Richard A Spikings

List of Publications by Year
in descending order

72 papers	3,161 citations	172457 29 h-index	161849 54 g-index
72 all docs	72 docs citations	72 times ranked	2111 citing authors

#	Article	IF	Citations
1	Inclusions of Amorphous and Crystalline SiO2 in Minerals from Itrongay (Madagascar) and Other Evidence for the Natural Occurrence of Hydrosilicate Fluids. Geosciences (Switzerland), 2022, 12, 28.	2.2	1
2	Geochronological, geochemical and isotopic characterisation of the basement of the ChocÃ³-PanamÃ¡ Block in Colombia. Lithos, 2022, 412-413, 106598.	1.4	3
3	The Geochemical and Isotopic Record of Wilson Cycles in Northwestern South America: From the Iapetus to the Caribbean. Geosciences (Switzerland), 2022, 12, 5.	2.2	2
4	Constraints on the ages of the crystalline basement and Palaeozoic cover exposed in the Cordillera real, Ecuador: 40Ar/39Ar analyses and detrital zircon U/Pb geochronology. Gondwana Research, 2021, 90, 77-101.	6.0	19
5	Numerical Modelling of Radiogenic Ingrowth and Diffusion of Pb in Apatite Inclusions with Variable Shape and U-Th Zonation. Minerals (Basel, Switzerland), 2021, 11, 364.	2.0	2
6	A revised interpretation of the Chon Aike magmatic province: Active margin origin and implications for the opening of the Weddell Sea. Lithos, 2021, 386-387, 106013.	1.4	16
7	Data on the arc magmatism developed in the Antarctic Peninsula and Patagonia during the Late Triassicâ€“Jurassic: A compilation of new and previous geochronology, geochemistry and isotopic tracing results. Data in Brief, 2021, 36, 107042.	1.0	4
8	Geochemical and isotopic variations in a frontal arc volcanic cluster (Chachimbiro-Pulumbura-Pilavo-Yanaurcu, Ecuador). Chemical Geology, 2021, 574, 120240.	3.3	3
9	Jurassic to Early Paleogene sedimentation in the Amazon region of Ecuador: Implications for the paleogeographic evolution of northwestern South America. Global and Planetary Change, 2021, 204, 103555.	3.5	14
10	Thermochronology of Alkali Feldspar and Muscovite at T > 150 Â°C Using the 40Ar/39Ar Method: A Review. Minerals (Basel, Switzerland), 2021, 11, 1025.	2.0	9
11	Thermal history of the crystalline basement from the western and southern Gulf of Mexico: Implications for rifting and later events. , 2021, , 403-420.		6
12	Apatite U-Pb Thermochronology: A Review. Minerals (Basel, Switzerland), 2021, 11, 1095.	2.0	21
13	U-Pb ID-TIMS reference ages and initial Pb isotope compositions for Durango and Wilberforce apatites. Chemical Geology, 2021, 586, 120604.	3.3	15
14	The Gondwanan margin in West Antarctica: Insights from Late Triassic magmatism of the Antarctic Peninsula. Gondwana Research, 2020, 81, 1-20.	6.0	22
15	Sedimentology, Provenance and Radiometric Dating of the Silante Formation: Implications for the Cenozoic Evolution of the Western Andes of Ecuador. Minerals (Basel, Switzerland), 2020, 10, 929.	2.0	5
16	⁴⁰Ar/³⁹Ar age constraints for an early Alpine metamorphism of the Sakar unit, Sakarâ€“Strandzha zone, Bulgaria. Geological Magazine, 2020, 157, 2106-2112.	1.5	6
17	Diffusion and fluid interaction in Itrongay pegmatite (Madagascar): Evidence from in situ 40Ar/39Ar dating of gem-quality alkali feldspar and U Pb dating of protogenetic apatite inclusions. Chemical Geology, 2020, 556, 119841.	3.3	8
18	Geochronology of metamorphism, deformation and fluid circulation: A comparison between Rb-Sr and Ar-Ar phyllosilicate and U-Pb apatite systematics in the Karagwe-Ankole Belt (Central Africa). Gondwana Research, 2020, 83, 279-297.	6.0	11

