

# Simon P. Kelley

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3236294/publications.pdf>

Version: 2024-02-01

181  
papers

14,054  
citations

18436

62  
h-index

22102

113  
g-index

187  
all docs

187  
docs citations

187  
times ranked

8190  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interpreting and reporting $^{40}\text{Ar}/^{39}\text{Ar}$ geochronologic data. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 461-487.	1.6	102
2	Expanding the toolbox for dating basaltic lava sequences: $^{40}\text{Ar}$ – $^{39}\text{Ar}$ dating of silicic volcanic glass from interbeds. <i>Journal of the Geological Society</i> , 2021, 178, jgs2019-207.	0.9	0
3	The Boltsh impact structure: An early Danian impact event during recovery from the K-Pg mass extinction. <i>Science Advances</i> , 2021, 7, .	4.7	8
4	Recycling of heavy noble gases by subduction of serpentinite. <i>Earth and Planetary Science Letters</i> , 2019, 521, 120-127.	1.8	12
5	Recycling argon through metamorphic reactions: The record in symplectites. <i>Lithos</i> , 2018, 300-301, 200-211.	0.6	14
6	New $^{40}\text{Ar}/^{39}\text{Ar}$ dating of the Antrim Plateau Volcanics, Australia: clarifying an age for the eruptive phase of the Kalkarindji continental flood basalt province. <i>Journal of the Geological Society</i> , 2018, 175, 974-985.	0.9	5
7	Centennial to decadal vegetation community changes linked to orbital and solar forcing during the Dan-C2 hyperthermal event. <i>Journal of the Geological Society</i> , 2017, 174, 1019-1030.	0.9	1
8	Argon redistribution during a metamorphic cycle: Consequences for determining cooling rates. <i>Chemical Geology</i> , 2016, 443, 182-197.	1.4	17
9	Fluids during diagenesis and sulfate vein formation in sediments at Gale crater, Mars. <i>Meteoritics and Planetary Science</i> , 2016, 51, 2175-2202.	0.7	50
10	Gondwana break-up related magmatism in the Falkland Islands. <i>Journal of the Geological Society</i> , 2016, 173, 108-126.	0.9	25
11	Tracking the provenance of Greenland-sourced, Holocene aged, individual sand-sized ice-rafted debris using the Pb-isotope compositions of feldspars and $^{40}\text{Ar}/^{39}\text{Ar}$ ages of hornblendes. <i>Earth and Planetary Science Letters</i> , 2016, 433, 192-203.	1.8	30
12	Long-term resilience decline in plant ecosystems across the Danian Dan-C2 hyperthermal event, Boltsh crater, Ukraine. <i>Journal of the Geological Society</i> , 2015, 172, 491-498.	0.9	6
13	Argon behaviour in an inverted Barrovian sequence, Sikkim Himalaya: The consequences of temperature and timescale on $^{40}\text{Ar}/^{39}\text{Ar}$ mica geochronology. <i>Lithos</i> , 2015, 238, 37-51.	0.6	27
14	Light noble gas dissolution into ring structure-bearing materials and lattice influences on noble gas recycling. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 159, 1-15.	1.6	27
15	$^{40}\text{Ar}/^{39}\text{Ar}$ ages and residual volatile contents in degassed subaerial and subglacial glassy volcanic rocks from Iceland. <i>Chemical Geology</i> , 2015, 403, 99-110.	1.4	18
16	Minerals ( $^{40}\text{Ar}$ – $^{39}\text{Ar}$ ). <i>Encyclopedia of Earth Sciences Series</i> , 2015, , 569-573.	0.1	0
17	Minerals, ( $^{40}\text{Ar}$ - $^{39}\text{Ar}$ ). , 2014, , 1-8.		0
18	A laser probe $^{40}\text{Ar}/^{39}\text{Ar}$ investigation of poikilitic shergottite NWA 4797: implications for the timing of shock metamorphism. <i>Geological Society Special Publication</i> , 2014, 378, 317-332.	0.8	6

