

Steven M. Reddy

List of Publications by Year in descending order

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149
papers

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173
times ranked

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#	ARTICLE	IF	CITATIONS
1	Magnetite-rutile symplectite in ilmenite records magma hydration in layered intrusions. <i>American Mineralogist</i> , 2022, 107, 395-404.	1.9	4
2	Standardizing Spatial Reconstruction Parameters for the Atom Probe Analysis of Common Minerals. <i>Microscopy and Microanalysis</i> , 2022, 28, 1221-1230.	0.4	11
3	Superimposed microstructures of pyrite in auriferous quartz veins as fingerprints of episodic fluid infiltration in the Wulong Lode gold deposit, NE China. <i>Mineralium Deposita</i> , 2022, 57, 685-700.	4.1	7
4	Dislocations in minerals: Fast-diffusion pathways or trace-element traps?. <i>Earth and Planetary Science Letters</i> , 2022, 584, 117517.	4.4	12
5	Partial retention of radiogenic Pb in galena nanocrystals explains discordance in monazite from Napier Complex (Antarctica). <i>Earth and Planetary Science Letters</i> , 2022, 588, 117567.	4.4	7
6	Weakening the lower crust: conditions, reactions and deformation. <i>Lithos</i> , 2022, 422-423, 106738.	1.4	2
7	Bayesian geological and geophysical data fusion for the construction and uncertainty quantification of 3D geological models. <i>Geoscience Frontiers</i> , 2021, 12, 479-493.	8.4	27
8	Mechanical twinning of monazite expels radiogenic lead. <i>Geology</i> , 2021, 49, 417-421.	4.4	21
9	Trace-element segregation to dislocation loops in experimentally heated zircon. <i>American Mineralogist</i> , 2021, 106, 1971-1979.	1.9	7
10	Mineral inclusions are not immutable: Evidence of post-entrapment thermally-induced shape change of quartz in garnet. <i>Earth and Planetary Science Letters</i> , 2021, 555, 116708.	4.4	20
11	Deformation-enhanced recrystallization of titanite drives decoupling between U-Pb and trace elements. <i>Earth and Planetary Science Letters</i> , 2021, 560, 116810.	4.4	27
12	Developing Atom Probe Tomography of Phyllosilicates in Preparation for Extra-Terrestrial Sample Return. <i>Geostandards and Geoanalytical Research</i> , 2021, 45, 427-441.	3.1	5
13	A new kind of invisible gold in pyrite hosted in deformation-related dislocations. <i>Geology</i> , 2021, 49, 1225-1229.	4.4	30
14	Lunar samples record an impact 4.2 billion years ago that may have formed the Serenitatis Basin. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	9
15	Extreme plastic deformation and subsequent Pb loss in shocked xenotime from the Vredefort Dome, South Africa. , 2021, , .		1
16	Disorientation control on trace element segregation in fluid-affected low-angle boundaries in olivine. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	3.1	10
17	Xenotime at the Nanoscale: U-Pb Geochronology and Optimisation of Analyses by Atom Probe Tomography. <i>Geostandards and Geoanalytical Research</i> , 2021, 45, 443-456.	3.1	10
18	Pre-nucleation geochemical heterogeneity within glassy anatectic inclusions and the role of water in glass preservation. <i>Contributions To Mineralogy and Petrology</i> , 2021, 176, 1.	3.1	8

