Simon P. Kelley

List of Publications by Year
in descending order

181	14,054	18482 62	22166 113
papers	citations	h-index	g-index

187	187	187	8190
all docs	docs citations	times ranked	citing authors

#	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. Journal of Petrology, 1996, 37, 45-71.	2.8	897
2	Timing of Hot Spot–Related Volcanism and the Breakup of Madagascar and India. Science, 1995, 267, 852-855.	12.6	586
3	Constant elevation of southern Tibet over the past 15 million years. Nature, 2003, 421, 622-624.	27.8	564
4	Episodic Silicic Volcanism in Patagonia and the Antarctic Peninsula: Chronology of Magmatism Associated with the Break-up of Gondwana. Journal of Petrology, 2000, 41, 605-625.	2.8	444
5	Timing of Tibetan uplift constrained by analysis of volcanic rocks. Nature, 1993, 364, 50-54.	27.8	384
6	Magmatism and continental break-up in the South Atlantic: high precision40Ar-39Ar geochronology. Earth and Planetary Science Letters, 1994, 121, 333-348.	4.4	382
7	Excess argon in Kâ€“Ar and Arâ€“Ar geochronology. Chemical Geology, 2002, 188, 1-22.	3.3	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. Geology, 2001, 29, 339.	4.4	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. Journal of Petrology, 2004, 45, 555-607.	2.8	309
10	Earliest magmatism in Ethiopia: Evidence for two mantle plumes in one flood basalt province. Geology, 1998, 26, 923.	4.4	303
11	Causes and consequences of protracted melting of the mid-crust exposed in the North Himalayan antiform. Earth and Planetary Science Letters, 2004, 228, 195-212.	4.4	283
12	3-D, 40Arî—¸39Ar geochronology in the ParanÃ¡ continental flood basalt province. Earth and Planetary Science Letters, 1996, 143, 95-109.	4.4	221
13	Rift deflection, migration, and propagation: Linkage of the Ethiopian and Eastern rifts, Africa. Bulletin of the Geological Society of America, 2000, 112, 163-176.	3.3	211
14	Evolution of a volcanic rifted margin: Southern Red Sea, Ethiopia. Bulletin of the Geological Society of America, 2005, 117, 846.	3.3	209
15	Post-collision magmatism and tectonics in northwest Anatolia. Contributions To Mineralogy and Petrology, 1994, 117, 241-252.	3.1	206
16	Thermal evolution, rate of exhumation, and tectonic significance of metamorphic rocks from the floor of the Alboran extensional basin, western Mediterranean. Tectonics, 1998, 17, 671-689.	2.8	184
17	40Ar-39Ar and Rb-Sr geochronology of high-pressure metamorphism and exhumation history of the Tavsanli Zone, NW Turkey. Contributions To Mineralogy and Petrology, 1999, 137, 46-58.	3.1	178
18	Rapid Kimberlite Ascent and the Significance of Ar-Ar Ages in Xenolith Phlogopites. Science, 2000, 289, 609-611.	12.6	172

#	Article	IF	Citations
19	Exhumation of blueschists along a Tethyan suture in northwest Turkey. Tectonophysics, 1998, 285, 275-299.	2.2	168
20	Crystalâ€“melt partitioning of noble gases (helium, neon, argon, krypton, and xenon) for olivine and clinopyroxene. Geochimica Et Cosmochimica Acta, 2007, 71, 1041-1061.	3.9	162
21	Simultaneous extensional exhumation across the Alboran Basin: Implications for the causes of late orogenic extension. Geology, 2003, 31, 251.	4.4	158
22	Evidence for excess argon during high pressure metamorphism in the dora maira massif (Western Alps,) Tj ETQq0 0 0 rgBT /Overlock 10 Mineralogy and Petrology, 1995, 121, 1-11.	3.1	149
23	Early Proterozoic Melt Generation Processes beneath the Intra-cratonic Cuddapah Basin, Southern India. Journal of Petrology, 2003, 44, 2139-2171.	2.8	149
24	Mantle processes during Gondwana break-up and dispersal. Journal of African Earth Sciences, 1999, 28, 239-261.	2.0	138
25	Mantle plumes and Antarctica-New Zealand rifting: evidence from mid-Cretaceous mafic dykes. Journal of the Geological Society, 1999, 156, 659-671.	2.1	136
26	Early Miocene continental subduction and rapid exhumation in the western Mediterranean. Geology, 2006, 34, 981.	4.4	133
