

Paul R Renne

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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	Intercalibration of standards, absolute ages and uncertainties in $^{40}\text{Ar}/^{39}\text{Ar}$ dating. <i>Chemical Geology</i> , 1998 , 145, 117-152	4.2	1350
217	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	616
216	A test for systematic errors in $^{40}\text{Ar}/^{39}\text{Ar}$ 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
215	Extensive 200-million-year-Old continental flood basalts of the central atlantic magmatic province. <i>Science</i> , 1999 , 284, 616-8	33.3	611
214	On the ages of flood basalt events. <i>Comptes Rendus - Geoscience</i> , 2003 , 335, 113-140	1.4	580
213	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
212	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	438
211	Time scales of critical events around the Cretaceous-Paleogene boundary. <i>Science</i> , 2013 , 339, 684-7	33.3	396
210	Environment and behavior of 2.5-million-year-old Bouri hominids. <i>Science</i> , 1999 , 284, 625-9	33.3	392
209	Rapid eruption of the siberian traps flood basalts at the permo-triassic boundary. <i>Science</i> , 1991 , 253, 176-9	33.3	313
208	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
207	Stratigraphic, chronological and behavioural contexts of Pleistocene Homo sapiens from Middle Awash, Ethiopia. <i>Nature</i> , 2003 , 423, 747-52	50.4	303
206	Ecological and temporal placement of early Pliocene hominids at Aramis, Ethiopia. <i>Nature</i> , 1994 , 371, 330-3	50.4	255
205	Synchrony of the Central Atlantic magmatic province and the Triassic-Jurassic boundary climatic and biotic crisis. <i>Geology</i> , 2004 , 32, 973	5	254
204	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
203	A basal dinosaur from the dawn of the dinosaur era in southwestern Pangaea. <i>Science</i> , 2011 , 331, 206-10	33.3	234
202	State shift in Deccan volcanism at the Cretaceous-Paleogene boundary, possibly induced by impact. <i>Science</i> , 2015 , 350, 76-8	33.3	218

201	Intercalibration of astronomical and radioisotopic time. <i>Geology</i> , 1994 , 22, 783	5	210
200	Remains of Homo erectus from Bouri, Middle Awash, Ethiopia. <i>Nature</i> , 2002 , 416, 317-20	50.4	208
199	Age of Etendeka flood volcanism and associated intrusions in southwestern Africa. <i>Geology</i> , 1996 , 24, 659	5	207
198	Asa Issie, Aramis and the origin of Australopithecus. <i>Nature</i> , 2006 , 440, 883-9	50.4	204
197	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
196	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
195	Age calibration of the Fish Canyon sanidine $^{40}\text{Ar}/^{39}\text{Ar}$ dating standard using primary KAr standards. <i>Geochimica Et Cosmochimica Acta</i> , 2007 , 71, 387-402	5.5	185
194	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
193	Geology and palaeontology of the Late Miocene Middle Awash valley, Afar rift, Ethiopia. <i>Nature</i> , 2001 , 412, 175-8	50.4	173
192	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
191	The eruptive tempo of Deccan volcanism in relation to the Cretaceous-Paleogene boundary. <i>Science</i> , 2019 , 363, 866-870	33.3	166
190	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
189	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
188	Lunar impact history from $(^{40}\text{Ar})/(^{39}\text{Ar})$ dating of glass spherules. <i>Science</i> , 2000 , 287, 1785-8	33.3	160
187	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
186	The geological, isotopic, botanical, invertebrate, and lower vertebrate surroundings of Ardipithecus ramidus. <i>Science</i> , 2009 , 326, 65e1-5	33.3	127
185	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
184	ReOs geochronology of a Mesoproterozoic sedimentary succession, Taoudeni basin, Mauritania: Implications for basin-wide correlations and ReOs organic-rich sediments systematics. <i>Earth and Planetary Science Letters</i> , 2010 , 289, 486-496	5.3	122