#	ARTICLE	IF	CITATIONS
19	Observation of centimetre-scale argon diffusion in alkali feldspars: implications for $^{40}\text{Ar}/^{39}\text{Ar}$ thermochronology. Geological Society Special Publication, 2014, 378, 265-275.	0.8	10
20	Ar diffusion and solubility measurements in plagioclases using the ultra-violet laser depth-profiling technique. Geological Society Special Publication, 2014, 378, 137-154.	0.8	6
21	The early Danian hyperthermal event at Boltys (Ukraine): Relation to Cretaceous-Paleogene boundary events. , 2014, , .		7
22	Constraints on light noble gas partitioning at the conditions of spinel-peridotite melting. Earth and Planetary Science Letters, 2013, 384, 178-187.	1.8	29
23	Helium in Earth's early core. Nature Geoscience, 2013, 6, 982-986.	5.4	51
24	Textural characterization, major and volatile element quantification and $\text{Ar}^{\text{Ar}}$ systematics of spherulites in the Rocche Rosse obsidian flow, Lipari, Aeolian Islands: a temperature continuum growth model. Contributions To Mineralogy and Petrology, 2013, 165, 373-395.	1.2	21
25	An overview of noble gas (He, Ne, Ar, Xe) contents and isotope signals in terrestrial diamond. Earth-Science Reviews, 2013, 126, 235-249.	4.0	9
26	Short lived $^{36}\text{Cl}$ and its decay products $^{36}\text{Ar}$ and $^{36}\text{S}$ in the early solar system. Geochimica Et Cosmochimica Acta, 2013, 123, 358-367.	1.6	10
27	Disturbance to the $^{40}\text{Ar}/^{39}\text{Ar}$ system in feldspars by electron and ion beam irradiation. Chemical Geology, 2013, 355, 1-12.	1.4	6
28	Quantifying noble gas contamination during terrestrial alteration in Martian meteorites from Antarctica. Meteoritics and Planetary Science, 2013, 48, 929-954.	0.7	9
29	Noble gas transport into the mantle facilitated by high solubility in amphibole. Nature Geoscience, 2013, 6, 562-565.	5.4	51
30	Climatic oscillations stall vegetation recovery from K/Pg event devastation. Journal of the Geological Society, 2013, 170, 477-482.	0.9	11
31	A high-resolution nonmarine record of an early Danian hyperthermal event, Boltys crater, Ukraine. Geology, 2013, 41, 783-786.	2.0	21
32	nQuire for the OpenScience Lab: Supporting Communities of Inquiry Learning. Lecture Notes in Computer Science, 2013, , 585-588.	1.0	0
33	Synkinematic emplacement of Lassiter Coast Intrusive Suite plutons during the Palmer Land Event: evidence for mid-Cretaceous sinistral transpression at the Beaumont Glacier in eastern Palmer Land. Journal of the Geological Society, 2012, 169, 759-771.	0.9	8
34	Cryptic microtextures and geological histories of K-rich alkali feldspars revealed by charge contrast imaging. Contributions To Mineralogy and Petrology, 2012, 163, 983-994.	1.2	9
35	High temperature strontium stable isotope behaviour in the early solar system and planetary bodies. Earth and Planetary Science Letters, 2012, 329-330, 31-40.	1.8	72
36	When can muscovite $^{40}\text{Ar}/^{39}\text{Ar}$ dating constrain the timing of metamorphic exhumation?. Chemical Geology, 2012, 291, 79-86.	1.4	102

#	ARTICLE	IF	CITATIONS
37	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.	1.6	17
38	Metamorphic rocks seek meaningful cooling rate: Interpreting $^{40}\text{Ar}/^{39}\text{Ar}$ ages in an exhumed ultra-high pressure terrane. <i>Lithos</i> , 2012, 155, 30-48.	0.6	50
39	Using white mica $^{40}\text{Ar}/^{39}\text{Ar}$ data as a tracer for fluid flow and permeability under high- $P$ conditions: Tauern Window, Eastern Alps. <i>Journal of Metamorphic Geology</i> , 2012, 30, 63-80.	1.6	34
40	Response to Baksi, A., 2012, "New $^{40}\text{Ar}/^{39}\text{Ar}$ dating of the Grande Ronde lavas, Columbia River Basalts, USA: Implications for duration of flood basalt eruption episodes" by Barry et al., 2010" Discussion. <i>Lithos</i> , 2012, 146-147, 300-303.	0.6	2
41	Partitioning of excess argon between alkali feldspars and glass in a young volcanic system. <i>Chemical Geology</i> , 2011, 289, 12-30.	1.4	13
42	Mineralogy, geochemistry, and $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology of lunar granulitic breccia Northwest Africa 3163 and paired stones: Comparisons with Apollo samples. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 2865-2881.	1.6	23
43	Interpreting high-pressure phengite $^{40}\text{Ar}/^{39}\text{Ar}$ laserprobe ages: an example from Saih Hatat, NE Oman. <i>Contributions To Mineralogy and Petrology</i> , 2011, 161, 991-1009.	1.2	52
44	The role of the virtual microscope in distance learning. <i>Open Learning</i> , 2011, 26, 127-134.	2.4	9
45	Ignimbrite stratigraphy and chronology on Terceira Island, Azores. , 2010, , .		17
46	New $^{40}\text{Ar}/^{39}\text{Ar}$ dating of the Grande Ronde lavas, Columbia River Basalts, USA: Implications for duration of flood basalt eruption episodes. <i>Lithos</i> , 2010, 118, 213-222.	0.6	81
47	Two large meteorite impacts at the Cretaceous-Paleogene boundary. <i>Geology</i> , 2010, 38, 835-838.	2.0	40
48	Causes and effects of geochemical variations in late Cenozoic volcanism of the FoÅsa volcanic centre, NW Anatolia, Turkey. <i>International Geology Review</i> , 2010, 52, 579-607.	1.1	38
49	$^{40}\text{Ar}/^{39}\text{Ar}$ dating of oil generation and migration at complex continental margins. <i>Geology</i> , 2010, 38, 75-78.	2.0	27
50	Tectonic setting and timing of the final Deccan flood basalt eruptions. <i>Geology</i> , 2010, 38, 839-842.	2.0	100
51	Chronology and shock history of the Bencubbin meteorite: A nitrogen, noble gas, and Ar investigation of silicates, metal and fluid inclusions. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6636-6653.	1.6	17
52	Two diffusion pathways in quartz: A combined UV-laser and RBS study. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 5906-5925.	1.6	23
53	The significance of the contemporaneous Logoisk impact structure (Belarus) and Afro-Arabian flood volcanism. <i>Journal of the Geological Society</i> , 2009, 166, 5-8.	0.9	6
54	In situ radiometric dating on Mars: Investigation of the feasibility of K-Ar dating using flight-type mass and X-ray spectrometers. <i>Planetary and Space Science</i> , 2009, 57, 1237-1245.	0.9	24

