

# Simon P. Kelley

## List of Publications by Year in descending order

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papers

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docs citations

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#	ARTICLE	IF	CITATIONS
1	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
2	Timing of Hot Spot-Related Volcanism and the Breakup of Madagascar and India. <i>Science</i> , 1995, 267, 852-855.	6.0	586
3	Constant elevation of southern Tibet over the past 15 million years. <i>Nature</i> , 2003, 421, 622-624.	13.7	564
4	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
5	Timing of Tibetan uplift constrained by analysis of volcanic rocks. <i>Nature</i> , 1993, 364, 50-54.	13.7	384
6	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
7	Excess argon in $^{40}\text{Ar}$ and $^{39}\text{Ar}$ geochronology. <i>Chemical Geology</i> , 2002, 188, 1-22.	1.4	378
8	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
9	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
10	Earliest magmatism in Ethiopia: Evidence for two mantle plumes in one flood basalt province. <i>Geology</i> , 1998, 26, 923.	2.0	303
11	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
12	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
13	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
14	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
15	Post-collision magmatism and tectonics in northwest Anatolia. <i>Contributions To Mineralogy and Petrology</i> , 1994, 117, 241-252.	1.2	206
16	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
17	$^{40}\text{Ar}$ - $^{39}\text{Ar}$ and Rb-Sr geochronology of high-pressure metamorphism and exhumation history of the Tavsanli Zone, NW Turkey. <i>Contributions To Mineralogy and Petrology</i> , 1999, 137, 46-58.	1.2	178
18	Rapid Kimberlite Ascent and the Significance of Ar-Ar Ages in Xenolith Phlogopites. <i>Science</i> , 2000, 289, 609-611.	6.0	172

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19	Exhumation of blueschists along a Tethyan suture in northwest Turkey. <i>Tectonophysics</i> , 1998, 285, 275-299.	0.9	168
20	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
21	Simultaneous extensional exhumation across the Alboran Basin: Implications for the causes of late orogenic extension. <i>Geology</i> , 2003, 31, 251.	2.0	158
22	Evidence for excess argon during high pressure metamorphism in the dora maira massif (Western Alps). <i>Journal of Mineralogy and Petrology</i> , 1995, 121, 1-11.	1.2	149
23	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
24	Mantle processes during Gondwana break-up and dispersal. <i>Journal of African Earth Sciences</i> , 1999, 28, 239-261.	0.9	138
25	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
26	Early Miocene continental subduction and rapid exhumation in the western Mediterranean. <i>Geology</i> , 2006, 34, 981.	2.0	133
27	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
28	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
29	K-Ar Dating of Illite in Hydrocarbon Reservoirs. <i>Clay Minerals</i> , 1989, 24, 215-231.	0.2	129
30	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
31	The Generation of Potassic Lavas from the Eastern Virunga Province, Rwanda. <i>Journal of Petrology</i> , 1998, 39, 1223-1247.	1.1	118
32	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
33	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
34	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
35	The "zero charge" partitioning behaviour of noble gases during mantle melting. <i>Nature</i> , 2003, 423, 738-741.	13.7	107
36	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