27	The source and significance of argon isotopes in fluid inclusions from areas of mineralization. Earth and Planetary Science Letters, 1986, 79, 303-318.	4.4	132
28	Rapid eruption of Skye lavas inferred from precise Uâ€“Pb and Arâ€“Ar dating of the Rum and Cuillin plutonic complexes. Nature, 1998, 394, 260-263.	27.8	132
29	K-Ar Dating of Illite in Hydrocarbon Reservoirs. Clay Minerals, 1989, 24, 215-231.	0.6	129
30	Geochronological constraints on the evolution of the Periadriatic Fault System (Alps). International Journal of Earth Sciences, 2001, 90, 623-653.	1.8	121
31	The Generation of Potassic Lavas from the Eastern Virunga Province, Rwanda. Journal of Petrology, 1998, 39, 1223-1247.	2.8	118
32	Timing of tectonic events in the AlpujÃ¡rride Complex, Betic Cordillera, southern Spain. Journal of the Geological Society, 2005, 162, 451-462.	2.1	113
33	High precision spatially resolved analysis of Î´34S in sulphides using a laser extraction technique. Geochimica Et Cosmochimica Acta, 1990, 54, 883-888.	3.9	112
34	Tectonic setting, petrology and geochronology of jadeite + glaucophane and chloritoid + glaucophane schists from north-west Turkey. Journal of Metamorphic Geology, 1994, 12, 455-466.	3.4	110
35	The â€˜zero chargeâ€™ partitioning behaviour of noble gases during mantle melting. Nature, 2003, 423, 738-741.	27.8	107
36	High spatial resolution investigations using an ultra-violet laser probe extraction technique. Geochimica Et Cosmochimica Acta, 1994, 58, 3519-3525.	3.9	106

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37	ParanÃ¡ magmatism and the opening of the South Atlantic. Geological Society Special Publication, 1992, 68, 221-240.	1.3	103
38	A 40Ar/39Ar 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.	3.4	103
39	K-Ar and Ar-Ar Dating. Reviews in Mineralogy and Geochemistry, 2002, 47, 785-818.	4.8	102
40	When can muscovite 40Ar/39Ar dating constrain the timing of metamorphic exhumation?. Chemical Geology, 2012, 291, 79-86.	3.3	102
41	Interpreting and reporting 40Ar/39Ar geochronologic data. Bulletin of the Geological Society of America, 2021, 133, 461-487.	3.3	102
42	Exhumation of the Ronda peridotite and its crustal envelope: constraints from thermal modelling of a P â€“ T â€“time array. Journal of the Geological Society, 2003, 160, 655-676.	2.1	101
43	Evidence for a late Triassic multiple impact event on Earth. Nature, 1998, 392, 171-173.	27.8	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.	4.4	100
45	Tectonic setting and timing of the final Deccan flood basalt eruptions. Geology, 2010, 38, 839-842.	4.4	100
46	Kinematic reworking and exhumation within the convergent Alpine Orogen. Tectonophysics, 2003, 365, 77-102.	2.2	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.	4.4	92
48	Laser probe argonâ€40/argonâ€39 dating of coesiteâ€•and stishoviteâ€bearing pseudotachylytes and the age of the Vredefort impact event. Meteoritics, 1995, 30, 335-343.	1.4	88
49	Thermal effects and timing of thrusting in the Moine Thrust zone. Journal of the Geological Society, 1985, 142, 863-873.	2.1	85
50	Palaeoenvironment and ecology of the middle Cretaceous Grebenka flora of northeastern Asia. Palaeogeography, Palaeoclimatology, Palaeoecology, 2002, 184, 65-105.	2.3	85
51	Laser probe 40Ar-39Ar studies of the Peace River shocked L6 chondrite. Geochimica Et Cosmochimica Acta, 1988, 52, 2487-2499.	3.9	83
52	Excess argon evolution in HPâ€“LT rocks: a UVLAMP study of phengite and K-free minerals, NW Turkey. Chemical Geology, 2002, 182, 619-636.	3.3	83
53	New 40Ar/39Ar dating of the Grande Ronde lavas, Columbia River Basalts, USA: Implications for duration of flood basalt eruption episodes. Lithos, 2010, 118, 213-222.	1.4	81
54	The relationship between K-Ar mineral ages, mica grainsizes and movement on the Moine Thrust Zone, NW Highlands, Scotland. Journal of the Geological Society, 1988, 145, 1-10.	2.1	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.	3.1	77
