polar ice: a measurement of terrestrial dust and extraterrestrial fallout: *Quaternary Science Reviews*, 33, 20-31.
270. Schaller, M.F., J.D. Wright, **D.V. Kent** and P.E. Olsen, 2012, Rapid emplacement of the Central Atlantic Magmatic Province as a net sink for  $CO_2$ : *Earth and Planetary Science Letters*, 323-324, 27–39.
271. Blackburn, T.J., P.E. Olsen, S.A. Bowring, N.M. McLean, **D.V. Kent**, J. Puffer, G. McHone, E.T. Rasbury and M. Et-Touhami, 2013, Zircon U-Pb Geochronology Links the End-Triassic Extinction with the Central Atlantic Magmatic Province: *Science*, 340, 941-945.
272. **Kent, D.V.** and G. Muttoni, 2013, Modulation of Late Cretaceous and Cenozoic climate by variable drawdown of atmospheric  $pCO_2$  from weathering of basaltic provinces on continents drifting through the equatorial humid belt: *Climate of the Past*, 9, 525-546.
273. Muttoni, G., G. Scardia and **D.V. Kent**, 2013, A critique of evidence for human occupation of Europe older than the Jaramillo Subchron (~1 Ma): Comment on "The oldest human fossil in Europe from Orce (Spain)" by Toro-Moyano et al. (2013): *Journal of Human Evolution*, 65, 746-749.
274. Wang, H. and **D.V. Kent**, 2013, A paleointensity technique for multidomain igneous rocks: *Geochemistry Geophysics Geosystems*, 14, 4195-4213.
275. Wang, H., **D.V. Kent** and M.J. Jackson, 2013, Evidence for abundant isolated magnetic nanoparticles at the Paleocene-Eocene boundary: *Proceedings of the National Academy of Sciences*, 110, 425-430.
276. **Kent, D.V.**, P.S. Malnis, C. Colombi, O. Alcober and R.N. Martínez, 2014, Age constraints on the dispersal of dinosaurs in the Late Triassic from magnetostratigraphy of the Los Colorados Formation (Argentina): *Proceedings of the National Academy of Sciences*, 111, 7958-7963.
277. Muttoni, G., **D.V. Kent**, G. Scardia and E. Monesi, 2014, Migration of hominins with megaherbivores into Europe via the Danube-Po Gateway in the late Matuyama climate revolution: *Rivista Italiana di Paleontologia e Stratigrafia*, 120, 351–365.
278. Muttoni, G., M. Mazza, D. Mosher, M.E. Katz, **D.V. Kent** and M. Balini, 2014, A Middle–Late Triassic (Ladinian–Rhaetian) carbon and oxygen isotope record from the Tethyan Ocean: *Palaogeography, Palaeoclimatology, Palaeoecology*, 399, 246-259.



279. Harmand, S., J.E. Lewis, C.S. Feibel, C.J. Lepre, S. Prat, A. Lenoble, X. Boës, R. L. Quinn, M. Brenet, S. Clément, G. Daver, J.-P. Brugal, L. Leakey, R.A. Mortlock, J.D. Wright, S. Lokorodi, C. Kirwa, **D.V. Kent** and H. Roche, 2015, 3.3 Ma Stone Tools from Lomekwi 3, West Turkana, Kenya: *Nature*, *521*, 310–315.
280. **Kent, D.V.**, B.A. Kjarsgaard, J.S. Gee, G. Muttoni and L.M. Heaman, 2015, Tracking the Late Jurassic Apparent (or True) Polar Shift in U-Pb dated Kimberlites from Cratonic North America (Superior Province of Canada): *Geochemistry Geophysics Geosystems*, *16*, 983–994.
281. Lepre, C.J. and **D.V. Kent**, 2015, Chronostratigraphy of KNM-ER 3733 and other Area 104 hominins from Koobi Fora: *Journal of Human Evolution*, *86*, 99–111.
282. Muttoni, G., **D.V. Kent**, G. Scardia and R.A. Martin, 2015, Bottleneck at Jaramillo for human migration to Iberia and rest of Europe?: *Journal of Human Evolution*, *80*, 187–190.
283. Muttoni, G., G. Scardia, V. Dimitrijević, **D.V. Kent**, E. Monesi, N. Mrdjic, and M. Korać, 2015, Age of *Mammuthus trogontherii* from Kostolac, Serbia, and the entry of megaherbivores into Europe during the Late Matuyama climate revolution: *Quaternary Research*, *84*, 439–447.