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19	A new method for dating impact events – Thermal dependency on nanoscale Pb mobility in monazite shock twins. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 314, 381-396.	3.9	13
20	Solar wind contributions to Earth’s oceans. <i>Nature Astronomy</i> , 2021, 5, 1275-1285.	10.1	22
21	Computer vision-based framework for extracting tectonic lineaments from optical remote sensing data. <i>International Journal of Remote Sensing</i> , 2020, 41, 1760-1787.	2.9	32
22	The geochemical and geochronological implications of nanoscale trace-element clusters in rutile. <i>Geology</i> , 2020, 48, 1126-1130.	4.4	16
23	Novel Applications of FIB-SEM-Based ToF-SIMS in Atom Probe Tomography Workflows. <i>Microscopy and Microanalysis</i> , 2020, 26, 750-757.	0.4	32
24	Tracing Highly Siderophile Elements through Subduction: Insights from High-pressure Serpentinites and –Hybrid– Rocks from Alpine Corsica. <i>Journal of Petrology</i> , 2020, 61, .	2.8	5
25	Atom Probe Tomography: Development and Application to the Geosciences. <i>Geostandards and Geoanalytical Research</i> , 2020, 44, 5-50.	3.1	84
26	Volcanic SiO ₂ -cristobalite: A natural product of chemical vapor deposition. <i>American Mineralogist</i> , 2020, 105, 510-524.	1.9	20
27	Nanoscale Isotopic Dating of Monazite. <i>Geostandards and Geoanalytical Research</i> , 2020, 44, 637-652.	3.1	15
28	Time-resolved, defect-hosted, trace element mobility in deformed Witwatersrand pyrite. <i>Geoscience Frontiers</i> , 2019, 10, 55-63.	8.4	44
29	Spatial Reconstruction of Atom Probe Data from Zircon. <i>Microscopy and Microanalysis</i> , 2019, 25, 2536-2537.	0.4	6
30	Microstructural constraints on magma emplacement and sulfide transport mechanisms. <i>Lithosphere</i> , 2019, 11, 73-90.	1.4	8
31	Constraining mountain front tectonic activity in extensional setting from geomorphology and Quaternary stratigraphy: A case study from the Matese ridge, southern Apennines. <i>Quaternary Science Reviews</i> , 2019, 219, 47-67.	3.0	20
32	Hall’s Petch Slope in Ultrafine Grained Al-Mg Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019, 50, 4047-4057.	2.2	11
33	Nanoscale processes of trace element mobility in metamorphosed zircon. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.	3.1	28
34	Cr-spinel records metasomatism not petrogenesis of mantle rocks. <i>Nature Communications</i> , 2019, 10, 5103.	12.8	42
35	Direct Observation of Nanoparticulate Goethite Recrystallization by Atom Probe Analysis of Isotopic Tracers. <i>Environmental Science & Technology</i> , 2019, 53, 13126-13135.	10.0	19
36	Antimony in rutile as a pathfinder for orogenic gold deposits. <i>Ore Geology Reviews</i> , 2019, 106, 1-11.	2.7	37

