

Paul R Renne

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8028327/paul-r-renne-publications-by-year.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

218
papers

17,097
citations

66
h-index

126
g-index

227
ext. papers

18,858
ext. citations

8
avg, IF

6.51
L-index

#	Paper	IF	Citations
218	New mammals from the Naskal intertrappean site and the age of India's earliest eutherians. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022 , 591, 110857	2.9	0
217	Reconciling early Deccan Traps CO outgassing and pre-KPB global climate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	8
216	Interpreting and reporting 40Ar/39Ar geochronologic data. <i>Bulletin of the Geological Society of America</i> , 2021 , 133, 461-487	3.9	28
215	The expansion of the Acheulian to the Southeastern Ethiopian Highlands: Insights from the new early Pleistocene site-complex of Melka Wakena. <i>Quaternary Science Reviews</i> , 2021 , 253, 106763	3.9	9
214	Earliest Palaeocene purgatoriid and the initial radiation of stem primates. <i>Royal Society Open Science</i> , 2021 , 8, 210050	3.3	7
213	No Cretaceous-Paleogene Boundary in Exposed Rajahmundry Traps: A Refined Chronology of the Longest Deccan Lava Flows From 40Ar/39Ar Dates, Magnetostratigraphy, and Biostratigraphy. <i>Geochemistry, Geophysics, Geosystems</i> , 2020 , 21, e2020GC009149	3.6	6
212	An Exhumation Pulse From the Nascent Franciscan Subduction Zone (California, USA). <i>Tectonics</i> , 2020 , 39, e2020TC006305	4.3	1
211	Boutique neutrons advance Ar/Ar geochronology. <i>Science Advances</i> , 2019 , 5, eaaw5526	14.3	2
210	The Central Atlantic Magmatic Province (CAMP) in Morocco. <i>Journal of Petrology</i> , 2019 , 60, 945-996	3.9	47
209	Constraints on the volume and rate of Deccan Traps flood basalt eruptions using a combination of high-resolution terrestrial mercury records and geochemical box models. <i>Earth and Planetary Science Letters</i> , 2019 , 524, 115721	5.3	16
208	Extending the tephra and palaeoenvironmental record of the Central Mediterranean back to 430 ka: A new core from Fucino Basin, central Italy. <i>Quaternary Science Reviews</i> , 2019 , 225, 106003	3.9	20
207	The eruptive tempo of Deccan volcanism in relation to the Cretaceous-Paleogene boundary. <i>Science</i> , 2019 , 363, 866-870	33.3	166
206	Flood Basalts and Mass Extinctions. <i>Annual Review of Earth and Planetary Sciences</i> , 2019 , 47, 275-303	15.3	57
205	On the reliability of the Matuyama-Brunhes record in the Sulmona Basin: Comment to A reappraisal of the proposed rapid Matuyama-Brunhes geomagnetic reversal in the Sulmona Basin, Italy by Evans and Muxworthy (2018). <i>Geophysical Journal International</i> , 2019 , 216, 296-301	2.6	5
204	Contemporaneous alkaline and tholeiitic magmatism in the Ponta Grossa Arch, Paraná Etendeka Magmatic Province: Constraints from U-Th zircon/baddeleyite and 40 Ar/ 39 Ar phlogopite dating of the José Fernandes Gabbro and mafic dykes. <i>Journal of Volcanology and Geothermal Research</i> , 2019 , 355, 55-65	2.8	24
203	Design, construction, and characterization of a compact DD neutron generator designed for 40Ar/39Ar geochronology. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018 , 903, 193-203	1.2	7
202	Multi-proxy record of the Chicxulub impact at the Cretaceous-Paleogene boundary from Gorgonilla Island, Colombia. <i>Geology</i> , 2018 , 46, 547-550	5	22

201	Early mammalian recovery after the end-Cretaceous mass extinction: A high-resolution view from McGuire Creek area, Montana, USA. <i>Bulletin of the Geological Society of America</i> , 2018 ,	3.9	5
200	A tale of two Walker Lane pull-apart basins in the ancestral Cascades arc, central Sierra Nevada, California 2018 , 14, 2068-2117		6
199	Calibration of chron C29r: New high-precision geochronologic and paleomagnetic constraints from the Hell Creek region, Montana. <i>Bulletin of the Geological Society of America</i> , 2018 , 130, 1615-1644	3.9	58
198	New measurement of the ²³⁸ U decay constant with inductively coupled plasma mass spectrometry. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018 , 318, 711-721	1.5	7
197	The New CLOCIT Irradiation Facility for ⁴⁰ Ar/ ³⁹ Ar Geochronology: Characterisation, Comparison with CLICIT and Implications for High-Precision Geochronology. <i>Geostandards and Geoanalytical Research</i> , 2018 , 42, 301-307	3.6	3
196	Tracking Physicochemical Conditions of Evaporite Deposition by Stable Magnesium Isotopes: A Case Study of Late Permian Langbeinites. <i>Geochemistry, Geophysics, Geosystems</i> , 2018 , 19, 2615-2630	3.6	5
195	Triggering of the largest Deccan eruptions by the Chicxulub impact: Reply. <i>Bulletin of the Geological Society of America</i> , 2017 , 129, 256-256	3.9	2
194	First integrated tephrochronological record for the last ~190 kyr from the Fucino Quaternary lacustrine succession, central Italy. <i>Quaternary Science Reviews</i> , 2017 , 158, 211-234	3.9	50
193	Beam-induced back-streaming electron suppression analysis for an accelerator type neutron generator designed for Ar/Ar geochronology. <i>Applied Radiation and Isotopes</i> , 2017 , 125, 124-128	1.7	6
192	Quantifying interference of krypton produced from neutron irradiation of inclusion-hosted and lattice-coordinated bromine with ⁴⁰ Ar/ ³⁹ Ar geochronology. <i>Geochimica Et Cosmochimica Acta</i> , 2017 , 211, 1-9	5.5	3
191	High-precision ⁴⁰ Ar/ ³⁹ Ar dating of pleistocene tuffs and temporal anchoring of the Matuyama-Brunhes boundary. <i>Quaternary Geochronology</i> , 2017 , 39, 1-23	2.7	66
190	Radical interpretations preclude the use of climatic wiggle matching for resolution of event timings at the highest levels of attainable precision. <i>Quaternary Geochronology</i> , 2017 , 42, 60-62	2.7	
189	Intercalibration and age of the Alder Creek sanidine ⁴⁰ Ar/ ³⁹ Ar standard. <i>Quaternary Geochronology</i> , 2017 , 39, 205-213	2.7	78
188	Evidence of An Early Cretaceous Giant Dyke Swarm in Northeast Brazil (South America): A Geodynamic Overview. <i>Acta Geologica Sinica</i> , 2016 , 90, 109-110	0.7	
187	Importance of titanohematite in detrital remanent magnetizations of strata spanning the Cretaceous-Paleogene boundary, Hell Creek region, Montana. <i>Geochemistry, Geophysics, Geosystems</i> , 2016 , 17, 660-678	3.6	11
186	How fast was the Matuyama-Brunhes geomagnetic reversal? A new subcentennial record from the Sulmona Basin, central Italy. <i>Geophysical Journal International</i> , 2016 , 204, 798-812	2.6	35
185	Early to Middle Miocene climate in the Atacama Desert of Northern Chile. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2016 , 441, 890-900	2.9	13
184	Triggering of the largest Deccan eruptions by the Chicxulub impact. <i>Bulletin of the Geological Society of America</i> , 2015 , 127, 1507-1520	3.9	115