#	ARTICLE	IF	CITATIONS
55	The use of heavy mineral correlation for determining the source of impact ejecta: A Manicouagan distal ejecta case study. <i>Earth and Planetary Science Letters</i> , 2009, 285, 163-172.	1.8	21
56	Late Palaeozoic hydrocarbon migration through the Clair field, West of Shetland, UK Atlantic margin. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 2510-2533.	1.6	24
57	Ar <sup>40</sup> dating of authigenic K-feldspar: Quantitative modelling of radiogenic argon-loss through subgrain boundary networks. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 2695-2710.	1.6	34
58	A laser probe <sup>40</sup> Ar/ <sup>39</sup> Ar and INAA investigation of four Apollo granulitic breccias. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5781-5798.	1.6	34
59	Isotopic and petrographic evidence for young Martian basalts. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5819-5837.	1.6	41
60	Argon solubility drop in silicate melts at high pressures: A review of recent experiments. <i>Chemical Geology</i> , 2008, 256, 252-258.	1.4	28
61	Excess argon ( <sup>40</sup> ArE) uptake during slate formation: A <sup>40</sup> Ar/ <sup>39</sup> Ar UV laserprobe study of muscovite strain-fringes from the Palaeozoic Welsh Basin, UK. <i>Chemical Geology</i> , 2008, 257, 203-217.	1.4	5
62	The geochronology of large igneous provinces, terrestrial impact craters, and their relationship to mass extinctions on Earth. <i>Journal of the Geological Society</i> , 2007, 164, 923-936.	0.9	39
63	Resolution of regional fluid flow related to successive orogenic events on the Laurentian margin. <i>Geology</i> , 2007, 35, 547.	2.0	20
64	Shock implantation of Martian atmospheric argon in four basaltic shergottites: A laser probe <sup>40</sup> Ar/ <sup>39</sup> Ar investigation. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 497-520.	1.6	36
65	Crystal-melt partitioning of noble gases (helium, neon, argon, krypton, and xenon) for olivine and clinopyroxene. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 1041-1061.	1.6	162
66	Early Miocene continental subduction and rapid exhumation in the western Mediterranean. <i>Geology</i> , 2006, 34, 981.	2.0	133
67	Temperature-composition-time (T-X-t) data from authigenic K-feldspar: An integrated methodology for dating fluid flow events. <i>Journal of Geochemical Exploration</i> , 2006, 89, 259-262.	1.5	15
68	An <sup>40</sup> Ar- <sup>39</sup> Ar laser-probe study of pseudotachylites in charnockite gneisses from the Cauvery Shear Zone system, South India. <i>Gondwana Research</i> , 2006, 10, 357-362.	3.0	8
69	Sediments and Impact Rocks Filling the Boltysh Impact Crater. , 2006, , 335-358.		16
70	Timing of tectonic events in the Alpujarride Complex, Betic Cordillera, southern Spain. <i>Journal of the Geological Society</i> , 2005, 162, 451-462.	0.9	113
71	Compositional controls on <sup>40</sup> Ar/ <sup>39</sup> Ar ages of zoned mica from a rare-element pegmatite. <i>Contributions To Mineralogy and Petrology</i> , 2005, 149, 613-626.	1.2	12
72	Estimates of Ar diffusion and solubility in leucite and nepheline: Electron microprobe imaging of Ar distribution in a mineral. <i>American Mineralogist</i> , 2005, 90, 954-962.	0.9	8