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37	Analysis of Natural Rutile (TiO ₂) by Laser-assisted Atom Probe Tomography. <i>Microscopy and Microanalysis</i> , 2019, 25, 539-546.	0.4	16
38	Gold, arsenic, and copper zoning in pyrite: A record of fluid chemistry and growth kinetics. <i>Geology</i> , 2019, 47, 641-644.	4.4	71
39	Evolution of the Singhbhum Craton and supracrustal provinces from age, isotopic and chemical constraints. <i>Earth-Science Reviews</i> , 2019, 193, 237-259.	9.1	89
40	Micro- and nano-scale textural and compositional zonation in plagioclase at the Black Mountain porphyry Cu deposit: Implications for magmatic processes. <i>American Mineralogist</i> , 2019, 104, 391-402.	1.9	20
41	Etching of fission tracks in monazite: An experimental study. <i>Terra Nova</i> , 2019, 31, 179-188.	2.1	5
42	Neoproterozoic hydrothermal activity in the West Australian Craton related to Rodinia assembly or breakup?. <i>Gondwana Research</i> , 2019, 68, 1-12.	6.0	20
43	Unravelling complex geologic histories using U-Pb and trace element systematics of titanite. <i>Chemical Geology</i> , 2019, 504, 105-122.	3.3	46
44	Nanoscale constraints on the shock-induced transformation of zircon to reidite. <i>Chemical Geology</i> , 2019, 507, 85-95.	3.3	19
45	Nanoscale resetting of the Th/Pb system in an isotopically-closed monazite grain: A combined atom probe and transmission electron microscopy study. <i>Geoscience Frontiers</i> , 2019, 10, 65-76.	8.4	38
46	Subsurface deposition of Cu-rich massive sulphide underneath a Palaeoproterozoic seafloor hydrothermal system—the Red Bore prospect, Western Australia. <i>Mineralium Deposita</i> , 2018, 53, 1061-1078.	4.1	8
47	Nanoscale distribution of Pb in monazite revealed by atom probe microscopy. <i>Chemical Geology</i> , 2018, 479, 251-258.	3.3	39
48	Defining the Potential of Nanoscale Re-Os Isotope Systematics Using Atom Probe Microscopy. <i>Geostandards and Geoanalytical Research</i> , 2018, 42, 279-299.	3.1	13
49	Assessing the mechanisms of common Pb incorporation into titanite. <i>Chemical Geology</i> , 2018, 483, 558-566.	3.3	47
50	Atomic worlds: Current state and future of atom probe tomography in geoscience. <i>Scripta Materialia</i> , 2018, 148, 115-121.	5.2	39
51	Extensional episodes in the Paleoproterozoic Capricorn Orogen, Western Australia, revealed by petrogenesis and geochronology of mafic-ultramafic rocks. <i>Precambrian Research</i> , 2018, 306, 22-40.	2.7	22
52	Phase equilibria modelling constraints on <i>P-T</i> conditions during fluid catalysed conversion of granulite to eclogite in the Bergen Arcs, Norway. <i>Journal of Metamorphic Geology</i> , 2018, 36, 315-342.	3.4	37
53	Microstructural, trace element and geochronological characterization of TiO ₂ polymorphs and implications for mineral exploration. <i>Chemical Geology</i> , 2018, 476, 130-149.	3.3	32
54	Footprint of a large intracontinental rifting event: Coupled detrital zircon geochronology and geochemistry from the Mesoproterozoic Collier Basin, Western Australia. <i>Precambrian Research</i> , 2018, 318, 156-169.	2.7	5

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55	Post-accretionary exhumation of the Meguma terrane relative to the Avalon terrane in the Canadian Appalachians. <i>Tectonophysics</i> , 2018, 747-748, 343-356.	2.2	11
56	Atom probe tomography analysis of the reference zircon gj-1: An interlaboratory study. <i>Chemical Geology</i> , 2018, 495, 27-35.	3.3	27
57	Isotopic constraints on fluid evolution and ore precipitation in a sediment-hosted Pb-Ag-Ba-Zn-Cu-Au deposit in the Capricorn Orogen, Western Australia. <i>Applied Geochemistry</i> , 2018, 96, 217-232.	3.0	1
58	Microstructural constraints on the mechanisms of the transformation to reidite in naturally shocked zircon. <i>Contributions To Mineralogy and Petrology</i> , 2017, 172, 1.	3.1	64
59	Shocked monazite chronometry: integrating microstructural and in situ isotopic age data for determining precise impact ages. <i>Contributions To Mineralogy and Petrology</i> , 2017, 172, 1.	3.1	44
60	Zircon geochronology reveals polyphase magmatism and crustal anatexis in the Buchan Block, NE Scotland: Implications for the Grampian Orogeny. <i>Geoscience Frontiers</i> , 2017, 8, 1469-1478.	8.4	16
61	Effects of geodynamic setting on the redox state of fluids released by subducted mantle lithosphere. <i>Lithos</i> , 2017, 278-281, 26-42.	1.4	57
62	Atom probe microscopy of zinc isotopic enrichment in ZnO nanorods. <i>AIP Advances</i> , 2017, 7, .	1.3	7
63	Crystallography of refractory metal nuggets in carbonaceous chondrites: A transmission Kikuchi diffraction approach. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 216, 42-60.	3.9	7
64	A pressure-temperature phase diagram for zircon at extreme conditions. <i>Earth-Science Reviews</i> , 2017, 165, 185-202.	9.1	128
65	Redistribution of Iron and Titanium in High-Pressure Ultramafic Rocks. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 3869-3890.	2.5	8
66	Cubic zirconia in >2370°C impact melt records Earth's hottest crust. <i>Earth and Planetary Science Letters</i> , 2017, 477, 52-58.	4.4	41
67	Nebula sulfidation and evidence for migration of free-floating refractory metal nuggets revealed by atom probe microscopy. <i>Geology</i> , 2017, 45, 847-850.	4.4	13
68	Correlative Analysis using FIB-ToF-SIMS and Atom Probe Tomography on Geological Materials. <i>Microscopy and Microanalysis</i> , 2016, 22, 684-685.	0.4	2
69	Deformed monazite yields high-temperature tectonic ages: REPLY. <i>Geology</i> , 2016, 44, e378-e378.	4.4	2
70	The golden ark: arsenopyrite crystal plasticity and the retention of gold through high strain and metamorphism. <i>Terra Nova</i> , 2016, 28, 181-187.	2.1	28
71	Nanogeochronology of discordant zircon measured by atom probe microscopy of Pb-enriched dislocation loops. <i>Science Advances</i> , 2016, 2, e1601318.	10.3	86
72	A scanning ion imaging investigation into the micron-scale U-Pb systematics in a complex lunar zircon. <i>Chemical Geology</i> , 2016, 438, 112-122.	3.3	25