183	Duration and dynamics of the best orbital analogue to the present interglacial. <i>Geology</i> , 2015 , 43, 603-606	58
182	State shift in Deccan volcanism at the Cretaceous-Paleogene boundary, possibly induced by impact. <i>Science</i> , 2015 , 350, 76-8	33.3 218
181	Chemical and Pb isotope composition of phenocrysts from bentonites constrains the chronostratigraphy around the Cretaceous-Paleogene boundary in the Hell Creek region, Montana. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 2743-2761	3.6 8
180	Temporal-spatial evolution of low-SiO ₂ volcanism in the Pleistocene West Eifel volcanic field (West Germany) and relationship to upwelling asthenosphere. <i>Journal of Geodynamics</i> , 2015 , 88, 59-79	2.2 17
179	Assimilation of preexisting Pleistocene intrusions at Long Valley by periodic magma recharge accelerates rhyolite generation: rethinking the remelting model. <i>Contributions To Mineralogy and Petrology</i> , 2014 , 167, 1	3.5 32
178	Multiple migmatite events and cooling from granulite facies metamorphism within the Famatina arc margin of northwest Argentina. <i>Tectonics</i> , 2014 , 33, 1-25	4.3 32
177	Crustal shortening, exhumation, and strain localization in a collisional orogen: The Bajo Pequeño Shear Zone, Sierra de Pie de Palo, Argentina. <i>Tectonics</i> , 2014 , 33, 1277-1303	4.3 8
176	Extremely rapid directional change during Matuyama-Brunhes geomagnetic polarity reversal. <i>Geophysical Journal International</i> , 2014 , 199, 1110-1124	2.6 93
175	Diversity, Extinction, and Recovery in Terrestrial Ecosystems Across the K/Pg Boundary in North America and India. <i>The Paleontological Society Special Publications</i> , 2014 , 13, 130-131	
174	Some footnotes to the optimization-based calibration of the ⁴⁰ Ar/ ³⁹ Ar system. <i>Geological Society Special Publication</i> , 2014 , 378, 21-31	1.7 12
173	Assessing the relationships of the Hell Creek-Bort Union contact, Cretaceous-Paleogene boundary, and Chicxulub impact ejecta horizon at the Hell Creek Formation lectostratotype, Montana, USA 2014 ,	3
172	The role of tephra studies in African paleoanthropology as exemplified by the Sidi Hakoma Tuff. <i>Journal of African Earth Sciences</i> , 2013 , 77, 41-58	2.2 7
171	Kinetics of argon diffusion in calcite. <i>Chemie Der Erde</i> , 2013 , 73, 113-115	4.3 3
170	Systematic variations of argon diffusion in feldspars and implications for thermochronometry. <i>Geochimica Et Cosmochimica Acta</i> , 2013 , 112, 251-287	5.5 68
169	Time scales of critical events around the Cretaceous-Paleogene boundary. <i>Science</i> , 2013 , 339, 684-7	33.3 396
168	The characteristics and chronology of the earliest Acheulean at Konso, Ethiopia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 1584-91	11.5 242
167	Evaluation surface-Fault Rupture Risk to a Penstock Using the ⁴⁰ Ar/ ³⁹ Ar Dating Method. <i>AGU Reference Shelf</i> , 2013 , 509-515	
166	K-Ar and ⁴⁰ Ar/ ³⁹ Ar Dating. <i>AGU Reference Shelf</i> , 2013 , 77-100	14