284. Olsen, P.E., J.C. Reid, K. Taylor, J.H. Whiteside and **D.V. Kent**, 2015, Revised Stratigraphy of Late Triassic Age Strata of the Dan River Basin (Virginia and North Carolina, USA) Based on Drill Core and Outcrop Data: *Southeastern Geology*, *51*, 1-31.
285. Opdyke, N.D., **D.V. Kent**, D.A. Foster and K. Huang, 2015, Paleomagnetism of Miocene volcanics on Sao Tome: Paleosecular variation at the Equator and a comparison to its latitudinal dependence over the last 5 Myr: *Geochemistry Geophysics Geosystems*, *16*, 3870–3882.
286. Schaller, M. F., J.D. Wright and **D.V. Kent**, 2015, A 30 Myr record of Late Triassic pCO<sub>2</sub> variation supports a fundamental control of the carbon-cycle by changes in continental weathering: *Geological Society of America Bulletin*, *127*, 661-671.
287. Wang, H., J. Wang, Y.-C.K. Chen-Wiegart and **D.V. Kent**, 2015, Quantified abundance of magnetofossils at the Paleocene-Eocene boundary from synchrotron-based transmission X-ray microscopy: *Proceedings of the National Academy of Sciences*, *112*, 12598–12603.
288. Wang, H., **D.V. Kent** and P. Rochette, 2015, Weaker axially dipolar time-averaged paleomagnetic field based on multidomain-corrected paleointensities from Galapagos lavas: *Proceedings of the National Academy of Sciences*, *112*, 15036–15041.
289. Balbas, A., A.A.P. Koppers, **D.V. Kent**, K. Konrad, and P.U. Clark, 2016, Identification of the short-lived Santa Rosa geomagnetic excursion in lavas on Floreana Island (Galapagos) by <sup>40</sup>Ar/<sup>39</sup>Ar geochronology: *Geology*, *44*, 359–362.
290. **Kent, D.V.**, 2016, In memoriam George Kukla (1930–2014): A pioneer using magnetostratigraphy for land-sea climate correlations: *Quaternary Perspectives*, *23*, 15–16.
291. Muttoni, G. and **D.V. Kent**, 2016, A novel plate tectonic scenario for the genesis and sealing of some major Mesozoic oil fields: *GSA Today*, *26*, 4–10.
292. Olsen, P. E., S.T. Kinney, N.V. Zakharova, R.W. Schlische, M.O. Withjack, **D.V. Kent**, D.S. Goldberg, and B.E. Slater, 2016, New Insights on Rift Basin Development and the Geological Carbon Cycle, Mass Extinction, and Carbon Sequestration from Outcrops, and New Core, Drill Holes and Seismic Lines from the Northern Newark Basin (New York and New Jersey) in A. E. Gates, and J. B. Bennington, eds., *New York State Geological Society Annual Field Conference, Rutgers Univ.-Newark, October 1<sup>st</sup> and 2<sup>nd</sup>, Field Trips A-6 and B-6*, 85p.

293. Schaller, M.F., M.K. Fung, J.D. Wright, M.E. Katz, and **D.V. Kent**, 2016, Impact ejecta at the Paleocene-Eocene boundary: *Science*, 354, 225–229.
294. Zakharova, N.V., D.S. Goldberg, P.E. Olsen, **D.V. Kent**, S. Morgan, Q. Yang, M. Stute, and J.M. Matter, 2016, New insights into lithology and hydrogeology of the northern Newark Rift Basin: *Geochemistry Geophysics Geosystems*, 17, 2070–2094.
295. Astini, R.A., C.E. Colombi, J.C. Candiani, **D.V. Kent**, C.C. Swisher, and B.D. Turrin, 2017, Early Miocene stratified volcanic agglomerates and volcanogenic conglomerates at the base of the Cenozoic series at Campo de Talampaya: stratigraphic interpretation and geologic significance: *Revista de la Asociación Geológica Argentina*, 74, 423–448.
296. **Kent, D.V.**, L. Lanci, H. Wang, and J.D. Wright, 2017, Enhanced magnetization of the Marlboro Clay as a product of soil pyrogenesis at the Paleocene-Eocene boundary?: *Earth and Planetary Science Letters*, 473, 303–312.