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73	An investigation of the laser-induced zircon "matrix effect". <i>Chemical Geology</i> , 2016, 438, 11-24.	3.3	44
74	Nanoscale gold clusters in arsenopyrite controlled by growth rate not concentration: Evidence from atom probe microscopy. <i>American Mineralogist</i> , 2016, 101, 1916-1919.	1.9	94
75	Mechanisms of deformation-induced trace element migration in zircon resolved by atom probe and correlative microscopy. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 195, 158-170.	3.9	64
76	In situ multiple sulfur isotope analysis by SIMS of pyrite, chalcopyrite, pyrrhotite, and pentlandite to refine magmatic ore genetic models. <i>Chemical Geology</i> , 2016, 444, 1-15.	3.3	108
77	An atmospheric source of S in Mesoarchaeon structurally-controlled gold mineralisation of the Barberton Greenstone Belt. <i>Precambrian Research</i> , 2016, 285, 10-20.	2.7	38
78	Nanoscale deformation twinning in xenotime, a new shocked mineral, from the Santa Fe impact structure (New Mexico, USA). <i>Geology</i> , 2016, 44, 803-806.	4.4	16
79	Empirical constraints on shock features in monazite using shocked zircon inclusions. <i>Geology</i> , 2016, 44, 635-638.	4.4	38
80	Open-system behaviour of magmatic fluid phase and transport of copper in arc magmas at Krakatau and Batur volcanoes, Indonesia. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 327, 669-686.	2.1	16
81	Earth's oldest mantle fabrics indicate Eoarchaeon subduction. <i>Nature Communications</i> , 2016, 7, 10665.	12.8	39
82	The source of Dalradian detritus in the Buchan Block, NE Scotland: application of new tools to detrital datasets. <i>Journal of the Geological Society</i> , 2016, 173, 773-782.	2.1	11
83	Metallogeny and its link to orogenic style during the Nuna supercontinent cycle. <i>Geological Society Special Publication</i> , 2016, 424, 83-94.	1.3	101
84	Grampian migmatites in the Buchan Block, NE Scotland. <i>Journal of Metamorphic Geology</i> , 2015, 33, 695-709.	3.4	9
85	The structure of and origin of nodular chromite from the Troodos ophiolite, Cyprus, revealed using high-resolution X-ray computed tomography and electron backscatter diffraction. <i>Lithos</i> , 2015, 218-219, 87-98.	1.4	35
86	Deformed monazite yields high-temperature tectonic ages. <i>Geology</i> , 2015, 43, 383-386.	4.4	47
87	A terrestrial perspective on using <i>in situ</i> shocked zircons to date lunar impacts. <i>Geology</i> , 2015, 43, 999-1002.	4.4	80
88	Precambrian reidite discovered in shocked zircon from the Stac Fada impactite, Scotland. <i>Geology</i> , 2015, 43, 899-902.	4.4	47
89	Variation in XANES in biotite as a function of orientation, crystal composition, and metamorphic history. <i>American Mineralogist</i> , 2014, 99, 443-457.	1.9	11
90	Relationship between microstructures and grain-scale trace element distribution in komatiite-hosted magmatic sulphide ores. <i>Lithos</i> , 2014, 184-187, 42-61.	1.4	39