165	A chronological framework for a long and persistent archaeological record: Melka Kunture, Ethiopia. <i>Journal of Human Evolution</i> , 2012 , 62, 104-15	3.1	44
164	Geochronology of the Manyara Beds, northern Tanzania: New tephrostratigraphy, magnetostratigraphy and $^{40}\text{Ar}/^{39}\text{Ar}$ ages. <i>Quaternary Geochronology</i> , 2012 , 7, 48-66	2.7	10
163	Neon diffusion kinetics in olivine, pyroxene and feldspar: Retentivity of cosmogenic and nucleogenic neon. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 86, 21-36	5.5	16
162	Retention of inherited Ar by alkali feldspar xenocrysts in a magma: Kinetic constraints from Ba zoning profiles. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 93, 129-142	5.5	13
161	$^{40}\text{Ar}/^{39}\text{Ar}$ ages for deep (~3.3 km) samples from the Hawaii Scientific Drilling Project, Mauna Kea volcano, Hawaii. <i>Geochemistry, Geophysics, Geosystems</i> , 2012 , 13,	3.6	14
160	Trapped Ar isotopes in meteorite ALH 84001 indicate Mars did not have a thick ancient atmosphere. <i>Icarus</i> , 2012 , 221, 461-465	3.8	22
159	Magnetic properties of ilmenite-hematite single crystals from the Ecstall pluton near Prince Rupert, British Columbia. <i>Geochemistry, Geophysics, Geosystems</i> , 2011 , 12, n/a-n/a	3.6	13
158	A lattice Boltzmann model for noble gas diffusion in solids: The importance of domain shape and diffusive anisotropy and implications for thermochronometry. <i>Geochimica Et Cosmochimica Acta</i> , 2011 , 75, 2170-2186	5.5	25
157	Response to the comment by W.H. Schwarz et al. on Joint determination of ^{40}K decay constants and $^{40}\text{Ar}^*/^{40}\text{K}$ for the Fish Canyon sanidine standard, and improved accuracy for $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology by P.R. Renne et al. (2010). <i>Geochimica Et Cosmochimica Acta</i> , 2011 , 75, 5097-5100	5.5	43 ⁸
156	Argon diffusion in pyroxenes: Implications for thermochronometry and mantle degassing. <i>Earth and Planetary Science Letters</i> , 2011 , 304, 407-416	5.3	53
155	New Middle Eocene Whales from the Pisco Basin of Peru. <i>Journal of Paleontology</i> , 2011 , 85, 955-969	1.1	32
154	A basal dinosaur from the dawn of the dinosaur era in southwestern Pangaea. <i>Science</i> , 2011 , 331, 206-1033	3.3	234
153	High-precision U/Bb geochronology of the Butedale pluton, British Columbia This article is one of a series of papers published in this Special Issue on the theme of Geochronology in honour of Tom Krogh.. <i>Canadian Journal of Earth Sciences</i> , 2011 , 48, 557-565	1.5	2
152	IUPAC-IUGS common definition and convention on the use of the year as a derived unit of time (IUPAC Recommendations 2011). <i>Pure and Applied Chemistry</i> , 2011 , 83, 1159-1162	2.1	9
151	Thermal history of the Ecstall pluton from $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology and thermal modeling. <i>Geochimica Et Cosmochimica Acta</i> , 2010 , 74, 4375-4391	5.5	12
150	Joint determination of ^{40}K decay constants and $^{40}\text{Ar}^*/^{40}\text{K}$ for the Fish Canyon sanidine standard, and improved accuracy for $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology. <i>Geochimica Et Cosmochimica Acta</i> , 2010 , 74, 5349-5367	5.5	61 ⁶
149	Evidence for shock heating and constraints on Martian surface temperatures revealed by $^{40}\text{Ar}/^{39}\text{Ar}$ thermochronometry of Martian meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2010 , 74, 6900-6920	5.5	71
148	Re/Os geochronology of a Mesoproterozoic sedimentary succession, Taoudeni basin, Mauritania: Implications for basin-wide correlations and Re/Os organic-rich sediments systematics. <i>Earth and Planetary Science Letters</i> , 2010 , 289, 486-496	5.3	122