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19	Diffusion vs. fluid alteration in alkali feldspar 40Ar/39Ar thermochronology: Does cross-correlation of log(r/r0) and age spectra validate thermal histories?. Chemical Geology, 2020, 539, 119506.	3.3	10
20	Latest Triassic to Early Cretaceous tectonics of the Northern Andes: Geochronology, geochemistry, isotopic tracing, and thermochronology. , 2019, , 173-208.		5
21	Late cretaceous to miocene stratigraphy and provenance of the coastal forearc and Western Cordillera of Ecuador: Evidence for accretion of a single oceanic plateau fragment. , 2019, , 209-236.		15
22	Zircon Petrochronology and 40Ar/39Ar Thermochronology of the Adamello Intrusive Suite, N. Italy: Monitoring the Growth and Decay of an Incrementally Assembled Magmatic System. Journal of Petrology, 2019, 60, 701-722.	2.8	38
23	The effect of intra-crystal uranium zonation on apatite U-Pb thermochronology: A combined ID-TIMS and LA-MC-ICP-MS study. Geochimica Et Cosmochimica Acta, 2019, 251, 15-35.	3.9	15
24	Multi-proxy isotopic tracing of magmatic sources and crustal recycling in the Palaeozoic to Early Jurassic active margin of North-Western Gondwana. Gondwana Research, 2019, 66, 227-245.	6.0	11
25	Removing a mask of alteration: Geochemistry and age of the Karadag volcanic sequence in SE Crimea. Lithos, 2019, 324-325, 371-384.	1.4	13
26	New age constraints on the palaeoenvironmental evolution of the late Paleozoic back-arc basin along the western Gondwana margin of southern Peru. Journal of South American Earth Sciences, 2018, 82, 165-180.	1.4	6
27	High temperature (>350â€Â°C) thermal histories of the long lived (>500â€Ma) active margin of Ecuador and Colombia: Apatite, titanite and rutile U-Pb thermochronology. Geochimica Et Cosmochimica Acta, 2018, 228, 275-300.	3.9	21
28	From nappe stacking to exhumation: Cretaceous tectonics in the Apuseni Mountains (Romania). International Journal of Earth Sciences, 2017, 106, 659-685.	1.8	19
29	Polyphase vein mineralization in the Fennoscandian Shield at Ã…kerlandet, JÃrvsand, and Laisvall along the erosional front of the Caledonian orogen, Sweden. Mineralium Deposita, 2017, 52, 823-844.	4.1	6
30	Constraints from ⁴⁰Ar/³⁹Ar geochronology on the timing of Alpine shear zones in the Mont Blancâ€Aiguilles Rouges region of the European Alps. Tectonics, 2017, 36, 730-748.	2.8	21
31	Evidence of Variscan and Alpine tectonics in the structural and thermochronological record of the central Serbo-Macedonian Massif (south-eastern Serbia). International Journal of Earth Sciences, 2017, 106, 1665-1692.	1.8	12
32	Characterisation of Triassic rifting in Peru and implications for the early disassembly of western Pangaea. Gondwana Research, 2016, 35, 124-143.	6.0	92
33	Comment on Georgiev et al. â€œStructure and Uâ€“Pb zircon geochronology of an Alpine nappe stack telescoped by extensional detachment faulting (Kulidzhik area, Eastern Rhodopes, Bulgaria). International Journal of Earth Sciences, 2016, 105, 2161-2170.	1.8	1
34	Palaeozoic to Early Jurassic history of the northwestern corner of Gondwana, and implications for the evolution of the Iapetus, Rheic and Pacific Oceans. Gondwana Research, 2016, 31, 271-294.	6.0	82
35	Thermochronology and tectonics of the MÃ©rida Andes and the Santander Massif, NW South America. Lithos, 2016, 248-251, 220-239.	1.4	39