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37	Paraná magmatism and the opening of the South Atlantic. Geological Society Special Publication, 1992, 68, 221-240.	0.8	103
38	A $^{40}\text{Ar}/^{39}\text{Ar}$ laser probe study of micas from the Sesia Zone, Italian Alps: implications for metamorphic and deformation histories. Journal of Metamorphic Geology, 1996, 14, 493-508.	1.6	103
39	K-Ar and Ar-Ar Dating. Reviews in Mineralogy and Geochemistry, 2002, 47, 785-818.	2.2	102
40	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
41	Interpreting and reporting $^{40}\text{Ar}/^{39}\text{Ar}$ geochronologic data. Bulletin of the Geological Society of America, 2021, 133, 461-487.	1.6	102
42	Exhumation of the Ronda peridotite and its crustal envelope: constraints from thermal modelling of a $^{40}\text{Ar}/^{39}\text{Ar}$ time array. Journal of the Geological Society, 2003, 160, 655-676.	0.9	101
43	Evidence for a late Triassic multiple impact event on Earth. Nature, 1998, 392, 171-173.	13.7	100
44	Direct measurement of Ar diffusion profiles in a gem-quality Madagascar K-feldspar using the ultra-violet laser ablation microprobe (UVLAMP). Earth and Planetary Science Letters, 1999, 170, 141-153.	1.8	100
45	Tectonic setting and timing of the final Deccan flood basalt eruptions. Geology, 2010, 38, 839-842.	2.0	100
46	Kinematic reworking and exhumation within the convergent Alpine Orogen. Tectonophysics, 2003, 365, 77-102.	0.9	96
47	Source of the Lachlan fold belt flysch linked to convective removal of the lithospheric mantle and rapid exhumation of the Delamerian-Ross fold belt. Geology, 1996, 24, 941.	2.0	92
48	Laser probe argon- $^{40}$ /argon- $^{39}$ dating of coesite- and stishovite-bearing pseudotachylytes and the age of the Vredefort impact event. Meteoritics, 1995, 30, 335-343.	1.5	88
49	Thermal effects and timing of thrusting in the Moine Thrust zone. Journal of the Geological Society, 1985, 142, 863-873.	0.9	85
50	Palaeoenvironment and ecology of the middle Cretaceous Grebenka flora of northeastern Asia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2002, 184, 65-105.	1.0	85
51	Laser probe $^{40}\text{Ar}/^{39}\text{Ar}$ studies of the Peace River shocked L6 chondrite. Geochimica Et Cosmochimica Acta, 1988, 52, 2487-2499.	1.6	83
52	Excess argon evolution in HP-LT rocks: a UVLAMP study of phengite and K-free minerals, NW Turkey. Chemical Geology, 2002, 182, 619-636.	1.4	83
53	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. Lithos, 2010, 118, 213-222.	0.6	81
54	The relationship between K-Ar mineral ages, mica grain sizes and movement on the Moine Thrust Zone, NW Highlands, Scotland. Journal of the Geological Society, 1988, 145, 1-10.	0.9	78

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55	Assessing Ar transport paths and mechanisms in the McClure Mountains hornblende. Contributions To Mineralogy and Petrology, 1996, 126, 67-80.	1.2	77
56	Title is missing!. Bulletin of the Geological Society of America, 1998, 110, 0422.	1.6	77
57	Laser argon dating of melt breccias from the Siljan impact structure, Sweden: Implications for a possible relationship to Late Devonian extinction events. Meteoritics and Planetary Science, 2005, 40, 591-607.	0.7	74
58	Laser-probe $^{40}\text{Ar}/^{39}\text{Ar}$ investigation of a pseudotachylyte and its host rock from the Outer Isles thrust, Scotland. Geology, 1994, 22, 443.	2.0	73
59	A Late Triassic Impact Ejecta Layer in Southwestern Britain. Science, 2002, 298, 2185-2188.	6.0	72
60	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
61	$^{40}\text{Ar}/^{39}\text{Ar}$ analysis of perthite microtextures and fluid inclusions in alkali feldspars from the Klokken syenite, South Greenland. Earth and Planetary Science Letters, 1992, 109, 147-167.	1.8	71
62	Tectonic setting of primitive magmas in volcanic arcs: an example from the Antarctic Peninsula. Journal of the Geological Society, 2002, 159, 31-44.	0.9	64
63	Short Paper: Detrital mineral ages from the Southern Uplands using $^{40}\text{Ar}/^{39}\text{Ar}$ laser probe. Journal of the Geological Society, 1989, 146, 401-403.	0.9	61
64	U-Pb columbite-tantalite chronology of rare-element pegmatites using TIMS and Laser Ablation-Multi Collector-ICP-MS. Contributions To Mineralogy and Petrology, 2004, 147, 549-564.	1.2	61
65	Dating fault-generated pseudotachylytes: comparison of $^{40}\text{Ar}/^{39}\text{Ar}$ stepwise-heating, laser-ablation and $\text{Rb}/\text{Sr}$ microsampling analyses. Contributions To Mineralogy and Petrology, 2002, 144, 57-77.	1.2	60
66	Dating of Multistage Fluid Flow in Sandstones. Science, 2005, 309, 2048-2051.	6.0	60
67	Ar and K partitioning between clinopyroxene and silicate melt to 8 GPa. Geochimica Et Cosmochimica Acta, 2002, 66, 507-519.	1.6	58
68	Precise $^{40}\text{Ar}/^{39}\text{Ar}$ age for the initiation of Palaeogene volcanism in the Inner Hebrides and its regional significance. Journal of the Geological Society, 1996, 153, 815-818.	0.9	57
69	New $^{40}\text{Ar}/^{39}\text{Ar}$ dates for Cretaceous Chauna Group tephra, north-eastern Russia, and their implications for the geologic history and floral evolution of the North Pacific region. Cretaceous Research, 1999, 20, 97-106.	0.6	54
70	Boltsh, another end-Cretaceous impact. Meteoritics and Planetary Science, 2002, 37, 1031-1043.	0.7	52
71	Interpreting high-pressure phengite $^{40}\text{Ar}/^{39}\text{Ar}$ laserprobe ages: an example from Saih Hatat, NE Oman. Contributions To Mineralogy and Petrology, 2011, 161, 991-1009.	1.2	52
72	Helium in Earth's early core. Nature Geoscience, 2013, 6, 982-986.	5.4	51