297. **Kent, D.V.**, P.E. Olsen and G. Muttoni, 2017, Astrochronostratigraphic polarity time scale (APTS) for the Late Triassic and Early Jurassic from continental sediments and correlation with standard marine stages: *Earth-Science Reviews*, 166, 153–180.
298. Muttoni, G., N. Sirakov, J.-L. Guadelli, E. Monesi, **D.V. Kent**, G. Scardia, A. Zerboni, and E. Ferrara, 2017, An early Brunhes (<0.78 Ma) age for the Lower Paleolithic tool-bearing Kozarnika cave sediments, Bulgaria: *Quaternary Science Reviews*, 178, 1–13.
299. Bachtadse, V., K. Aubele, G. Muttoni, A. Ronchi, U. Kirscher, and **D.V. Kent**, 2018, New Early Permian paleopoles from Sardinia confirm intra-Pangea mobility: *Tectonophysics*, 749, 21–34.
300. Fu, R.R., and **D.V. Kent**, 2018, Anomalous Late Jurassic motion of the Pacific Plate with implications for true polar wander: *Earth and Planetary Science Letters*, 490, 20–30.
301. **Kent, D.V.**, P.E. Olsen, C. Rasmussen, C. Lepre, R. Mundil, R.B. Irmis, G.E. Gehrels, D. Giesler, J.W. Geissman and W.G. Parker, 2018, Empirical evidence for stability of the 405-kiloyear Jupiter-Venus eccentricity cycle over hundreds of millions of years: *Proceedings of the National Academy of Sciences*, 115, 6153–6158. [www.pnas.org/cgi/doi/10.1073/pnas.1800891115](http://www.pnas.org/cgi/doi/10.1073/pnas.1800891115).
302. Lanci, L. and **D.V. Kent**, 2018, Forward modeling of thermally activated single-domain magnetic particles applied to First Order Reversal Curves: *Journal of Geophysical Research-Solid Earth*, 123, 3287–3300. doi:10.1002/2018JB015463.
303. Muttoni, G., G. Scardia, and **D.V. Kent**, 2018, Early hominins in Europe: The Galerian migration hypothesis: *Quaternary Science Reviews*, 180, 1–29.
304. Olsen, P. E., J. W. Geissman, **D.V. Kent**, G. E. Gehrels, R. Mundil, R. B. Irmis, C. Lepre, C. Rasmussen, D. Giesler, W. G. Parker, N. Zakharova, W. M. Kürschner, C. Miller, V. Baranyi, M. F. Schaller, J. H. Whiteside, D. Schnurrenberger, A. Noren, K. B. Shannon, R. O’Grady, M. W. Colbert, J. Maisano, D. Edey, S. T. Kinney, R. Molina-Garza, G. H. Bachman, J. Sha, and CPCP Team, 2018, Colorado Plateau Coring Project, Phase I (CPCP-I): A continuously cored, globally exportable chronology of Triassic continental environmental change from Western North America: *Scientific Drilling*, 24, 15–40.
305. **Kent, D.V.**, P.E. Olsen, C. Lepre, C. Rasmussen, R. Mundil, G.E. Gehrels, D. Giesler, R.B. Irmis, J.W. Geissman, and W.G. Parker, 2019, Magnetostratigraphy of the entire Chinle Formation (Norian age) in a scientific drill core from the Petrified Forest National Park (Arizona, USA) and implications for regional and global correlations in the Late Triassic: *Geochemistry Geophysics Geosystems*, 20, doi:10.1029/2019GC008474.

306. Mana, S., S. Hemming, **D.V. Kent**, and C. J. Lepre, 2019, Temporal and stratigraphic framework for paleoanthropology sites within East-Central Area 130, Koobi Fora, Kenya: *Frontiers in Earth Science*, 7:230, 1-13, 10.3389/feart.2019.00230
307. Maron, M., G. Muttoni, M. Rigo, P. Gianolla, and **D.V. Kent**, 2019, New magnetobiostratigraphic results from the Ladinian of the Dolomites and implications for the Early and Middle Triassic geomagnetic polarity timescale: *Paleogeography, Paleoclimatology, Paleocology*, 517, 52–73.