56	Title is missing!. Bulletin of the Geological Society of America, 1998, 110, 0422.	3.3	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.	1.6	74
58	Laser-probe 40Ar/39Ar investigation of a pseudotachylyte and its host rock from the Outer Isles thrust, Scotland. Geology, 1994, 22, 443.	4.4	73
59	A Late Triassic Impact Ejecta Layer in Southwestern Britain. Science, 2002, 298, 2185-2188.	12.6	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.	4.4	72
61	40Ar39Ar 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.	4.4	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.	2.1	64
63	Short Paper: Detrital mineral ages from the Southern Uplands using 40Ar-39Ar laser probe. Journal of the Geological Society, 1989, 146, 401-403.	2.1	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.	3.1	61
65	Dating fault-generated pseudotachylytes: comparison of 40Ar/39Ar stepwise-heating, laser-ablation and Rbâ€“Sr microsampling analyses. Contributions To Mineralogy and Petrology, 2002, 144, 57-77.	3.1	60
66	Dating of Multistage Fluid Flow in Sandstones. Science, 2005, 309, 2048-2051.	12.6	60
67	Ar and K partitioning between clinopyroxene and silicate melt to 8 GPa. Geochimica Et Cosmochimica Acta, 2002, 66, 507-519.	3.9	58
68	Precise 40Ar/39Ar age for the initiation of Palaeogene volcanism in the Inner Hebrides and its regional significance. Journal of the Geological Society, 1996, 153, 815-818.	2.1	57
69	New40Ar/39Ar 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.	1.4	54
70	Boltysh, another endâ€Cretaceous impact. Meteoritics and Planetary Science, 2002, 37, 1031-1043.	1.6	52
71	Interpreting high-pressure phengite 40Ar/39Ar laserprobe ages: an example from Saih Hatat, NE Oman. Contributions To Mineralogy and Petrology, 2011, 161, 991-1009.	3.1	52
72	Helium in Earthâ€™s early core. Nature Geoscience, 2013, 6, 982-986.	12.9	51

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73	Noble gas transport into the mantle facilitated by high solubility in amphibole. Nature Geoscience, 2013, 6, 562-565.	12.9	51
74	Precise dating of low-temperature deformation: Strain-fringe analysis by 40Ar-39Ar laser microprobe. Geology, 2003, 31, 219.	4.4	50
75	Metamorphic rocks seek meaningful cooling rate: Interpreting 40Ar/39Ar ages in an exhumed ultra-high pressure terrane. Lithos, 2012, 155, 30-48.	1.4	50
76	Fluids during diagenesis and sulfate vein formation in sediments at Gale crater, Mars. Meteoritics and Planetary Science, 2016, 51, 2175-2202.	1.6	50
77	Relationships between marginal thrusting and movement on major, internal shear zones in the Northern Highland Caledonides, Scotland. Journal of Structural Geology, 1985, 7, 161-174.	2.3	49
78	Argon behaviour in gem-quality orthoclase from Madagascar: Experiments and some consequences for geochronology. Geochimica Et Cosmochimica Acta, 1997, 61, 3227-3255.	3.9	49
79	Paleogene time scale miscalibration: Evidence from the dating of the North Atlantic igneous province. Geology, 2002, 30, 7.	4.4	46
80	40Arâ€“39Ar dating of detrital muscovite in provenance investigations: a case study from the Adelaide Rift Complex, South Australia. Earth and Planetary Science Letters, 2004, 227, 297-311.	4.4	46
81	Determination of high spatial resolution argon isotope variations in metamorphic biotites. Geochimica Et Cosmochimica Acta, 1997, 61, 3809-3833.	3.9	45
82	A microstructural and argon laserprobe study of shear zone development at the western margin of the Nanga Parbat-Haramosh Massif, western Himalaya. Contributions To Mineralogy and Petrology, 1997, 128, 16-29.	3.1	45
83	40Ar/39Ar ages in deformed potassium feldspar: evidence of microstructural control on Ar isotope systematics. Contributions To Mineralogy and Petrology, 2001, 141, 186-200.	3.1	45
84	A late Triassic age for the Rochechouart impact structure, France. Meteoritics and Planetary Science, 1997, 32, 629-636.	1.6	43