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73	Noble gas transport into the mantle facilitated by high solubility in amphibole. <i>Nature Geoscience</i> , 2013, 6, 562-565.	5.4	51
74	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
75	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
76	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
77	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
78	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
79	Paleogene time scale miscalibration: Evidence from the dating of the North Atlantic igneous province. <i>Geology</i> , 2002, 30, 7.	2.0	46
80	$^{40}\text{Ar}$ - $^{39}\text{Ar}$ 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
81	Determination of high spatial resolution argon isotope variations in metamorphic biotites. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 3809-3833.	1.6	45
82	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
83	$^{40}\text{Ar}/^{39}\text{Ar}$ 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
84	A late Triassic age for the Rochechouart impact structure, France. <i>Meteoritics and Planetary Science</i> , 1997, 32, 629-636.	0.7	43
85	Mineralogy and $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology of orangeites (Group II kimberlites) from the Damodar Valley, eastern India. <i>Mineralogical Magazine</i> , 1998, 62, 313-323.	0.6	42
86	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
87	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
88	Isotopic and petrographic evidence for young Martian basalts. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5819-5837.	1.6	41
89	Two large meteorite impacts at the Cretaceous-Paleogene boundary. <i>Geology</i> , 2010, 38, 835-838.	2.0	40
90	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