183	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
182	The first skull of <i>Australopithecus boisei</i> . <i>Nature</i> , 1997 , 389, 489-92	50.4	114
181	Early Pliocene hominids from Gona, Ethiopia. <i>Nature</i> , 2005 , 433, 301-5	50.4	113
180	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
179	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
178	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
177	Silicic magmas from the continental Cameroon Volcanic Line (Oku, Bambouto and Ngaoundere): ^{40}Ar - ^{39}Ar dates, petrology, Sr-Nd-O isotopes and their petrogenetic significance. <i>Contributions To Mineralogy and Petrology</i> , 1999 , 135, 133-150	3.5	94
176	Extremely rapid directional change during Matuyama-Brunhes geomagnetic polarity reversal. <i>Geophysical Journal International</i> , 2014 , 199, 1110-1124	2.6	93
175	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
174	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
173	$^{40}\text{Ar}/^{39}\text{Ar}$ 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
172	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
171	$^{40}\text{Ar}/^{39}\text{Ar}$ dating of 1.0-1.1 Ga magnetizations from the San 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
170	Data reporting norms for $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology. <i>Quaternary Geochronology</i> , 2009 , 4, 346-352	2.7	86
169	Exsolved magnetite inclusions in silicates: Features determining their remanence behavior. <i>Geology</i> , 2005 , 33, 513	5	86
168	$^{40}\text{Ar}/^{39}\text{Ar}$ 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
167	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
166	Intercalibration and age of the Alder Creek sanidine $^{40}\text{Ar}/^{39}\text{Ar}$ standard. <i>Quaternary Geochronology</i> , 2017 , 39, 205-213	2.7	78

165	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
164	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
163	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
162	Chronostratigraphy of the Miocene-Pliocene Sagantole Formation, Middle Awash Valley, Afar rift, Ethiopia. <i>Bulletin of the Geological Society of America</i> , 1999 , 111, 869-885	3.9	75
161	$^{40}\text{Ar}/^{39}\text{Ar}$ dating of Ordovician K-bentonites in Laurentia and Baltoscandia. <i>Earth and Planetary Science Letters</i> , 2001 , 185, 121-134	5.3	72
160	Excess ^{40}Ar 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
159	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
158	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
157	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
156	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
155	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
154	Systematic variations of argon diffusion in feldspars and implications for thermochronometry. <i>Geochimica Et Cosmochimica Acta</i> , 2013 , 112, 251-287	5.5	68
153	Diachronous dawn of Africa's Middle Stone Age: New $^{40}\text{Ar}/^{39}\text{Ar}$ ages from the Ethiopian Rift. <i>Geology</i> , 2008 , 36, 967	5	68
152	High-precision $^{40}\text{Ar}/^{39}\text{Ar}$ dating of pleistocene tuffs and temporal anchoring of the Matuyama-Brunhes boundary. <i>Quaternary Geochronology</i> , 2017 , 39, 1-23	2.7	66
151	Stratigraphy and geochronology of the Comondú Group near Loreto, Baja California sur, Mexico. <i>Sedimentary Geology</i> , 2001 , 144, 125-147	2.8	66
150	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
149	$^{40}\text{Ar}/^{39}\text{Ar}$ 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
148	The Triassic timescale: new constraints and a review of geochronological data. <i>Geological Society Special Publication</i> , 2010 , 334, 41-60	1.7	63

147	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
146	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
145	Statistical Methods for Jointly Estimating the Decay Constant of 40K and the Age of a Dating Standard. <i>Mathematical Geosciences</i> , 2002 , 34, 457-474		59
144	Spatially correlated anomalous 40Ar/39Ar 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
143	Duration and dynamics of the best orbital analogue to the present interglacial. <i>Geology</i> , 2015 , 43, 603-606	3.9	58
142	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
141	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
140	Flood Basalts and Mass Extinctions. <i>Annual Review of Earth and Planetary Sciences</i> , 2019 , 47, 275-303	15.3	57
139	Argon diffusion in pyroxenes: Implications for thermochronometry and mantle degassing. <i>Earth and Planetary Science Letters</i> , 2011 , 304, 407-416	5.3	53
138	40Ar/39Ar dating of the Skaergaard intrusion. <i>Earth and Planetary Science Letters</i> , 1997 , 146, 645-658	5.3	53
137	39Ar and 37Ar recoil loss during neutron irradiation of sanidine and plagioclase. <i>Geochimica Et Cosmochimica Acta</i> , 2007 , 71, 2791-2808	5.5	51
136	Application of deuterium-deuterium (D-D) fusion neutrons to 40Ar/39Ar geochronology. <i>Applied Radiation and Isotopes</i> , 2005 , 62, 25-32	1.7	51
135	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
134	The Quaternary impact record from the Pampas, Argentina. <i>Earth and Planetary Science Letters</i> , 2004 , 219, 221-238	5.3	50
133	Neogene volcanism at the front of the central Mexican volcanic belt: Basaltic andesites to dacites, with contemporaneous shoshonites and high-TiO2 lava. <i>Bulletin of the Geological Society of America</i> , 2001 , 113, 1324-1342	3.9	50
132	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
131	The Central Atlantic Magmatic Province (CAMP) in Morocco. <i>Journal of Petrology</i> , 2019 , 60, 945-996	3.9	47
130	Epitaxial relationships of clinopyroxene-hosted magnetite determined using electron backscatter diffraction (EBSD) technique. <i>American Mineralogist</i> , 2004 , 89, 462-466	2.9	47