#	ARTICLE	IF	CITATIONS
73	Evolution of a volcanic rifted margin: Southern Red Sea, Ethiopia. <i>Bulletin of the Geological Society of America</i> , 2005, 117, 846.	1.6	209
74	Re-evaluating the age of the Houghton impact event. <i>Meteoritics and Planetary Science</i> , 2005, 40, 1777-1787.	0.7	34
75	Laser argon dating of melt breccias from the Siljan impact structure, Sweden: Implications for a possible relationship to Late Devonian extinction events. <i>Meteoritics and Planetary Science</i> , 2005, 40, 591-607.	0.7	74
76	Dating of Multistage Fluid Flow in Sandstones. <i>Science</i> , 2005, 309, 2048-2051.	6.0	60
77	A high resolution record of multiple diagenetic events: Ultraviolet laser microprobe Ar/Ar analysis of zoned K-feldspar overgrowths. <i>Earth and Planetary Science Letters</i> , 2005, 238, 329-341.	1.8	33
78	Radiogenic isotope records of Quaternary glaciations: Changes in the erosional source and weathering processes. <i>Geology</i> , 2004, 32, 861.	2.0	15
79	Syngenetic inclusions of yimengite in diamond from Sese kimberlite (Zimbabwe) – evidence for metasomatic conditions of growth. <i>Lithos</i> , 2004, 77, 181-192.	0.6	28
80	U-Pb columbite-tantalite chronology of rare-element pegmatites using TIMS and Laser Ablation-Multi Collector-ICP-MS. <i>Contributions To Mineralogy and Petrology</i> , 2004, 147, 549-564.	1.2	61
81	Nature of the Source Regions for Post-collisional, Potassic Magmatism in Southern and Northern Tibet from Geochemical Variations and Inverse Trace Element Modelling. <i>Journal of Petrology</i> , 2004, 45, 555-607.	1.1	309
82	Extensive impact melting on the H-chondrite parent asteroid during the cataclysmic bombardment of the early solar system: Evidence from the achondritic meteorite Dar al Gani 896. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 2379-2397.	1.6	38
83	$^{40}\text{Ar}/^{39}\text{Ar}$ dating of detrital muscovite in provenance investigations: a case study from the Adelaide Rift Complex, South Australia. <i>Earth and Planetary Science Letters</i> , 2004, 227, 297-311.	1.8	46
84	Causes and consequences of protracted melting of the mid-crust exposed in the North Himalayan antiform. <i>Earth and Planetary Science Letters</i> , 2004, 228, 195-212.	1.8	283
85	A granite-gabbro complex from Madagascar: constraints on melting of the lower crust. <i>Contributions To Mineralogy and Petrology</i> , 2003, 145, 585-599.	1.2	32
86	Thinning of the Antarctic Peninsula lithosphere through the Mesozoic: evidence from Middle Jurassic basaltic lavas. <i>Lithos</i> , 2003, 67, 163-179.	0.6	22
87	Constant elevation of southern Tibet over the past 15 million years. <i>Nature</i> , 2003, 421, 622-624.	13.7	564
88	The “zero charge” partitioning behaviour of noble gases during mantle melting. <i>Nature</i> , 2003, 423, 738-741.	13.7	107
89	Precise dating of low-temperature deformation: Strain-fringe analysis by $^{40}\text{Ar}/^{39}\text{Ar}$ laser microprobe. <i>Geology</i> , 2003, 31, 219.	2.0	50
90	Kinematic reworking and exhumation within the convergent Alpine Orogen. <i>Tectonophysics</i> , 2003, 365, 77-102.	0.9	96