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91	Microstructural evolution and trace element mobility in Witwatersrand pyrite. Contributions To Mineralogy and Petrology, 2013, 166, 1269-1284.	3.1	35
92	Geochronology of Paleoproterozoic Augen Gneisses in the Western Gneiss Region, Norway: Evidence for Sveconorwegian Zircon Neocrystallization and Caledonian Zircon Deformation. Journal of Geology, 2013, 121, 105-128.	1.4	20
93	Mantle deformation during rifting: Constraints from quantitative microstructural analysis of olivine from the East African Rift (Marsabit, Kenya). Tectonophysics, 2013, 608, 1122-1137.	2.2	21
94	Morphology and microstructure of chromite crystals in chromitites from the Merensky Reef (Bushveld Complex, South Africa). Contributions To Mineralogy and Petrology, 2013, 165, 1031-1050.	3.1	61
95	The evolution of the footwall to the Ronda subcontinental mantle peridotites: insights from the Nieves Unit (western Betic Cordillera). Journal of the Geological Society, 2013, 170, 385-402.	2.1	37
96	The effect of grain orientation on secondary ion mass spectrometry (SIMS) analysis of rutile. Chemical Geology, 2012, 300-301, 81-87.	3.3	43
97	Mesoarchaeoan "Palaeoproterozoic stratigraphic record of the Singhbhum crustal province, eastern India: a synthesis. Geological Society Special Publication, 2012, 365, 31-49.	1.3	48
98	Resolution of impact-related microstructures in lunar zircon: A shock deformation mechanism map. Meteoritics and Planetary Science, 2012, 47, 120-141.	1.6	87
99	Inclusion-localised crystal-plasticity, dynamic porosity, and fast-diffusion pathway generation in zircon. Journal of Structural Geology, 2012, 35, 78-89.	2.3	32
100	A distant magmatic source for Cretaceous karst bauxites of Southern Apennines (Italy), revealed through SHRIMP zircon age dating. Terra Nova, 2012, 24, 326-332.	2.1	43
101	Relationship among titanium, rare earth elements, U-Pb ages and deformation microstructures in zircon: Implications for Ti-in-zircon thermometry. Chemical Geology, 2011, 280, 33-46.	3.3	79
102	Evolution of zircon deformation mechanisms in a shear zone (Lanzo massif, Western-Alps). Lithos, 2011, 127, 414-426.	1.4	21
103	Rutile compositions in the Kalgoorlie Goldfields and their implications for exploration. Australian Journal of Earth Sciences, 2011, 58, 803-812.	1.0	22
104	Cretaceous age, composition, and microstructure of pseudotachylyte in the Otago Schist, New Zealand. New Zealand Journal of Geology, and Geophysics, 2010, 53, 15-29.	1.8	8
105	Electron backscatter diffraction analysis and orientation mapping of monazite. Mineralogical Magazine, 2010, 74, 493-506.	1.4	4
106	The IGCP 509 database system: design and application of a tool to capture and illustrate litho- and chrono-stratigraphic information for Palaeoproterozoic tectonic domains, large igneous provinces and ore deposits; with examples from southern Africa. Geological Society Special Publication, 2009, 323, 27-47.	1.3	10
107	Quantitative microstructural characterization of natrojarosite scale formed during high-pressure acid leaching of lateritic nickel ore. American Mineralogist, 2009, 94, 1111-1119.	1.9	9
108	Neoproterozoic reworking of the Palaeoproterozoic Capricorn Orogen of Western Australia and implications for the amalgamation of Rodinia. Geological Society Special Publication, 2009, 327, 445-456.	1.3	12