147	Age of the Dakhleh impact event and implications for Middle Stone Age archeology in the Western Desert of Egypt. <i>Earth and Planetary Science Letters</i> , 2010 , 291, 201-206	5.3	13
146	Preliminary dating of the Viluy traps (Eastern Siberia): Eruption at the time of Late Devonian extinction events?. <i>Earth and Planetary Science Letters</i> , 2010 , 300, 239-245	5.3	77
145	The age of the Steens reversal and the Columbia River Basalt Group. <i>Chemical Geology</i> , 2010 , 274, 158-168	4.8	34
144	The Triassic timescale: new constraints and a review of geochronological data. <i>Geological Society Special Publication</i> , 2010 , 334, 41-60	1.7	63
143	Thermal modification of hematite-ilmenite intergrowths in the Ecstall pluton, British Columbia, Canada. <i>American Mineralogist</i> , 2010 , 95, 153-160	2.9	11
142	Cenozoic palaeocanyon evolution, Ancestral Cascades arc volcanism, and structure of the Hope Valley-Carson Pass region, Sierra Nevada, California. <i>International Geology Review</i> , 2009 , 51, 777-823	2.3	16
141	Evidence of multi-phase Cretaceous to Quaternary alkaline magmatism on the Madeira Rise and neighbouring seamounts from $40\text{Ar}/39\text{Ar}$ ages. <i>Journal of the Geological Society</i> , 2009 , 166, 879-894	2.7	37
140	The geological, isotopic, botanical, invertebrate, and lower vertebrate surroundings of <i>Ardipithecus ramidus</i> . <i>Science</i> , 2009 , 326, 65e1-5	33.3	127
139	Large mafic eruptions at Alban Hills Volcanic District (Central Italy): Chronostratigraphy, petrography and eruptive behavior. <i>Journal of Volcanology and Geothermal Research</i> , 2009 , 179, 217-232	2.8	99
138	Accessory mineral $\text{U}/\text{Th}/\text{Pb}$ ages and $40\text{Ar}/39\text{Ar}$ eruption chronology, and their bearing on rhyolitic magma evolution in the Pleistocene Coso volcanic field, California. <i>Contributions To Mineralogy and Petrology</i> , 2009 , 158, 421-446	3.5	19
137	High-precision $40\text{Ar}/39\text{Ar}$ age constraints on the basal Lanqi Formation and its implications for the origin of angiosperm plants. <i>Earth and Planetary Science Letters</i> , 2009 , 279, 212-221	5.3	71
136	Argon diffusion in plagioclase and implications for thermochronometry: A case study from the Bushveld Complex, South Africa. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 6600-6612	5.5	76
135	High-precision $40\text{Ar}/39\text{Ar}$ age for the Jehol Biota. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2009 , 280, 94-104	2.9	165
134	Archaeological age constraints from extrusion ages of obsidian: Examples from the Middle Awash, Ethiopia. <i>Quaternary Geochronology</i> , 2009 , 4, 193-203	2.7	43
133	The isotopic composition of atmospheric argon and $40\text{Ar}/39\text{Ar}$ geochronology: Time for a change?. <i>Quaternary Geochronology</i> , 2009 , 4, 288-298	2.7	91
132	Data reporting norms for $40\text{Ar}/39\text{Ar}$ geochronology. <i>Quaternary Geochronology</i> , 2009 , 4, 346-352	2.7	86
131	Age constraints on alleged footprints preserved in the Xalnene Tuff near Puebla, Mexico. <i>Geology</i> , 2009 , 37, 267-270	5	9
130	Quickly erupted volcanic sections of the Steens Basalt, Columbia River Basalt Group: Secular variation, tectonic rotation, and the Steens Mountain reversal. <i>Geochemistry, Geophysics, Geosystems</i> , 2008 , 9, n/a-n/a	3.6	34

129	Comment on Synchrony between the Central Atlantic magmatic province and the Triassic-Jurassic mass-extinction event? By Whiteside et al. (2007) <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2008 , 262, 189-193	2.9	19
128	Implications of pre-eruptive magmatic histories of zircons for U-Pb geochronology of silicic extrusions. <i>Earth and Planetary Science Letters</i> , 2008 , 266, 182-194	5.3	127
127	⁴⁰ Ar/ ³⁹ Ar dating of plagioclase grain size separates from silicate inclusions in IAB iron meteorites and implications for the thermochronological evolution of the IAB parent body. <i>Geochimica Et Cosmochimica Acta</i> , 2008 , 72, 1231-1255	5.5	28
126	Cl-derived argon isotope production in the CLICIT facility of OSTR reactor and the effects of the Cl-correction in ⁴⁰ Ar/ ³⁹ Ar geochronology. <i>Chemical Geology</i> , 2008 , 255, 463-466	4.2	27
125	Diachronous dawn of Africa's Middle Stone Age: New ⁴⁰ Ar/ ³⁹ Ar ages from the Ethiopian Rift. <i>Geology</i> , 2008 , 36, 967	5	68
124	A numerically calibrated reference level (MP28) for the terrestrial mammal-based biozonation of the European Upper Oligocene. <i>International Journal of Earth Sciences</i> , 2007 , 96, 353-361	2.2	46
123	Cambrian initiation of the Las Pirquitas thrust of the western Sierras Pampeanas, Argentina: Implications for the tectonic evolution of the proto-Andean margin of South America. <i>Geology</i> , 2007 , 35, 443	5	35
122	Radioisotopic age constraints for Glacial Terminations IX and VII from aggradational sections of the Tiber River delta in Rome, Italy. <i>Earth and Planetary Science Letters</i> , 2007 , 256, 61-80	5.3	44
121	U-Pb and ⁴⁰ Ar/ ³⁹ Ar dating of the Miocene fossil track site at Ipolytarnó (Hungary) and its implications. <i>Earth and Planetary Science Letters</i> , 2007 , 258, 160-174	5.3	32
120	Age calibration of the Fish Canyon sanidine ⁴⁰ Ar/ ³⁹ Ar dating standard using primary K-Ar standards. <i>Geochimica Et Cosmochimica Acta</i> , 2007 , 71, 387-402	5.5	185
119	Solar and cosmogenic argon in dated lunar impact spherules. <i>Geochimica Et Cosmochimica Acta</i> , 2007 , 71, 1624-1635	5.5	31
118	³⁹ Ar and ³⁷ Ar recoil loss during neutron irradiation of sanidine and plagioclase. <i>Geochimica Et Cosmochimica Acta</i> , 2007 , 71, 2791-2808	5.5	51
117	Geodynamic Setting of the Tertiary Hoheifel Volcanism (Germany), Part I: ⁴⁰ Ar/ ³⁹ Ar geochronology 2007 , 185-206		10
116	The record of Miocene impacts in the Argentine Pampas. <i>Meteoritics and Planetary Science</i> , 2006 , 41, 749-771	2.8	31
115	Renne receives 2005 N.L. Bowen award. <i>Eos</i> , 2006 , 87, 140	1.5	
114	Effects of internal mineral structures on the magnetic remanence of silicate-hosted titanomagnetite inclusions: An electron holography study. <i>Journal of Geophysical Research</i> , 2006 , 111, n/a-n/a		41
113	Quantification of ³⁹ Ar recoil ejection from GA1550 biotite during neutron irradiation as a function of grain dimensions. <i>Geochimica Et Cosmochimica Acta</i> , 2006 , 70, 1507-1517	5.5	38
112	Forensic ⁴⁰ Ar/ ³⁹ Ar dating: a provenance study of Middle Stone Age obsidian artifacts from Ethiopia. <i>Journal of Archaeological Science</i> , 2006 , 33, 1749-1765	2.9	33