308. Muttoni, G., and **D.V. Kent**, 2019, Adria as promontory of Africa and its conceptual role in the Tethys Twist and Pangea B to Pangea A transformation in the Permian: *Rivista Italiana di Paleontologia e Stratigrafia*, 125(1), 249-269.
309. Muttoni, G., and **D.V. Kent**, 2019, Jurassic monster polar shift confirmed by sequential paleopoles from Adria, promontory of Africa: *Journal of Geophysical Research: Solid Earth*, 124, 10.1029/2018JB017199.
310. Muttoni, G., A. Nicora, M. Balini, M. Katz, M. Schaller, **D.V. Kent**, M. Maron, S. Meço, R. Rettori, V. Doda, and S. Nazaj, 2019, A candidate GSSP for the base of the Anisian from Kçira, Albania: *Albertiana*, 45, 39–49.
311. Olsen, P.E., J. Laskar, **D.V. Kent**, S.T. Kinney, D.J. Reynolds, J. Sha, and J.H. Whiteside, 2019, Mapping solar system chaos with the Geological Orrery: *Proceedings of the National Academy of Sciences*, 22, 10664–10673, doi:10.1073/pnas.1813901116.
312. Clemmensen, L.B., **D.V. Kent**, M. Mau, O. Mateus, and J. Milàn, 2020, Triassic lithostratigraphy of the Jameson Land Basin (central East Greenland), with emphasis on the new Fleming Fjord Group, *Bulletin of the Geological Society of Denmark*, 68, 95–132.
313. Fu, R.R., **D.V. Kent**, S. R. Hemming, P. Gutiérrez, and J.R. Creveling, 2020, Testing the occurrence of Late Jurassic true polar wander using the La Negra volcanics of northern Chile: *Earth and Planetary Science Letters*, 529, doi:10.1016/j.epsl.2019.115835.
314. Gehrels, G.E., D. Giesler, P.E. Olsen, **D.V. Kent**, A. Marsh, W.G. Parker, C. Rasmussen, R. Mundil, R.B. Irmis, J.W. Geissman, and C.J. Lepre, 2020, LA-ICPMS U-Pb geochronology of detrital zircon grains from the Coconino, Moenkopi, and Chinle Formations in the Petrified Forest National Park (Arizona): *Geochronology*, 2, 257–282.
315. **Kent, D.V.** and G. Muttoni, 2020, Pangea B and the Late Paleozoic Ice Age: *Palaogeography, Palaeoclimatology, Palaeoecology*, 553, 1–20, doi:10.1016/j.palaeo.2020.109753.
316. Rasmussen, C., R. Mundil, R.B. Irmis, D. Giesler, G. E. Gehrels, P.E. Olsen, **D.V. Kent**, C.J. Lepre, S.T. Kinney, J.W. Geissman, and W.G. Parker, 2020, U-Pb zircon geochronology and depositional age models for the Upper Triassic Chinle Formation (Petrified Forest National Park, Arizona, USA): implications for Late Triassic paleoecological and paleoenvironmental change: *Geological Society of America Bulletin*, 132, doi:10.1130/B35485.1
317. Zakharova, N.V., D.S. Goldberg, P.E. Olsen, D. Collins, and **D.V. Kent**, 2020, Reservoir and sealing properties of the Newark Rift basin formations: implications for carbon sequestration: *The Leading Edge*, 39, 38-46.

**Kent, D.V.** and L.B. Clemmensen, 2020. Northward dispersal of dinosaurs from Gondwana to Greenland at the mid-Norian (215 Ma, Late Triassic) big dip in atmospheric pCO<sub>2</sub>: *Proceedings of the National Academy of Sciences*, in review.

- Kent, D.V.**, P.E. Olsen, G. Muttoni, and M. Et-Touhami, 2020. A Late Permian paleopole from the Ikakern Formation (Argana basin, Morocco) and the configuration of Pangea: *Gondwana Research*, *in press*.
- Olsen, P. E., J. Sha, Y. Fang, C. Chang, S. Kinney, H.-D. Sues, **D.V. Kent**, J. H. Whiteside, M. Schaller, and V. Vajda., 2020, Arctic Ice and the Ecological Rise of the Dinosaurs: *Science*, *in review*.
- Wang, H. and **D.V. Kent**, 2020. A method to monitor thermoremanent alteration in Thellier-series paleointensity experiments. *Geophysical Research Letters*, *in review*.