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109	A review of the geology and geodynamic evolution of the Palaeoproterozoic Earaheedy Basin, Western Australia. <i>Earth-Science Reviews</i> , 2009, 94, 39-77.	9.1	45
110	Deformation-related microstructures in magmatic zircon and implications for diffusion. <i>Contributions To Mineralogy and Petrology</i> , 2009, 157, 231-244.	3.1	49
111	Timing of crystallization of the lunar magma ocean constrained by the oldest zircon. <i>Nature Geoscience</i> , 2009, 2, 133-136.	12.9	189
112	Zircon U-Pb strain chronometry reveals deep impact-triggered flow. <i>Earth and Planetary Science Letters</i> , 2009, 277, 73-79.	4.4	72
113	Trench-parallel fast axes of seismic anisotropy due to fluid-filled cracks in subducting slabs. <i>Earth and Planetary Science Letters</i> , 2009, 283, 75-86.	4.4	99
114	Response of cathodoluminescence to crystal-plastic deformation in zircon. <i>Chemical Geology</i> , 2009, 261, 12-24.	3.3	26
115	Palaeoproterozoic to Eoarchaeon crustal growth in southern Siberia: a Nd-isotope synthesis. <i>Geological Society Special Publication</i> , 2009, 323, 127-143.	1.3	30
116	Palaeoproterozoic supercontinents and global evolution: correlations from core to atmosphere. <i>Geological Society Special Publication</i> , 2009, 323, 1-26.	1.3	87
117	Automated mapping of K-feldspar by electron backscatter diffraction and application to ⁴⁰ Ar/ ³⁹ Ar dating. <i>Journal of Structural Geology</i> , 2008, 30, 1229-1241.	2.3	17
118	Naturally occurring gold nanoparticles and nanoplates. <i>Geology</i> , 2008, 36, 571.	4.4	110
119	Electron backscatter diffraction analysis of zircon: A systematic assessment of match unit characteristics and pattern indexing optimization. <i>American Mineralogist</i> , 2008, 93, 187-197.	1.9	21
120	Ion-probe dating of 1.2Ga collision and crustal architecture in the Namaqua-Natal Province of southern Africa. <i>Precambrian Research</i> , 2007, 158, 79-92.	2.7	85
121	Gold nuggets: supergene or hypogene?. <i>Australian Journal of Earth Sciences</i> , 2007, 54, 959-964.	1.0	71
122	The carbonate tectonic units of northern Calabria (Italy): a record of Apulian palaeomargin evolution and Miocene convergence, continental crust subduction, and exhumation of HP-LT rocks. <i>Journal of the Geological Society</i> , 2007, 164, 1165-1186.	2.1	107
123	Quantitative characterization of plastic deformation of zircon and geological implications. <i>Contributions To Mineralogy and Petrology</i> , 2007, 153, 625-645.	3.1	127
124	Crystal-plastic deformation of zircon: A defect in the assumption of chemical robustness. <i>Geology</i> , 2006, 34, 257.	4.4	122
125	Enhanced diffusion of Uranium and Thorium linked to crystal plasticity in zircon. <i>Geochemical Transactions</i> , 2006, 7, 10.	0.7	72
126	The initiation and development of metamorphic foliation in the Otago Schist, Part 2: evidence from quartz grain-shape data. <i>Journal of Metamorphic Geology</i> , 2005, 23, 443-459.	3.4	8