85	Mineralogy and 40Ar/39Ar geochronology of orangeites (Group II kimberlites) from the Damodar Valley, eastern India. Mineralogical Magazine, 1998, 62, 313-323.	1.4	42
86	Protracted felsic magmatic activity associated with the opening of the South Atlantic. Journal of the Geological Society, 2001, 158, 583-592.	2.1	42
87	Preliminary UVLAMP determinations of argon partition coefficients for olivine and clinopyroxene grown from silicate melts. Chemical Geology, 1998, 147, 185-200.	3.3	41
88	Isotopic and petrographic evidence for young Martian basalts. Geochimica Et Cosmochimica Acta, 2008, 72, 5819-5837.	3.9	41
89	Two large meteorite impacts at the Cretaceous-Paleogene boundary. Geology, 2010, 38, 835-838.	4.4	40
90	Metamorphic events in the eastern Arunta Inlier, Part 2. Nd_Sr_Ar isotopic constraints. Precambrian Research, 1995, 71, 207-227.	2.7	39

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91	The geochronology of large igneous provinces, terrestrial impact craters, and their relationship to mass extinctions on Earth. Journal of the Geological Society, 2007, 164, 923-936.	2.1	39
92	Mafic dike swarms in the South Shetland Islands volcanic arc: Unravelling multiepisodic magmatism related to subduction and continental rifting. Journal of Geophysical Research, 1999, 104, 23051-23068.	3.3	38
93	Large clockwise rotations in an extensional allochthon, Alboran Domain (southern Spain). Journal of the Geological Society, 2000, 157, 1187-1197.	2.1	38
94	Obtaining geologically meaningful 40Arâ€“39Ar ages from altered biotite. Chemical Geology, 2001, 172, 277-290.	3.3	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. Geochimica Et Cosmochimica Acta, 2004, 68, 2379-2397.	3.9	38
96	Causes and effects of geochemical variations in late Cenozoic volcanism of the FoÃ§a volcanic centre, NW Anatolia, Turkey. International Geology Review, 2010, 52, 579-607.	2.1	38
97	Laser probe40Ar39Ar measurements of loss profiles within individual hornblende grains from the Giants Range Granite, northern Minnesota, USA. Earth and Planetary Science Letters, 1991, 107, 634-648.	4.4	37
98	Shock implantation of Martian atmospheric argon in four basaltic shergottites: A laser probe 40Ar/39Ar investigation. Geochimica Et Cosmochimica Acta, 2007, 71, 497-520.	3.9	36
99	Age and environment of Mioceneâ€“Pliocene glaciomarine deposits, James Ross Island, Antarctica. Geological Magazine, 2002, 139, .	1.5	35
100	New 207Pbâ€“206Pb and 40Arâ€“39Ar ages from SW Montana, USA: constraints on the Proterozoic and ArchÃ¦an tectonic and depositional history of the Wyoming Province. Precambrian Research, 2002, 117, 119-143.	2.7	35
101	Re-evaluating the age of the Haughton impact event. Meteoritics and Planetary Science, 2005, 40, 1777-1787.	1.6	34
102	Arâ€“Ar dating of authigenic K-feldspar: Quantitative modelling of radiogenic argon-loss through subgrain boundary networks. Geochimica Et Cosmochimica Acta, 2008, 72, 2695-2710.	3.9	34
103	A laser probe 40Ar/39Ar and INAA investigation of four Apollo granulitic breccias. Geochimica Et Cosmochimica Acta, 2008, 72, 5781-5798.	3.9	34
104	Using white mica ⁴⁰Ar/³⁹Ar data as a tracer for fluid flow and permeability under highâ€P conditions: Tauern Window, Eastern Alps. Journal of Metamorphic Geology, 2012, 30, 63-80.	3.4	34
105	Mid-Cretaceous ductile deformation on the Eastern Palmer Land Shear Zone, Antarctica, and implications for timing of Mesozoic terrane collision. Geological Magazine, 2002, 139, 465-471.	1.5	33
106	A high resolution record of multiple diagenetic events: Ultraviolet laser microprobe Ar/Ar analysis of zoned K-feldspar overgrowths. Earth and Planetary Science Letters, 2005, 238, 329-341.	4.4	33
107	A granite?gabbro complex from Madagascar: constraints on melting of the lower crust. Contributions To Mineralogy and Petrology, 2003, 145, 585-599.	3.1	32