36	Timing of porphyry (Cu-Mo) and base metal (Zn-Pb-Ag-Cu) mineralisation in a magmatic-hydrothermal systemâ€”Morococha district, Peru. Mineralium Deposita, 2015, 50, 895-922.	4.1	32

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37	The Yanaurcu volcano (Western Cordillera, Ecuador): A field, petrographic, geochemical, isotopic and geochronological study. Lithos, 2015, 218-219, 37-53.	1.4	28
38	The geological history of northwestern South America: from Pangaea to the early collision of the Caribbean Large Igneous Province (290â€“75Ma). Gondwana Research, 2015, 27, 95-139.	6.0	190
39	Sedimentary-rock-hosted epithermal systems of the Tertiary Eastern Rhodopes, Bulgaria: new constraints from the Stremtsi gold prospect. Geological Society Special Publication, 2014, 402, 207-230.	1.3	10
40	Rock uplift and exhumation of continental margins by the collision, accretion, and subduction of buoyant and topographically prominent oceanic crust. Tectonics, 2014, 33, 635-655.	2.8	37
41	High temperature (>350Â°C) thermochronology and mechanisms of Pb loss in apatite. Geochimica Et Cosmochimica Acta, 2014, 127, 39-56.	3.9	154
42	Permo-Triassic anatexis, continental rifting and the disassembly of western Pangaea. Lithos, 2014, 190-191, 383-402.	1.4	98
43	Distinguishing between in-situ and accretionary growth of continents along active margins. Lithos, 2014, 202-203, 382-394.	1.4	64
44	Mass Spectrometry in Earth Sciences: The Precise and Accurate Measurement of Time. Chimia, 2014, 68, 124-128.	0.6	2
45	Late Paleozoic to Jurassic chronostratigraphy of coastal southern Peru: Temporal evolution of sedimentation along an active margin. Journal of South American Earth Sciences, 2013, 47, 179-200.	1.4	30
46	How Accurately Can We Date the Duration of Magmatic-Hydrothermal Events in Porphyry Systems?–An Invited Paper. Economic Geology, 2013, 108, 565-584.	3.8	213
47	Thermochronology and tectonics of the Central and Western Cordilleras of Colombia: Early Cretaceousâ€“Tertiary evolution of the Northern Andes. Lithos, 2013, 160-161, 228-249.	1.4	120
48	40Ar/39Ar age constraints on the timing of Tertiary crustal extension and its temporal relation to ore-forming and magmatic processes in the Eastern Rhodope Massif, Bulgaria. Lithos, 2013, 180-181, 264-278.	1.4	25
49	A visualization of the damage in Lead Tungstate calorimeter crystals after exposure to high-energy hadrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 684, 57-62.	1.6	45
50	Timing of low-temperature mineral formation during exhumation and cooling in the Central Alps, Switzerland. Earth and Planetary Science Letters, 2012, 327-328, 1-8.	4.4	19
51	Mesozoic arc magmatism along the southern Peruvian margin during Gondwana breakup and dispersal. Lithos, 2012, 146-147, 48-64.	1.4	57
52	Vertical tectonics at a continental crustâ€oceanic plateau plate boundary zone: Fission track thermochronology of the Sierra Nevada de Santa Marta, Colombia. Tectonics, 2011, 30, .	2.8	51
53	Geochronology, geochemistry and tectonic evolution of the Western and Central cordilleras of Colombia. Lithos, 2011, 125, 875-896.	1.4	219
54	The ⁴⁰Ar/³⁹Ar and U/Pb dating of young rhyolites in the Kosâ€Nisyros volcanic complex, Eastern Aegean Arc, Greece: Age discordance due to excess ⁴⁰Ar in biotite. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	45

