Peter D Kinny

List of Publications by Year
in descending order

97 papers	15,576 citations	25034 57 h-index	36028 97 g-index
100 all docs	100 docs citations	100 times ranked	5558 citing authors

#	Article	IF	Citations
1	Probing the history of ultraâ€high temperature metamorphism through rare earth element diffusion in zircon. Journal of Metamorphic Geology, 2022, 40, 329-357.	3.4	3
2	Strontium isotope analysis of apatite via SIMS. Chemical Geology, 2021, 559, 119979.	3.3	14
3	Isotopic modelling of Archean crustal evolution from comagmatic zirconâ€“apatite pairs. Earth and Planetary Science Letters, 2021, 575, 117194.	4.4	6
4	The Neoarchean Uyea Gneiss Complex, Shetland: an onshore fragment of the Rae Craton on the European Plate. Journal of the Geological Society, 2019, 176, 847-862.	2.1	9
5	Closed system behaviour of argon in osumilite records protracted highâ€T metamorphism within the Rogalandâ€“Vest Agder Sector, Norway. Journal of Metamorphic Geology, 2019, 37, 667-680.	3.4	11
6	A relic of the Mozambique Ocean in south-east Tanzania. Precambrian Research, 2018, 305, 386-426.	2.7	34
7	Interpreting granulite facies events through rare earth element partitioning arrays. Journal of Metamorphic Geology, 2017, 35, 759-775.	3.4	57
8	Reappraising the Pâ€“T evolution of the Rogalandâ€“Vest Agder Sector, southwestern Norway. Geoscience Frontiers, 2017, 8, 1-14.	8.4	43
9	Evidence from Uâ€“Pb zircon geochronology for early Neoproterozoic (Tonian) reworking of an Archaean inlier in northeastern Shetland, Scottish Caledonides. Journal of the Geological Society, 2017, 174, 217-232.	2.1	10
10	Subduction or sagduction? Ambiguity in constraining the origin of ultramaficâ€“mafic bodies in the Archean crust of NW Scotland. Precambrian Research, 2016, 283, 89-105.	2.7	42
11	Sedimentary provenance and age of metamorphism of the Vestfold Hills, East Antarctica: Evidence for a piece of Chinese Antarctica?. Precambrian Research, 2012, 196-197, 23-45.	2.7	38
12	Depositional age, provenance and metamorphic age of metasedimentary rocks from southern Madagascar. Gondwana Research, 2012, 21, 353-361.	6.0	73
13	Relationship among titanium, rare earth elements, Uâ€“Pb ages and deformation microstructures in zircon: Implications for Ti-in-zircon thermometry. Chemical Geology, 2011, 280, 33-46.	3.3	79
14	A Toba-scale eruption in the Early Miocene: The Semilir eruption, East Java, Indonesia. Lithos, 2011, 126, 198-211.	1.4	5
15	Phase Decomposition upon Alteration of Radiation-Damaged Monaziteâ€“(Ce) from Moss, Ã˜stfold, Norway. Chimia, 2010, 64, 705-711.	0.6	4
16	Three metamorphic events recorded in a single garnet: Integrated phase modelling, in situ LAâ€ICPMS and SIMS geochronology from the Moine Supergroup, NW Scotland. Journal of Metamorphic Geology, 2010, 28, 249-267.	3.4	81
17	The Laxford Shear Zone: an end-Archaean terrane boundary?. Geological Society Special Publication, 2010, 335, 103-120.	1.3	24
18	Progressive fold and fabric evolution associated with regional strain gradients: a case study from across a Scandian ductile thrust nappe, Scottish Caledonides. Geological Society Special Publication, 2010, 335, 255-274.	1.3	27