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127	Constraining kinematic rotation axes in high-strain zones: a potential microstructural method?. Geological Society Special Publication, 2005, 243, 1-10.	1.3	10
128	Deformation in a complex crustal-scale shear zone: Errabiddy Shear Zone, Western Australia. Geological Society Special Publication, 2004, 224, 229-248.	1.3	11
129	Proterozoic cooling and exhumation of the northern central Halls Creek Orogen, Western Australia: constraints from a reconnaissance $^{40}\text{Ar}/^{39}\text{Ar}$ study. Australian Journal of Earth Sciences, 2004, 51, 591-609.	1.0	18
130	Heterogeneous excess argon and Neoproterozoic heating in the Usagaran Orogen, Tanzania, revealed by single grain $^{40}\text{Ar}/^{39}\text{Ar}$ thermochronology. Journal of African Earth Sciences, 2004, 39, 165-176.	2.0	28
131	Temporal constraints on Palaeoproterozoic eclogite formation and exhumation (Usagaran Orogen, Tanzania). <i>Tectonophysics</i> , 2004, 375, 101-123.	2.2	58
132	High-strain zone deformation in the southern Capricorn Orogen, Western Australia: kinematics and age constraints. Precambrian Research, 2004, 128, 295-314.	2.7	14
133	Kinematic reworking and exhumation within the convergent Alpine Orogen. <i>Tectonophysics</i> , 2003, 365, 77-102.	2.2	96
134	Complex high-strain deformation in the Usagaran Orogen, Tanzania: structural setting of Palaeoproterozoic eclogites. <i>Tectonophysics</i> , 2003, 375, 101-123.	2.2	58
135	$^{40}\text{Ar}/^{39}\text{Ar}$ ages in deformed potassium feldspar: evidence of microstructural control on Ar isotope systematics. <i>Contributions To Mineralogy and Petrology</i> , 2001, 141, 186-200.	3.1	45
136	Kinematic linkage between internal zone extension and shortening in more external units in the NW Alps. <i>Journal of the Geological Society</i> , 2001, 158, 439-443.	2.1	49
137	Application of younging tables to the construction of relative deformation histories: Fracture systems. <i>Journal of Structural Geology</i> , 2000, 22, 1473-1490.	2.3	14
138	The effects of deformation-induced microstructures on intragrain $^{40}\text{Ar}/^{39}\text{Ar}$ ages in potassium feldspar. <i>Geology</i> , 1999, 27, 363.	4.4	33
139	The geometry and timing of orogenic extension: an example from the Western Italian Alps. <i>Journal of Metamorphic Geology</i> , 1999, 17, 573-589.	3.4	129
140	Constraining absolute deformation ages: the relationship between deformation mechanisms and isotope systematics. <i>Journal of Structural Geology</i> , 1999, 21, 1255-1265.	2.3	47
141	Construction and systematic assessment of relative deformation histories. <i>Journal of Structural Geology</i> , 1999, 21, 1245-1253.	2.3	31
142	Determination of high spatial resolution argon isotope variations in metamorphic biotites. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 3809-3833.	3.9	45
143	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.	3.1	45
144	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.	3.4	103

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145	Isotopic constraints on the cooling history of the Nanga Parbat-Haramosh Massif and Kohistan arc, western Himalaya. <i>Tectonics</i> , 1995, 14, 237-252.	2.8	28
146	Correlation between melting, deformation and fluid interaction in the continental crust of the High Himalayas, Langtang Valley, Nepal. <i>Terra Nova</i> , 1994, 6, 229-237.	2.1	11
147	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.	4.4	73
148	Thermal history of the Sonnblick Dome, south-east Tauern Window, Austria: Implications for heterogeneous uplift within the Pennine basement. <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , 1993, 82, 667.	1.3	29
149	Structural evolution of the High Himalayan Gneiss sequence, Langtang Valley, Nepal. <i>Geological Society Special Publication</i> , 1993, 74, 375-389.	1.3	40