111	Preferred orientation and anisotropy of seismic and magnetic properties in gabbro-norites from the Bushveld layered intrusion. <i>Tectonophysics</i> , 2006 , 420, 345-356	3.1	29
110	Asa Issie, Aramis and the origin of Australopithecus. <i>Nature</i> , 2006 , 440, 883-9	50.4	204
109	Eruptive history and petrologic evolution of the Albano multiple maar (Alban Hills, Central Italy). <i>Bulletin of Volcanology</i> , 2006 , 68, 567-591	2.4	79
108	$^{40}\text{Ar}/^{39}\text{Ar}$ age of a young rejuvenation basalt flow: Implications for the duration of volcanism and the timing of carbonate platform development during the quaternary on Kaua'i, Hawaiian Islands. <i>New Zealand Journal of Geology, and Geophysics</i> , 2005 , 48, 199-211	1.6	10
107	Paleomagnetism and $^{40}\text{Ar}/^{39}\text{Ar}$ Geochronology of Yemeni Oligocene volcanics: Implications for timing and duration of Afro-Arabian traps and geometry of the Oligocene paleomagnetic field. <i>Earth and Planetary Science Letters</i> , 2005 , 237, 647-672	5.3	29
106	Reply to $^{40}\text{Ar}/^{39}\text{Ar}$ dating of the Rajahmundry Traps, Eastern India and their relationship to the Deccan Traps: Discussion by A.K. Baksi. <i>Earth and Planetary Science Letters</i> , 2005 , 239, 374-382	5.3	17
105	The $^{40}\text{Ar}/^{39}\text{Ar}$ dating of core recovered by the Hawaii Scientific Drilling Project (phase 2), Hilo, Hawaii. <i>Geochemistry, Geophysics, Geosystems</i> , 2005 , 6, n/a-n/a	3.6	94
104	$^{40}\text{Ar}/^{39}\text{Ar}$ dating of Apollo 12 impact spherules. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	40
103	Radioisotopic and biostratigraphic age relations in the Coast Range Ophiolite, northern California: Implications for the tectonic evolution of the Western Cordillera. <i>Bulletin of the Geological Society of America</i> , 2005 , 117, 633	3.9	70
102	Application of deuteron-deuteron (D-D) fusion neutrons to $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology. <i>Applied Radiation and Isotopes</i> , 2005 , 62, 25-32	1.7	51
101	U/Pb and Pb/Pb zircon ages for arc-related intrusions of the Bolu Massif (W Pontides, NW Turkey): evidence for Late Precambrian (Cadomian) age. <i>Terra Nova</i> , 2005 , 17, 215-223	3	87
100	Early Pliocene hominids from Gona, Ethiopia. <i>Nature</i> , 2005 , 433, 301-5	50.4	113
99	Geochronology: age of Mexican ash with alleged 'footprints'. <i>Nature</i> , 2005 , 438, E7-8	50.4	30
98	Volcanic stratigraphy of large-volume silicic pyroclastic eruptions during Oligocene Afro-Arabian flood volcanism in Yemen. <i>Bulletin of Volcanology</i> , 2005 , 68, 135-156	2.4	45
97	Exsolved magnetite inclusions in silicates: Features determining their remanence behavior. <i>Geology</i> , 2005 , 33, 513	5	86
96	Evolution of a volcanic rifted margin: Southern Red Sea, Ethiopia. <i>Bulletin of the Geological Society of America</i> , 2005 , 117, 846	3.9	175
95	Multi-Stage Origin of the Coast Range Ophiolite, California: Implications for the Life Cycle of Supra-Subduction Zone Ophiolites. <i>International Geology Review</i> , 2004 , 46, 289-315	2.3	93
94	Is Bedout an impact crater? Take 2. <i>Science</i> , 2004 , 306, 610-2; author reply 610-2	33.3	31

93	Epitaxial relationships of clinopyroxene-hosted magnetite determined using electron backscatter diffraction (EBSD) technique. <i>American Mineralogist</i> , 2004 , 89, 462-466	2.9	47
92	⁴⁰ Ar/ ³⁹ Ar age constraints on ore deposition and cooling of the Bushveld Complex, South Africa. <i>Journal of the Geological Society</i> , 2004 , 161, 411-420	2.7	27
91	Mio-Pliocene mammals from the Middle Awash, Ethiopia. <i>Geobios</i> , 2004 , 37, 536-552	1.5	42
90	Synchrony of the Central Atlantic magmatic province and the Triassic-Jurassic boundary climatic and biotic crisis. <i>Geology</i> , 2004 , 32, 973	5	254
89	Age and timing of the Permian mass extinctions: U/Pb dating of closed-system zircons. <i>Science</i> , 2004 , 305, 1760-3	33.3	462
88	Geoscience methods lead to paleo-anthropological discoveries in Afar Rift, Ethiopia. <i>Eos</i> , 2004 , 85, 273	1.5	4
87	Geomagnetic paleointensity and direct age determination of the ISEA (M0r?) chron. <i>Earth and Planetary Science Letters</i> , 2004 , 217, 285-295	5.3	38
86	The Quaternary impact record from the Pampas, Argentina. <i>Earth and Planetary Science Letters</i> , 2004 , 219, 221-238	5.3	50
85	The paleomagnetic effects of reheating the Ecstall pluton, British Columbia. <i>Earth and Planetary Science Letters</i> , 2004 , 221, 397-407	5.3	11
84	Miocene volcanism in the Lhasa block, Tibet: spatial trends and geodynamic implications. <i>Earth and Planetary Science Letters</i> , 2004 , 221, 227-243	5.3	97
83	2.6-Million-year-old stone tools and associated bones from OGS-6 and OGS-7, Gona, Afar, Ethiopia. <i>Journal of Human Evolution</i> , 2003 , 45, 169-77	3.1	307
82	A Neogene geomagnetic polarity transition record from lavas of the Canary Islands, Spain: episodic volcanism and/or metastable transitional fields?. <i>Geophysical Journal International</i> , 2003 , 154, 426-440	2.6	9
81	Pleistocene Plant Fossils in and near La Selva Biological Station, Costa Rica ¹ . <i>Biotropica</i> , 2003 , 35, 434-441	1.3	9
80	Stratigraphic, chronological and behavioural contexts of Pleistocene Homo sapiens from Middle Awash, Ethiopia. <i>Nature</i> , 2003 , 423, 747-52	50.4	303
79	Dating of the Herto hominin fossils. <i>Nature</i> , 2003 , 426, 622-622	50.4	6
78	⁴⁰ Ar/ ³⁹ Ar dating of the Rajahmundry Traps, Eastern India and their relationship to the Deccan Traps. <i>Earth and Planetary Science Letters</i> , 2003 , 208, 85-99	5.3	65
77	Single grain (U ^{IV} h)/He ages from phosphates in Acapulco meteorite and implications for thermal history. <i>Earth and Planetary Science Letters</i> , 2003 , 209, 323-336	5.3	45
76	On the ages of flood basalt events. <i>Comptes Rendus - Geoscience</i> , 2003 , 335, 113-140	1.4	580