108	Laser probe argonâ€40/argonâ€39 dating of pseudotachylyte from the Sudbury Structure: Evidence for postimpact thermal overprinting in the North Range. Meteoritics and Planetary Science, 1998, 33, 1259-1269.	1.6	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. Earth and Planetary Science Letters, 1998, 158, 143-155.	4.4	30
110	A reassessment of the age of the Cockburn Island Formation, northern Antarctic Peninsula, and its palaeoclimatic implications. Journal of the Geological Society, 1998, 155, 737-740.	2.1	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 Ar/ 39 Ar ages of hornblendes. Earth and Planetary Science Letters, 2016, 433, 192-203.	4.4	30
112	Constraints on light noble gas partitioning at the conditions of spinel-peridotite melting. Earth and Planetary Science Letters, 2013, 384, 178-187.	4.4	29
113	40Ar/39Ar study of plagioclases from the Rogaland anorthosite complex (SW Norway); an attempt to understand argon ages in plutonic plagioclase. Chemical Geology, 2001, 176, 105-135.	3.3	28
114	Direct dating of authigenic K-feldspar overgrowths from the Kilombero Rift of Tanzania. Journal of the Geological Society, 2001, 158, 801-807.	2.1	28
115	Syngenetic inclusions of yimengite in diamond from Sese kimberlite (Zimbabwe) â€" evidence for metasomatic conditions of growth. Lithos, 2004, 77, 181-192.	1.4	28
116	Argon solubility drop in silicate melts at high pressures: A review of recent experiments. Chemical Geology, 2008, 256, 252-258.	3.3	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. Earth and Planetary Science Letters, 1998, 162, 153-164.	4.4	27
119	40Ar/39Ar dating of oil generation and migration at complex continental margins. Geology, 2010, 38, 75-78.	4.4	27
120	Argon behaviour in an inverted Barrovian sequence, Sikkim Himalaya: The consequences of temperature and timescale on 40 Ar/ 39 Ar mica geochronology. Lithos, 2015, 238, 37-51.	1.4	27
121	Light noble gas dissolution into ring structure-bearing materials and lattice influences on noble gas recycling. Geochimica Et Cosmochimica Acta, 2015, 159, 1-15.	3.9	27
122	Gondwana break-up related magmatism in the Falkland Islands. Journal of the Geological Society, 2016, 173, 108-126.	2.1	25
123	Pleistocene glass in the Australian desert: The case for an impact origin. Geology, 2001, 29, 899.	4.4	24
124	Fingerprinting polyorogenic detritus using the 40Ar/39Ar ultraviolet laser microprobe. Geology, 2002, 30, 515.	4.4	24
125	Late Palaeozoic hydrocarbon migration through the Clair field, West of Shetland, UK Atlantic margin. Geochimica Et Cosmochimica Acta, 2008, 72, 2510-2533.	3.9	24
126	In situ radiometric dating on Mars: Investigation of the feasibility of K-Ar dating using flight-type mass and X-ray spectrometers. Planetary and Space Science, 2009, 57, 1237-1245.	1.7	24

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127	Two diffusion pathways in quartz: A combined UV-laser and RBS study. Geochimica Et Cosmochimica Acta, 2010, 74, 5906-5925.	3.9	23
128	Mineralogy, geochemistry, and 40Arâ€“39Ar geochronology of lunar granulitic breccia Northwest Africa 3163 and paired stones: Comparisons with Apollo samples. Geochimica Et Cosmochimica Acta, 2011, 75, 2865-2881.	3.9	23
129	Thinning of the Antarctic Peninsula lithosphere through the Mesozoic: evidence from Middle Jurassic basaltic lavas. Lithos, 2003, 67, 163-179.	1.4	22
130	A Possible Tektite Strewn Field in the Argentinian Pampa. Science, 2002, 296, 1109-1111.	12.6	21
131	The use of heavy mineral correlation for determining the source of impact ejecta: A Manicouagan distal ejecta case study. Earth and Planetary Science Letters, 2009, 285, 163-172.	4.4	21
132	Textural characterization, major and volatile element quantification and Arâ€“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.	3.1	21
133	A high-resolution nonmarine record of an early Danian hyperthermal event, Boltysh crater, Ukraine. Geology, 2013, 41, 783-786.	4.4	21