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55	Application of low-temperature thermochronology to hydrothermal ore deposits: Formation, preservation and exhumation of epithermal gold systems from the Eastern Rhodopes, Bulgaria. Tectonophysics, 2010, 483, 240-254.	2.2	70
56	The effect of early Alpine thrusting in late-stage extensional tectonics: Evidence from the Kulidzhik nappe and the Pelevun extensional allochthon in the Rhodope Massif, Bulgaria. Tectonophysics, 2010, 488, 256-281.	2.2	28
57	Thermochronology and tectonics of the Leeward Antilles: Evolution of the southern Caribbean Plate boundary zone. Tectonics, 2010, 29, n/a-n/a.	2.8	38
58	40Ar/39Ar and U-Pb geochronology of the Iran Tepe volcanic complex, Eastern Rhodopes. Geologica Balcanica, 2010, 39, 3-12.	0.5	18
59	Tectonomagmatic evolution of Western Amazonia: Geochemical characterization and zircon U-Pb geochronologic constraints from the Peruvian Eastern Cordilleran granitoids. Bulletin of the Geological Society of America, 2009, 121, 1298-1324.	3.3	122
60	Bracketing the Age of Magmatic-Hydrothermal Activity at the Cerro de Pasco Epithermal Polymetallic Deposit, Central Peru: A U-Pb and 40Ar/39Ar Study. Economic Geology, 2009, 104, 479-504.	3.8	44
61	Mode and timing of terrane accretion in the forearc of the Andes in Ecuador. , 2009, , .		34
62	Rapid transition to long-lived deep crustal magmatic maturation and the formation of giant porphyry-related mineralization (Yanacocha, Peru). Earth and Planetary Science Letters, 2009, 288, 505-515.	4.4	110
63	Geochronology and stable isotope signature of alteration related to hydrothermal magnetite ores in Central Anatolia, Turkey. Mineralium Deposita, 2008, 43, 111-124.	4.1	21
64	New 40Ar/39Ar alunite ages from the Colquijirca district, Peru: evidence of a long period of magmatic SO2 degassing during formation of epithermal Auâ€“Ag and Cordilleran polymetallic ores. Mineralium Deposita, 2008, 43, 777-789.	4.1	24
65	Detrital zircon fingerprint of the Proto-Andes: Evidence for a Neoproterozoic active margin?. Precambrian Research, 2008, 167, 186-200.	2.7	123
66	Tectonic response of the central Chilean margin (35â€“38Â°S) to the collision and subduction of heterogeneous oceanic crust: a thermochronological study. Journal of the Geological Society, 2008, 165, 941-953.	2.1	34
67	Origin and Cretaceous tectonic history of the coastal Ecuadorian forearc between 1Â°N and 3Â°S: Paleomagnetic, radiometric and fossil evidence. Earth and Planetary Science Letters, 2006, 249, 400-414.	4.4	112
68	The early interaction between the Caribbean Plateau and the NW South American Plate. Terra Nova, 2006, 18, 264-269.	2.1	111
69	The Chota basin and its significance for the inception and tectonic setting of the inter-Andean depression in Ecuador. Journal of South American Earth Sciences, 2005, 19, 5-19.	1.4	53
70	Mioâ€“Pliocene adakite generation related to flat subduction in southern Ecuador: the Quimsacocha volcanic center. Earth and Planetary Science Letters, 2001, 192, 561-570.	4.4	128
71	Low-temperature thermochronology of the northern Cordillera Real, Ecuador: Tectonic insights from zircon and apatite fission track analysis. Tectonics, 2000, 19, 649-668.	2.8	54
72	Phanerozoic Denudation History of the Mount Isa Inlier, Northern Australia: Response of a Proterozoic Mobile Belt to Intraplate Tectonics. International Geology Review, 1997, 39, 107-124.	2.1	25