75	The Central Atlantic Magmatic Province (CAMP) in Brazil: Petrology, geochemistry, $^{40}\text{Ar}/^{39}\text{Ar}$ ages, paleomagnetism and geodynamic implications. <i>Geophysical Monograph Series</i> , 2003 , 91-128	1.1	20
74	Remains of <i>Homo erectus</i> from Bouri, Middle Awash, Ethiopia. <i>Nature</i> , 2002 , 416, 317-20	50.4	208
73	Statistical Methods for Jointly Estimating the Decay Constant of ^{40}K and the Age of a Dating Standard. <i>Mathematical Geosciences</i> , 2002 , 34, 457-474		59
72	Geology. Flood basalts--bigger and badder. <i>Science</i> , 2002 , 296, 1812-3	33.3	2
71	Coastal landsliding and catastrophic sedimentation triggered by Cretaceous-Tertiary bolide impact: A Pacific margin example?. <i>Geology</i> , 2002 , 30, 687	5	12
70	Paleomagnetism of the early Triassic Semeitau igneous series, eastern Kazakstan. <i>Journal of Geophysical Research</i> , 2002 , 107, EPM 4-1-EPM 4-15		26
69	Oriented inclusions of magnetite in clinopyroxene: Source of stable remanent magnetization in gabbros of the Messum Complex, Namibia. <i>Geochemistry, Geophysics, Geosystems</i> , 2002 , 3, 1-11	3.6	40
68	Spatially correlated anomalous $^{40}\text{Ar}/^{39}\text{Ar}$ age variations in biotites about a lithologic contact near Simplon Pass, Switzerland: a mechanistic explanation for excess Ar. <i>Geochimica Et Cosmochimica Acta</i> , 2002 , 66, 1067-1083	5.5	59
67	Matching conjugate volcanic rifted margins: $^{40}\text{Ar}/^{39}\text{Ar}$ chrono-stratigraphy of pre- and syn-rift bimodal flood volcanism in Ethiopia and Yemen. <i>Earth and Planetary Science Letters</i> , 2002 , 198, 289-306	5.3	193
66	Stratigraphy and geochronology of the Comondú Group near Loreto, Baja California sur, Mexico. <i>Sedimentary Geology</i> , 2001 , 144, 125-147	2.8	66
65	Geology and palaeontology of the Late Miocene Middle Awash valley, Afar rift, Ethiopia. <i>Nature</i> , 2001 , 412, 175-8	50.4	173
64	The history of the Monti Sabatini and Alban Hills volcanoes: groundwork for assessing volcanic-tectonic hazards for Rome. <i>Journal of Volcanology and Geothermal Research</i> , 2001 , 107, 185-219	2.8	160
63	Determination of the half-life of ^{37}Ar by mass spectrometry. <i>Physical Review C</i> , 2001 , 63,	2.7	37
62	Age of Ancient Monuments by Means of Building Stone Provenance: a Case Study of the Tullianum, Rome, Italy. <i>Journal of Archaeological Science</i> , 2001 , 28, 387-393	2.9	16
61	The viability of leucite for $^{40}\text{Ar}/^{39}\text{Ar}$ dating and as a Quaternary standard. <i>Chemical Geology</i> , 2001 , 177, 473-482	4.2	4
60	$^{40}\text{Ar}/^{39}\text{Ar}$ dating of Ordovician K-bentonites in Laurentia and Baltoscandia. <i>Earth and Planetary Science Letters</i> , 2001 , 185, 121-134	5.3	72
59	Timing of the Permian-Triassic biotic crisis: implications from new zircon U/Pb age data (and their limitations). <i>Earth and Planetary Science Letters</i> , 2001 , 187, 131-145	5.3	168
58	Terrestrial cosmogenic argon. <i>Earth and Planetary Science Letters</i> , 2001 , 188, 435-440	5.3	23