134	The Strangways impact structure, Northern Territory, Australia: geological setting and laser probe 40Ar/39Ar geochronology. Earth and Planetary Science Letters, 1999, 172, 199-211.	4.4	20
135	Resolution of regional fluid flow related to successive orogenic events on the Laurentian margin. Geology, 2007, 35, 547.	4.4	20
136	40Ar/39Ar ages and residual volatile contents in degassed subaerial and subglacial glassy volcanic rocks from Iceland. Chemical Geology, 2015, 403, 99-110.	3.3	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 Arâ€“Ar investigation of silicates, metal and fluid inclusions. Geochimica Et Cosmochimica Acta, 2010, 74, 6636-6653.	3.9	17
139	Retention of inherited Ar by alkali feldspar xenocrysts in a magma: Kinetic constraints from Ba zoning profiles. Geochimica Et Cosmochimica Acta, 2012, 93, 129-142.	3.9	17
140	Argon redistribution during a metamorphic cycle: Consequences for determining cooling rates. Chemical Geology, 2016, 443, 182-197.	3.3	17
141	Sediments and Impact Rocks Filling the Boltysh Impact Crater. , 2006, , 335-358.		16
142	Magma flow regimes in sills deduced from Ar isotope systematics of host rocks. Journal of Geophysical Research, 2001, 106, 4017-4035.	3.3	15
143	Radiogenic isotope records of Quaternary glaciations: Changes in the erosional source and weathering processes. Geology, 2004, 32, 861.	4.4	15
144	Temperatureâ€“compositionâ€“time (Tâ€“Xâ€“t) data from authigenic K-feldspar: An integrated methodology for dating fluid flow events. Journal of Geochemical Exploration, 2006, 89, 259-262.	3.2	15

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145	Petrography, geochemistry, and argonâ€40/argonâ€39 ages of impactâ€melt rocks and breccias from the Ames impact structure, Oklahoma: The Nicor Chestnut 18â€4 drill core. Meteoritics and Planetary Science, 2001, 36, 651-669.	1.6	14
146	⁴⁰ Ar/ ³⁹ 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. Geological Society Special Publication, 2003, 220, 231-248.	1.3	14
147	Recycling argon through metamorphic reactions: The record in symplectites. Lithos, 2018, 300-301, 200-211.	1.4	14
148	Partitioning of excess argon between alkali feldspars and glass in a young volcanic system. Chemical Geology, 2011, 289, 12-30.	3.3	13
149	Ejecta of the Boltysh Impact Crater in the Ukrainian Shield. Impact Studies, 2003, , 179-202.	0.5	13
150	Compositional controls on 40Ar/39Ar ages of zoned mica from a rare-element pegmatite. Contributions To Mineralogy and Petrology, 2005, 149, 613-626.	3.1	12
151	Recycling of heavy noble gases by subduction of serpentinite. Earth and Planetary Science Letters, 2019, 521, 120-127.	4.4	12
152	Climatic oscillations stall vegetation recovery from K/Pg event devastation. Journal of the Geological Society, 2013, 170, 477-482.	2.1	11
153	Discussion on detrital mineral ages from the Southern Uplands using 40Ar-39Ar laser probe. Journal of the Geological Society, 1990, 147, 882-884.	2.1	10
154	40Ar/39Ar hornblende dating of a microgranodiorite dyke: implications for early Permian extension in the Moldanubian Zone of the Bohemian Massif. International Journal of Earth Sciences, 2001, 90, 379-385.	1.8	10
155	Short lived 36Cl and its decay products 36Ar and 36S in the early solar system. Geochimica Et Cosmochimica Acta, 2013, 123, 358-367.	3.9	10
156	Observation of centimetre-scale argon diffusion in alkali feldspars: implications for ⁴⁰ Ar/ ³⁹ Ar thermochronology. Geological Society Special Publication, 2014, 378, 265-275.	1.3	10
157	The role of the virtual microscope in distance learning. Open Learning, 2011, 26, 127-134.	4.0	9
158	Cryptic microtextures and geological histories of K-rich alkali feldspars revealed by charge contrast imaging. Contributions To Mineralogy and Petrology, 2012, 163, 983-994.	3.1	9
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