#	ARTICLE	IF	CITATIONS
91	Early Proterozoic Melt Generation Processes beneath the Intra-cratonic Cuddapah Basin, Southern India. <i>Journal of Petrology</i> , 2003, 44, 2139-2171.	1.1	149
92	<sup>40</sup> Ar/ <sup>39</sup> Ar ages in mantle xenolith phlogopites: determining the ages of multiple lithospheric mantle events and diatreme ascent rates in southern Africa and Malaita, Solomon Islands. <i>Geological Society Special Publication</i> , 2003, 220, 231-248.	0.8	14
93	Simultaneous extensional exhumation across the Alboran Basin: Implications for the causes of late orogenic extension. <i>Geology</i> , 2003, 31, 251.	2.0	158
94	Exhumation of the Ronda peridotite and its crustal envelope: constraints from thermal modelling of a <i>P-T</i> time array. <i>Journal of the Geological Society</i> , 2003, 160, 655-676.	0.9	101
95	Ejecta of the Boltysh Impact Crater in the Ukrainian Shield. <i>Impact Studies</i> , 2003, , 179-202.	0.2	13
96	A Possible Tektite Strewn Field in the Argentinian Pampa. <i>Science</i> , 2002, 296, 1109-1111.	6.0	21
97	Mid-Cretaceous ductile deformation on the Eastern Palmer Land Shear Zone, Antarctica, and implications for timing of Mesozoic terrane collision. <i>Geological Magazine</i> , 2002, 139, 465-471.	0.9	33
98	Age and environment of Miocene-Pliocene glaciomarine deposits, James Ross Island, Antarctica. <i>Geological Magazine</i> , 2002, 139, .	0.9	35
99	Fingerprinting polyorogenic detritus using the <sup>40</sup> Ar/ <sup>39</sup> Ar ultraviolet laser microprobe. <i>Geology</i> , 2002, 30, 515.	2.0	24
100	Paleogene time scale miscalibration: Evidence from the dating of the North Atlantic igneous province. <i>Geology</i> , 2002, 30, 7.	2.0	46
101	K-Ar and Ar-Ar Dating. <i>Reviews in Mineralogy and Geochemistry</i> , 2002, 47, 785-818.	2.2	102
102	Ar and K partitioning between clinopyroxene and silicate melt to 8 GPa. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 507-519.	1.6	58
103	Excess argon evolution in HP-LT rocks: a UVLAMP study of phengite and K-free minerals, NW Turkey. <i>Chemical Geology</i> , 2002, 182, 619-636.	1.4	83
104	Excess argon in <sup>40</sup> Ar and <sup>39</sup> Ar geochronology. <i>Chemical Geology</i> , 2002, 188, 1-22.	1.4	378
105	Palaeoenvironment and ecology of the middle Cretaceous Grebenka flora of northeastern Asia. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2002, 184, 65-105.	1.0	85
106	New <sup>207</sup> Pb- <sup>206</sup> Pb and <sup>40</sup> Ar- <sup>39</sup> Ar ages from SW Montana, USA: constraints on the Proterozoic and Archæan tectonic and depositional history of the Wyoming Province. <i>Precambrian Research</i> , 2002, 117, 119-143.	1.2	35
107	Boltysh, another end-Cretaceous impact. <i>Meteoritics and Planetary Science</i> , 2002, 37, 1031-1043.	0.7	52
108	A Late Triassic Impact Ejecta Layer in Southwestern Britain. <i>Science</i> , 2002, 298, 2185-2188.	6.0	72