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91	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
92	Mafic dike swarms in the South Shetland Islands volcanic arc: Unravelling multiepisodic magmatism related to subduction and continental rifting. <i>Journal of Geophysical Research</i> , 1999, 104, 23051-23068.	3.3	38
93	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
94	Obtaining geologically meaningful $^{40}\text{Ar}/^{39}\text{Ar}$ ages from altered biotite. <i>Chemical Geology</i> , 2001, 172, 277-290.	1.4	38
95	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
96	Causes and effects of geochemical variations in late Cenozoic volcanism of the FöÅsa volcanic centre, NW Anatolia, Turkey. <i>International Geology Review</i> , 2010, 52, 579-607.	1.1	38
97	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
98	Shock implantation of Martian atmospheric argon in four basaltic shergottites: A laser probe $^{40}\text{Ar}/^{39}\text{Ar}$ investigation. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 497-520.	1.6	36
99	Age and environment of Miocene–Pliocene glaciomarine deposits, James Ross Island, Antarctica. <i>Geological Magazine</i> , 2002, 139, .	0.9	35
100	New $^{207}\text{Pb}/^{206}\text{Pb}$ and $^{40}\text{Ar}/^{39}\text{Ar}$ ages from SW Montana, USA: constraints on the Proterozoic and Archean tectonic and depositional history of the Wyoming Province. <i>Precambrian Research</i> , 2002, 117, 119-143.	1.2	35
101	Re-evaluating the age of the Haughton impact event. <i>Meteoritics and Planetary Science</i> , 2005, 40, 1777-1787.	0.7	34
102	$^{40}\text{Ar}/^{39}\text{Ar}$ 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
103	A laser probe $^{40}\text{Ar}/^{39}\text{Ar}$ and INAA investigation of four Apollo granulitic breccias. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5781-5798.	1.6	34
104	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
105	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
106	A high resolution record of multiple diagenetic events: Ultraviolet laser microprobe $^{40}\text{Ar}/^{39}\text{Ar}$ analysis of zoned K-feldspar overgrowths. <i>Earth and Planetary Science Letters</i> , 2005, 238, 329-341.	1.8	33
107	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
108	Laser probe argon $^{40}/^{39}$ dating of pseudotachylite from the Sudbury Structure: Evidence for postimpact thermal overprinting in the North Range. <i>Meteoritics and Planetary Science</i> , 1998, 33, 1259-1269.	0.7	31

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109	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
110	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
111	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
112	Constraints on light noble gas partitioning at the conditions of spinel-peridotite melting. <i>Earth and Planetary Science Letters</i> , 2013, 384, 178-187.	1.8	29
113	$^{40}\text{Ar}/^{39}\text{Ar}$ 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
114	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
115	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
116	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
117	Ar-Ar dating by laser microprobe. , 1995, , 327-358.		27
118	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
119	$^{40}\text{Ar}/^{39}\text{Ar}$ dating of oil generation and migration at complex continental margins. <i>Geology</i> , 2010, 38, 75-78.	2.0	27
120	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
121	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
122	Gondwana break-up related magmatism in the Falkland Islands. <i>Journal of the Geological Society</i> , 2016, 173, 108-126.	0.9	25
123	Pleistocene glass in the Australian desert: The case for an impact origin. <i>Geology</i> , 2001, 29, 899.	2.0	24
124	Fingerprinting polyorogenic detritus using the $^{40}\text{Ar}/^{39}\text{Ar}$ ultraviolet laser microprobe. <i>Geology</i> , 2002, 30, 515.	2.0	24
125	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
126	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



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127	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
128	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
129	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
130	A Possible Tektite Strewn Field in the Argentinian Pampa. <i>Science</i> , 2002, 296, 1109-1111.	6.0	21
131	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
132	Textural characterization, major and volatile element quantification and $^{40}\text{Ar}/^{39}\text{Ar}$ systematics of spherulites in the Rocche Rosse obsidian flow, Lipari, Aeolian Islands: a temperature continuum growth model. <i>Contributions To Mineralogy and Petrology</i> , 2013, 165, 373-395.	1.2	21
133	A high-resolution nonmarine record of an early Danian hyperthermal event, Boltysch crater, Ukraine. <i>Geology</i> , 2013, 41, 783-786.	2.0	21
134	The Strangways impact structure, Northern Territory, Australia: geological setting and laser probe $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology. <i>Earth and Planetary Science Letters</i> , 1999, 172, 199-211.	1.8	20
135	Resolution of regional fluid flow related to successive orogenic events on the Laurentian margin. <i>Geology</i> , 2007, 35, 547.	2.0	20
136	$^{40}\text{Ar}/^{39}\text{Ar}$ 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
137	Ignimbrite stratigraphy and chronology on Terceira Island, Azores. , 2010, , .		17
138	Chronology and shock history of the Bencubbin meteorite: A nitrogen, noble gas, and $^{40}\text{Ar}/^{39}\text{Ar}$ investigation of silicates, metal and fluid inclusions. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6636-6653.	1.6	17
139	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
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