57	40Ar/39Ar dating of Late Permian evaporites, southeastern New Mexico, USA. <i>Earth and Planetary Science Letters</i> , 2001 , 193, 539-547	5.3	27
56	Neogene volcanism at the front of the central Mexican volcanic belt: Basaltic andesites to dacites, with contemporaneous shoshonites and high-TiO ₂ lava. <i>Bulletin of the Geological Society of America</i> , 2001 , 113, 1324-1342	3.9	50
55	The Permian-Triassic boundary & mass extinction in China. <i>Episodes</i> , 2001 , 24, 239-244	1.6	21
54	Geochronology on the paleoanthropological time scale. <i>Evolutionary Anthropology</i> , 2000 , 9, 101-110	4.7	28
53	Chronostratigraphy and correlation of the Plio-Pleistocene tephra layers of the Konso Formation, southern Main Ethiopian Rift, Ethiopia. <i>Quaternary Science Reviews</i> , 2000 , 19, 1305-1317	3.9	49
52	40Ar/39Ar age of plagioclase from Acapulco meteorite and the problem of systematic errors in cosmochronology. <i>Earth and Planetary Science Letters</i> , 2000 , 175, 13-26	5.3	83
51	A test for systematic errors in 40Ar/39Ar geochronology through comparison with U/Pb analysis of a 1.1-Ga rhyolite. <i>Geochimica Et Cosmochimica Acta</i> , 2000 , 64, 73-98	5.5	614
50	Lunar impact history from (40)Ar/(39)Ar dating of glass spherules. <i>Science</i> , 2000 , 287, 1785-8	33.3	160
49	Chronostratigraphy of the MiocenePliocene Sagantole Formation, Middle Awash Valley, Afar rift, Ethiopia. <i>Bulletin of the Geological Society of America</i> , 1999 , 111, 869-885	3.9	75
48	Silicic magmas from the continental Cameroon Volcanic Line (Oku, Bambouto and Ngaoundere): 40Ar-39Ar dates, petrology, Sr-Nd-O isotopes and their petrogenetic significance. <i>Contributions To Mineralogy and Petrology</i> , 1999 , 135, 133-150	3.5	94
47	Extensive 200-million-year-Old continental flood basalts of the central atlantic magmatic province. <i>Science</i> , 1999 , 284, 616-8	33.3	611
46	40Ar/39Ar and Rb/Sr geochronology of the Uruguayan dike swarm, Rio de la Plata Craton and implications for Proterozoic intraplate activity in western Gondwana. <i>Precambrian Research</i> , 1999 , 93, 153-180	3.9	63
45	Environment and behavior of 2.5-million-year-old Bouri hominids. <i>Science</i> , 1999 , 284, 625-9	33.3	392
44	40Ar/39Ar dating in paleoanthropology and archeology. <i>Evolutionary Anthropology</i> , 1998 , 6, 63-75	4.7	21
43	Intercalibration of standards, absolute ages and uncertainties in 40Ar/39Ar dating. <i>Chemical Geology</i> , 1998 , 145, 117-152	4.2	1350
42	40Ar/39Ar geochronology of Roman volcanic province tephra in the Tiber River valley: Age calibration of middle Pleistocene sea-level changes. <i>Bulletin of the Geological Society of America</i> , 1998 , 110, 0740	3.9	91
41	40Ar/39Ar dating of single muscovite grains in Jurassic siliciclastic rocks (San Cayetano Formation): Constraints on the paleoposition of western Cuba. <i>Geology</i> , 1998 , 26, 83	5	19
40	Magma flow inferred from anisotropy of magnetic susceptibility in the coastal ParanÉtendeka igneous province: Evidence for rifting before flood volcanism. <i>Geology</i> , 1997 , 25, 1131	5	30

39	40Ar/39Ar dating of the Skaergaard intrusion. <i>Earth and Planetary Science Letters</i> , 1997 , 146, 645-658	5:3	53
38	The first skull of <i>Australopithecus boisei</i> . <i>Nature</i> , 1997 , 389, 489-92	50:4	114
37	Age of the Ponta Grossa dike swarm (Brazil), and implications to Parana flood volcanism. <i>Earth and Planetary Science Letters</i> , 1996 , 144, 199-211	5:3	197
36	Quaternary fluvial-volcanic stratigraphy and geochronology of the Capitoline Hill in Rome. <i>Geology</i> , 1996 , 24, 751	5	25
35	Age of Etendeka flood volcanism and associated intrusions in southwestern Africa. <i>Geology</i> , 1996 , 24, 659	5	207
34	U.S.-Chinese Collaborations. <i>Science</i> , 1996 , 274, 1821-1821	33:3	
33	U.S.-Chinese Collaborations. <i>Science</i> , 1996 , 274, 1821-1821	33:3	
32	Arc-rift transition volcanism in the Puertecitos Volcanic Province, northeastern Baja California, Mexico. <i>Bulletin of the Geological Society of America</i> , 1995 , 107, 407-0424	3:9	45
31	Quaternary multi-stage alkaline volcanism at Vesteris Seamount (Norwegian-Greenland Sea): evidence from laser step heating 40Ar/39Ar experiments. <i>Journal of Geodynamics</i> , 1995 , 19, 79-95	2:2	6
30	Excess 40Ar in biotite and hornblende from the Noril'sk 1 intrusion, Siberia: implications for the age of the Siberian Traps. <i>Earth and Planetary Science Letters</i> , 1995 , 131, 165-176	5:3	72
29	Mechanisms and kinetics of atmospheric, radiogenic, and nucleogenic argon release from cryptomelane during analysis. <i>Geochimica Et Cosmochimica Acta</i> , 1995 , 59, 2057-2070	5:5	22
28	Pliocene-Quaternary volcanism and faulting at the intersection of the Gulf of California and the Mexican Volcanic Belt. <i>Bulletin of the Geological Society of America</i> , 1995 , 107, 612	3:9	58
27	Variations in deformation fields during development of a large-volume magmatic arc, central Sierra Nevada, California. <i>Bulletin of the Geological Society of America</i> , 1995 , 107, 148	3:9	78
26	Rapid subsidence and stacked Gilbert-type fan deltas, Pliocene Loreto basin, Baja California Sur, Mexico. <i>Sedimentary Geology</i> , 1995 , 98, 181-204	2:8	70
25	Basaltic volcanism and extension near the intersection of the Sierra Madre volcanic province and the Mexican Volcanic Belt. <i>Bulletin of the Geological Society of America</i> , 1994 , 106, 383-394	3:9	71
24	Ecological and temporal placement of early Pliocene hominids at Aramis, Ethiopia. <i>Nature</i> , 1994 , 371, 330-3	50:4	255
23	analysis of supergene jarosite and alunite: Implications to the paleoweathering history of the western USA and West Africa. <i>Geochimica Et Cosmochimica Acta</i> , 1994 , 58, 401-420	5:5	60
22	Direct dating of weathering phenomena by and K-Ar analysis of supergene K-Mn oxides. <i>Geochimica Et Cosmochimica Acta</i> , 1994 , 58, 1635-1665	5:5	146