#	ARTICLE	IF	CITATIONS
109	Tectonic setting of primitive magmas in volcanic arcs: an example from the Antarctic Peninsula. <i>Journal of the Geological Society</i> , 2002, 159, 31-44.	0.9	64
110	17. K-Ar and Ar-Ar Dating. , 2002, , 785-818.		5
111	Dating fault-generated pseudotachylytes: comparison of $^{40}\text{Ar}/^{39}\text{Ar}$ stepwise-heating, laser-ablation and $\text{Rb}^{87}\text{Sr}$ microsampling analyses. <i>Contributions To Mineralogy and Petrology</i> , 2002, 144, 57-77.	1.2	60
112	Magma flow regimes in sills deduced from Ar isotope systematics of host rocks. <i>Journal of Geophysical Research</i> , 2001, 106, 4017-4035.	3.3	15
113	Petrography, geochemistry, and argon $^{40}/^{39}$ ages of impact melt rocks and breccias from the Ames impact structure, Oklahoma: The Nicor Chestnut 18 $\times$ 4 drill core. <i>Meteoritics and Planetary Science</i> , 2001, 36, 651-669.	0.7	14
114	Obtaining geologically meaningful $^{40}\text{Ar}^{39}\text{Ar}$ ages from altered biotite. <i>Chemical Geology</i> , 2001, 172, 277-290.	1.4	38
115	$^{40}\text{Ar}/^{39}\text{Ar}$ study of plagioclases from the Rogaland anorthosite complex (SW Norway); an attempt to understand argon ages in plutonic plagioclase. <i>Chemical Geology</i> , 2001, 176, 105-135.	1.4	28
116	Age and composition of dikes in Southern Tibet: New constraints on the timing of east-west extension and its relationship to postcollisional volcanism. <i>Geology</i> , 2001, 29, 339.	2.0	345
117	Protracted felsic magmatic activity associated with the opening of the South Atlantic. <i>Journal of the Geological Society</i> , 2001, 158, 583-592.	0.9	42
118	Pleistocene glass in the Australian desert: The case for an impact origin. <i>Geology</i> , 2001, 29, 899.	2.0	24
119	$^{40}\text{Ar}/^{39}\text{Ar}$ ages in deformed potassium feldspar: evidence of microstructural control on Ar isotope systematics. <i>Contributions To Mineralogy and Petrology</i> , 2001, 141, 186-200.	1.2	45
120	$^{40}\text{Ar}/^{39}\text{Ar}$ hornblende dating of a microgranodiorite dyke: implications for early Permian extension in the Moldanubian Zone of the Bohemian Massif. <i>International Journal of Earth Sciences</i> , 2001, 90, 379-385.	0.9	10
121	Geochronological constraints on the evolution of the Periadriatic Fault System (Alps). <i>International Journal of Earth Sciences</i> , 2001, 90, 623-653.	0.9	121
122	Sedimentary record of explosive silicic volcanism in a Cretaceous deep-marine conglomerate succession, northern Antarctic Peninsula. <i>Sedimentology</i> , 2001, 47, 451-470.	1.6	6
123	Direct dating of authigenic K-feldspar overgrowths from the Kilombero Rift of Tanzania. <i>Journal of the Geological Society</i> , 2001, 158, 801-807.	0.9	28
124	Episodic Silicic Volcanism in Patagonia and the Antarctic Peninsula: Chronology of Magmatism Associated with the Break-up of Gondwana. <i>Journal of Petrology</i> , 2000, 41, 605-625.	1.1	444
125	Rift deflection, migration, and propagation: Linkage of the Ethiopian and Eastern rifts, Africa. <i>Bulletin of the Geological Society of America</i> , 2000, 112, 163-176.	1.6	211
126	Large clockwise rotations in an extensional allochthon, Alboran Domain (southern Spain). <i>Journal of the Geological Society</i> , 2000, 157, 1187-1197.	0.9	38



#	ARTICLE	IF	CITATIONS
127	Rapid Kimberlite Ascent and the Significance of Ar-Ar Ages in Xenolith Phlogopites. <i>Science</i> , 2000, 289, 609-611.	6.0	172
128	Mantle processes during Gondwana break-up and dispersal. <i>Journal of African Earth Sciences</i> , 1999, 28, 239-261.	0.9	138
129	<sup>40</sup> Ar- <sup>39</sup> Ar and Rb-Sr geochronology of high-pressure metamorphism and exhumation history of the Tavsanlı Zone, NW Turkey. <i>Contributions To Mineralogy and Petrology</i> , 1999, 137, 46-58.	1.2	178
130	Direct measurement of Ar diffusion profiles in a gem-quality Madagascar K-feldspar using the ultra-violet laser ablation microprobe (UVLAMP). <i>Earth and Planetary Science Letters</i> , 1999, 170, 141-153.	1.8	100
131	The Strangways impact structure, Northern Territory, Australia: geological setting and laser probe <sup>40</sup> Ar/ <sup>39</sup> Ar geochronology. <i>Earth and Planetary Science Letters</i> , 1999, 172, 199-211.	1.8	20
132	Mafic dike swarms in the South Shetland Islands volcanic arc: Unravelling multi-episodic magmatism related to subduction and continental rifting. <i>Journal of Geophysical Research</i> , 1999, 104, 23051-23068.	3.3	38
133	New <sup>40</sup> Ar/ <sup>39</sup> Ar dates for Cretaceous Chauna Group tephra, north-eastern Russia, and their implications for the geologic history and floral evolution of the North Pacific region. <i>Cretaceous Research</i> , 1999, 20, 97-106.	0.6	54
134	Mantle plumes and Antarctica-New Zealand rifting: evidence from mid-Cretaceous mafic dykes. <i>Journal of the Geological Society</i> , 1999, 156, 659-671.	0.9	136
135	Evidence for a late Triassic multiple impact event on Earth. <i>Nature</i> , 1998, 392, 171-173.	13.7	100
136	Rapid eruption of Skye lavas inferred from precise U-Pb and Ar-Ar dating of the Rum and Cuillin plutonic complexes. <i>Nature</i> , 1998, 394, 260-263.	13.7	132
137	Laser probe argon- <sup>40</sup> /argon- <sup>39</sup> dating of pseudotachylite from the Sudbury Structure: Evidence for post-impact thermal overprinting in the North Range. <i>Meteoritics and Planetary Science</i> , 1998, 33, 1259-1269.	0.7	31
138	Exhumation of blueschists along a Tethyan suture in northwest Turkey. <i>Tectonophysics</i> , 1998, 285, 275-299.	0.9	168
139	Preliminary UVLAMP determinations of argon partition coefficients for olivine and clinopyroxene grown from silicate melts. <i>Chemical Geology</i> , 1998, 147, 185-200.	1.4	41
140	A Lower Cretaceous, syn-extensional magmatic source for a linear belt of positive magnetic anomalies: the Pacific Margin Anomaly (PMA), western Palmer Land, Antarctica. <i>Earth and Planetary Science Letters</i> , 1998, 158, 143-155.	1.8	30
141	The thermal response of a metamorphic belt to extension: constraints from laser Ar data on metamorphic micas. <i>Earth and Planetary Science Letters</i> , 1998, 162, 153-164.	1.8	27
142	Thermal evolution, rate of exhumation, and tectonic significance of metamorphic rocks from the floor of the Alboran extensional basin, western Mediterranean. <i>Tectonics</i> , 1998, 17, 671-689.	1.3	184
143	Mineralogy and <sup>40</sup> Ar/ <sup>39</sup> Ar geochronology of orangeites (Group II kimberlites) from the Damodar Valley, eastern India. <i>Mineralogical Magazine</i> , 1998, 62, 313-323.	0.6	42
144	The Generation of Potassic Lavas from the Eastern Virunga Province, Rwanda. <i>Journal of Petrology</i> , 1998, 39, 1223-1247.	1.1	118