129	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
128	Paleomagnetism of Middle Proterozoic (1.01 to 1.08 Ga) mafic dykes in southeastern Bahia State– Francisco Craton, Brazil. <i>Earth and Planetary Science Letters</i> , 1990 , 101, 332-348	5.3	46
127	Single grain (U/Th)/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
126	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
125	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
124	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
123	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
122	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
121	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
120	Mio-Pliocene mammals from the Middle Awash, Ethiopia. <i>Geobios</i> , 2004 , 37, 536-552	1.5	42
119	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
118	⁴⁰ Ar/ ³⁹ Ar dating of Apollo 12 impact spherules. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	40
117	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
116	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
115	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
114	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
113	Evidence of multi-phase Cretaceous to Quaternary alkaline magmatism on ToreMadeira Rise and neighbouring seamounts from ⁴⁰ Ar/ ³⁹ Ar ages. <i>Journal of the Geological Society</i> , 2009 , 166, 879-894	2.7	37
112	Determination of the half-life of ³⁷ Ar by mass spectrometry. <i>Physical Review C</i> , 2001 , 63,	2.7	37

111	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
110	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
109	The age of the Steens reversal and the Columbia River Basalt Group. <i>Chemical Geology</i> , 2010 , 274, 158-168	4.8	34
108	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
107	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
106	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
105	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
104	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
103	New Middle Eocene Whales from the Pisco Basin of Peru. <i>Journal of Paleontology</i> , 2011 , 85, 955-969	1.1	32
102	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
101	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
100	Solar and cosmogenic argon in dated lunar impact spherules. <i>Geochimica Et Cosmochimica Acta</i> , 2007 , 71, 1624-1635	5.5	31
99	The record of Miocene impacts in the Argentine Pampas. <i>Meteoritics and Planetary Science</i> , 2006 , 41, 749-771	2.8	31
98	Is Bedout an impact crater? Take 2. <i>Science</i> , 2004 , 306, 610-2; author reply 610-2	33.3	31
97	Magma flow inferred from anisotropy of magnetic susceptibility in the coastal Paraná-Etendeka igneous province: Evidence for rifting before flood volcanism. <i>Geology</i> , 1997 , 25, 1131	5	30
96	Geochronology: age of Mexican ash with alleged 'footprints'. <i>Nature</i> , 2005 , 438, E7-8	50.4	30
95	Paleomagnetism and ⁴⁰ Ar/ ³⁹ 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
94	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

93	Thermochronologic record of pluton emplacement, deformation, and exhumation at Courtright shear zone, central Sierra Nevada, California. <i>Geology</i> , 1993 , 21, 331	5	29
92	$^{40}\text{Ar}/^{39}\text{Ar}$ 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
91	Geochronology on the paleoanthropological time scale. <i>Evolutionary Anthropology</i> , 2000 , 9, 101-110	4.7	28
90	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
89	Interpreting and reporting $^{40}\text{Ar}/^{39}\text{Ar}$ geochronologic data. <i>Bulletin of the Geological Society of America</i> , 2021 , 133, 461-487	3.9	28
88	Cl-derived argon isotope production in the CLICIT facility of OSTR reactor and the effects of the Cl-correction in $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology. <i>Chemical Geology</i> , 2008 , 255, 463-466	4.2	27
87	$^{40}\text{Ar}/^{39}\text{Ar}$ 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
86	$^{40}\text{Ar}/^{39}\text{Ar}$ dating of Late Permian evaporites, southeastern New Mexico, USA. <i>Earth and Planetary Science Letters</i> , 2001 , 193, 539-547	5.3	27
85	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
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