21	Tectonics of the Pliocene Loreto basin, Baja California Sur, Mexico, and evolution of the Gulf of California. <i>Geology</i> , 1994 , 22, 649	5	33
20	Intercalibration of astronomical and radioisotopic time. <i>Geology</i> , 1994 , 22, 783	5	210
19	Potassic volcanism near Mono basin, California: Evidence for high water and oxygen fugacities inherited from subduction. <i>Geology</i> , 1993 , 21, 949	5	22
18	Mid-Paleozoic olistoliths in eastern Hayfork Terrane Range, Klamath Mountains: Implications for Late Paleozoic-Early Mesozoic Cordilleran forearc development. <i>Tectonics</i> , 1993 , 12, 279-289	4-3	14
17	New data from Hadar (Ethiopia) support orbitally tuned time scale to 3.3 MA. <i>Geophysical Research Letters</i> , 1993 , 20, 1067-1070	4-9	43
16	Thermochronologic record of pluton emplacement, deformation, and exhumation at Courtright shear zone, central Sierra Nevada, California. <i>Geology</i> , 1993 , 21, 331	5	29
15	Deformation resulting from regional extension during pluton ascent and emplacement, central Sierra Nevada, California. <i>Journal of Structural Geology</i> , 1993 , 15, 609-628	3	40
14	River mixing rate, residence time, and subsidence rates from isotopic indicators: Eocene sandstones of the U.S. Pacific Northwest. <i>Geology</i> , 1992 , 20, 1095	5	13
13	Effects of progressive mylonitization on Ar retention in biotites from the Santa Rosa mylonite zone, California, and thermochronologic implications. <i>Contributions To Mineralogy and Petrology</i> , 1991 , 108, 283-297	3-5	66
12	Discordant mid-Cretaceous paleomagnetic pole from the Zaza Terrane of central Cuba. <i>Geophysical Research Letters</i> , 1991 , 18, 455-458	4-9	10
11	High resolution ⁴⁰ Ar/ ³⁹ Ar chronostratigraphy of the Late Cretaceous El Gallo Formation, Baja California del Norte, Mexico. <i>Geophysical Research Letters</i> , 1991 , 18, 459-462	4-9	20
10	Rapid eruption of the Siberian traps flood basalts at the Permo-Triassic boundary. <i>Science</i> , 1991 , 253, 176-9	33-3	313
9	⁴⁰ Ar/ ³⁹ Ar laser-probe dating of detrital micas from the Montgomery Creek Formation, northern California: Clues to provenance, tectonics, and weathering processes. <i>Geology</i> , 1990 , 18, 563	5	32
8	Paleoenvironmental and biostratigraphic significance of siliceous microfossils of the Permo-Triassic Redding Section, Eastern Klamath Mountains, California. <i>Marine Micropaleontology</i> , 1990 , 15, 379-391	1-7	28
7	Paleomagnetic evidence for the evolution of Meso- to Neo-proterozoic glaciogenic rocks in central-eastern Brazil. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1990 , 80, 255-265	2-9	20
6	Paleomagnetism of Middle Proterozoic (1.01 to 1.08 Ga) mafic dykes in southeastern Bahia State-São Francisco Craton, Brazil. <i>Earth and Planetary Science Letters</i> , 1990 , 101, 332-348	5-3	46
5	⁴⁰ Ar/ ³⁹ Ar dating of 1.0-1.1 Ga magnetizations from the São Francisco and Kalahari cratons: tectonic implications for Pan-African and Brasiliano mobile belts. <i>Earth and Planetary Science Letters</i> , 1990 , 101, 349-366	5-3	87
4	Structural chronology, oroclinal deformation, and tectonic evolution of the southeastern Klamath Mountains, California. <i>Tectonics</i> , 1988 , 7, 1223-1242	4-3	19

3	Multicomponent paleomagnetic data from the Nosoni Formation, eastern Klamath Mountains, California: Cratonic Permian primary directions with Jurassic overprints. <i>Journal of Geophysical Research</i> , 1988 , 93, 3387		8
2	Constraints on timing of deformation in the Benton Range, southeastern California, and implications to Nevadan orogenesis. <i>Geology</i> , 1987 , 15, 1031	5	7
1	Comments and Reply on Paleomagnetism of the Upper Jurassic Galice Formation, southwestern Oregon: Evidence for differential rotation of the eastern and western Klamath Mountains. <i>Geology</i> , 1986 , 14, 1048	5	4