#	ARTICLE	IF	CITATIONS
145	Earliest magmatism in Ethiopia: Evidence for two mantle plumes in one flood basalt province. <i>Geology</i> , 1998, 26, 923.	2.0	303
146	A reassessment of the age of the Cockburn Island Formation, northern Antarctic Peninsula, and its palaeoclimatic implications. <i>Journal of the Geological Society</i> , 1998, 155, 737-740.	0.9	30
147	Title is missing!. <i>Bulletin of the Geological Society of America</i> , 1998, 110, 0422.	1.6	77
148	Argon behaviour in gem-quality orthoclase from Madagascar: Experiments and some consequences for geochronology. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 3227-3255.	1.6	49
149	Determination of high spatial resolution argon isotope variations in metamorphic biotites. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 3809-3833.	1.6	45
150	A late Triassic age for the Rochechouart impact structure, France. <i>Meteoritics and Planetary Science</i> , 1997, 32, 629-636.	0.7	43
151	A microstructural and argon laserprobe study of shear zone development at the western margin of the Nanga Parbat-Haramosh Massif, western Himalaya. <i>Contributions To Mineralogy and Petrology</i> , 1997, 128, 16-29.	1.2	45
152	3-D, $^{40}\text{Ar}$ - $^{39}\text{Ar}$ geochronology in the Parana continental flood basalt province. <i>Earth and Planetary Science Letters</i> , 1996, 143, 95-109.	1.8	221
153	Post-collision, Shoshonitic Volcanism on the Tibetan Plateau: Implications for Convective Thinning of the Lithosphere and the Source of Ocean Island Basalts. <i>Journal of Petrology</i> , 1996, 37, 45-71.	1.1	897
154	Source of the Lachlan fold belt flysch linked to convective removal of the lithospheric mantle and rapid exhumation of the Delamerian-Ross fold belt. <i>Geology</i> , 1996, 24, 941.	2.0	92
155	Precise $^{40}\text{Ar}/^{39}\text{Ar}$ age for the initiation of Palaeogene volcanism in the Inner Hebrides and its regional significance. <i>Journal of the Geological Society</i> , 1996, 153, 815-818.	0.9	57
156	Assessing Ar transport paths and mechanisms in the McClure Mountains hornblende. <i>Contributions To Mineralogy and Petrology</i> , 1996, 126, 67-80.	1.2	77
157	A $^{40}\text{Ar}/^{39}\text{Ar}$ laser probe study of micas from the Sesia Zone, Italian Alps: implications for metamorphic and deformation histories. <i>Journal of Metamorphic Geology</i> , 1996, 14, 493-508.	1.6	103
158	Laser probe argon-40/argon-39 dating of coesite- and stishovite-bearing pseudotachylytes and the age of the Vredefort impact event. <i>Meteoritics</i> , 1995, 30, 335-343.	1.5	88
159	Evidence for excess argon during high pressure metamorphism in the dora maira massif (Western Alps), <i>Tj ETQq1 1 0.784314 rgBT /Ore</i> <i>Mineralogy and Petrology</i> , 1995, 121, 1-11.	1.2	149
160	Metamorphic events in the eastern Arunta Inlier, Part 2. Nd_Sr_Ar isotopic constraints. <i>Precambrian Research</i> , 1995, 71, 207-227.	1.2	39
161	Ar-Ar dating by laser microprobe. , 1995, , 327-358.		27
162	Timing of Hot Spot-Related Volcanism and the Breakup of Madagascar and India. <i>Science</i> , 1995, 267, 852-855.	6.0	586

#	ARTICLE	IF	CITATIONS
163	Post-collision magmatism and tectonics in northwest Anatolia. <i>Contributions To Mineralogy and Petrology</i> , 1994, 117, 241-252.	1.2	206
164	Tectonic setting, petrology and geochronology of jadeite + glaucophane and chloritoid + glaucophane schists from north-west Turkey. <i>Journal of Metamorphic Geology</i> , 1994, 12, 455-466.	1.6	110
165	High spatial resolution investigations using an ultra-violet laser probe extraction technique. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 3519-3525.	1.6	106
166	Magmatism and continental break-up in the South Atlantic: high precision $^{40}\text{Ar}$ - $^{39}\text{Ar}$ geochronology. <i>Earth and Planetary Science Letters</i> , 1994, 121, 333-348.	1.8	382
167	Laser-probe $^{40}\text{Ar}/^{39}\text{Ar}$ investigation of a pseudotachylyte and its host rock from the Outer Isles thrust, Scotland. <i>Geology</i> , 1994, 22, 443.	2.0	73
168	Timing of Tibetan uplift constrained by analysis of volcanic rocks. <i>Nature</i> , 1993, 364, 50-54.	13.7	384
169	Paraná magmatism and the opening of the South Atlantic. <i>Geological Society Special Publication</i> , 1992, 68, 221-240.	0.8	103
170	$^{40}\text{Ar}/^{39}\text{Ar}$ analysis of perthite microtextures and fluid inclusions in alkali feldspars from the Klokken syenite, South Greenland. <i>Earth and Planetary Science Letters</i> , 1992, 109, 147-167.	1.8	71
171	$^{40}\text{Ar}/^{139}\text{Ar}$ laser microprobe study of fluids in different colour zones of a hydrothermal scheelite crystal from the Dae Hwa W $\ddot{u}$ -Mo mine, South Korea. <i>Chemical Geology</i> , 1992, 102, 259-267.	1.4	6
172	Laser probe $^{40}\text{Ar}/^{39}\text{Ar}$ measurements of loss profiles within individual hornblende grains from the Giants Range Granite, northern Minnesota, USA. <i>Earth and Planetary Science Letters</i> , 1991, 107, 634-648.	1.8	37
173	Discussion on detrital mineral ages from the Southern Uplands using $^{40}\text{Ar}$ - $^{39}\text{Ar}$ laser probe. <i>Journal of the Geological Society</i> , 1990, 147, 882-884.	0.9	10
174	High precision spatially resolved analysis of $^{34}\text{S}$ in sulphides using a laser extraction technique. <i>Geochimica Et Cosmochimica Acta</i> , 1990, 54, 883-888.	1.6	112
175	Short Paper: Detrital mineral ages from the Southern Uplands using $^{40}\text{Ar}$ - $^{39}\text{Ar}$ laser probe. <i>Journal of the Geological Society</i> , 1989, 146, 401-403.	0.9	61
176	K-Ar Dating of Illite in Hydrocarbon Reservoirs. <i>Clay Minerals</i> , 1989, 24, 215-231.	0.2	129
177	Laser probe $^{40}\text{Ar}$ - $^{39}\text{Ar}$ studies of the Peace River shocked L6 chondrite. <i>Geochimica Et Cosmochimica Acta</i> , 1988, 52, 2487-2499.	1.6	83
178	The relationship between K-Ar mineral ages, mica grain sizes and movement on the Moine Thrust Zone, NW Highlands, Scotland. <i>Journal of the Geological Society</i> , 1988, 145, 1-10.	0.9	78
179	The source and significance of argon isotopes in fluid inclusions from areas of mineralization. <i>Earth and Planetary Science Letters</i> , 1986, 79, 303-318.	1.8	132
180	Thermal effects and timing of thrusting in the Moine Thrust zone. <i>Journal of the Geological Society</i> , 1985, 142, 863-873.	0.9	85

#	ARTICLE	IF	CITATIONS
181	Relationships between marginal thrusting and movement on major, internal shear zones in the Northern Highland Caledonides, Scotland. <i>Journal of Structural Geology</i> , 1985, 7, 161-174.	1.0	49