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19	Palaeoproterozoic terrane assembly in the Lewisian Gneiss Complex on the Scottish mainland, south of Gruinard Bay: SHRIMP Uâ€“Pb zircon evidence. Precambrian Research, 2010, 183, 89-111.	2.7	31
20	Neoproterozoic orogeny along the margin of Rodinia: Valhalla orogen, North Atlantic. Geology, 2010, 38, 99-102.	4.4	199
21	Zircon Uâ€“Thâ€“Pbâ€“He double dating of the Merlin kimberlite field, Northern Territory, Australia. Lithos, 2009, 112, 592-599.	1.4	21
22	SHRIMP Uâ€“Pb age constraints on magmatism and high-grade metamorphism in the Salem Block, southern India. Gondwana Research, 2009, 16, 27-36.	6.0	198
23	Zircons and clay from morainal Permian siltstone at Mt Rymill (73Â°S, 66Â°E), Prince Charles Mountains, Antarctica, reflect the ancestral Gamburtsev Subglacial Mountainsâ€“Vostok Subglacial Highlands complex. Gondwana Research, 2008, 14, 343-354.	6.0	25
24	High-grade Paleoproterozoic reworking in the southeastern Gawler Craton, South Australia â^—. Australian Journal of Earth Sciences, 2008, 55, 1063-1081.	1.0	45
25	Uâ€“Pb zircon dating of basement inliers within the Moine Supergroup, Scottish Caledonides: implications of Archaean protolith ages. Journal of the Geological Society, 2008, 165, 807-815.	2.1	40
26	Dating Prograde Amphibolite and Granulite Facies Metamorphism Using In Situ Monazite Uâ€Pb SHRIMP Analysis. Journal of Geology, 2007, 115, 691-705.	1.4	21
27	The deep crust beneath island arcs: Inherited zircons reveal a Gondwana continental fragment beneath East Java, Indonesia. Earth and Planetary Science Letters, 2007, 258, 269-282.	4.4	169
28	Timing of magmatism and metamorphism in the Gruinard Bay area of the Lewisian Gneiss Complex: comparison with the Assynt Terrane and implications for terrane accretionâ€”reply. Contributions To Mineralogy and Petrology, 2007, 153, 489-492.	3.1	9
29	Crystal-plastic deformation of zircon: A defect in the assumption of chemical robustness. Geology, 2006, 34, 257.	4.4	122
30	Enhanced diffusion of Uranium and Thorium linked to crystal plasticity in zircon. Geochemical Transactions, 2006, 7, 10.	0.7	72
31	Episodic growth of the Gondwana supercontinent from hafnium and oxygen isotopes in zircon. Nature, 2006, 439, 580-583.	27.8	640
32	Mesoproterozoic rifting and Pan-African continental collision in SE India: evidence from the Khariar alkaline complex. Contributions To Mineralogy and Petrology, 2006, 151, 434-456.	3.1	71
33	Bulk chemical control on metamorphic monazite growth in pelitic schists and implications for U-Pb age data. Journal of Metamorphic Geology, 2005, 23, 261-277.	3.4	89
34	Proposal for a terrane-based nomenclature for the Lewisian Gneiss Complex of NW Scotland. Journal of the Geological Society, 2005, 162, 175-186.	2.1	100
35	Discussion on a terrane-based nomenclature for the Lewisian Gneiss Complex of NW Scotland Journal, Vol. 162, 2005, pp. 175â€“186. Journal of the Geological Society, 2005, 162, 893-895.	2.1	9
36	High- granulites and polymetamorphism in the southern Arunta Region, central Australia: Evidence for a 1.64Ga accretional event. Precambrian Research, 2005, 142, 1-27.	2.7	91

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37	Laurentian provenance and an intracratonic tectonic setting for the Moine Supergroup, Scotland, constrained by detrital zircons from the Loch Eil and Glen Urquhart successions. Journal of the Geological Society, 2004, 161, 861-874.	2.1	114
38	The foreland-propagating thrust architecture of the East Greenland Caledonides 72Â°â€“75Â°N. Journal of the Geological Society, 2004, 161, 1009-1026.	2.1	61
39	Timing of magmatism and metamorphism in the Gruinard Bay area of the Lewisian Gneiss Complex: comparisons with the Assynt Terrane and implications for terrane accretion. Contributions To Mineralogy and Petrology, 2004, 146, 620-636.	3.1	62
40	Reconnaissance dating of events recorded in the southern part of the Capricorn Orogen. Precambrian Research, 2004, 128, 279-294.	2.7	19
41	Atlas of Zircon Textures. Reviews in Mineralogy and Geochemistry, 2003, 53, 469-500.	4.8	2,521
42	Geochronology of Neoproterozoic syn-rift magmatism in the Yangtze Craton, South China and correlations with other continents: evidence for a mantle superplume that broke up Rodinia. Precambrian Research, 2003, 122, 85-109.	2.7	1,020
43	Lu-Hf and Sm-Nd isotope systems in zircon. Reviews in Mineralogy and Geochemistry, 2003, 53, 327-341.	4.8	354
44	Uâ€“Pb geochronology of late Neoproterozoic augen granites in the Moine Supergroup, NW Scotland: dating of rift-related, felsic magmatism during supercontinent break-up?. Journal of the Geological Society, 2003, 160, 925-934.	2.1	38
45	Provenance of the Moine Supergroup of NW Scotland: evidence from geochronology of detrital and inherited zircons from (meta)sedimentary rocks, granites and migmatites. Journal of the Geological Society, 2003, 160, 247-257.	2.1	102
46	Uâ€“Pb geochronology of deformed metagranites in central Sutherland, Scotland: evidence for widespread late Silurian metamorphism and ductile deformation of the Moine Supergroup during the Caledonian orogeny. Journal of the Geological Society, 2003, 160, 259-269.	2.1	83
47	12. Lu-Hf and Sm-Nd isotope systems in zircon. , 2003, , 327-342.		22
48	Grenvillian continental collision in south China: New SHRIMP U-Pb zircon results and implications for the configuration of Rodinia. Geology, 2002, 30, 163.	4.4	723
49	Uâ€“Pb zircon geochronology, geochemistry and Nd isotopic study of Neoproterozoic bimodal volcanic rocks in the Kangdian Rift of South China: implications for the initial rifting of Rodinia. Precambrian Research, 2002, 113, 135-154.	2.7	492
50	â©¾3850 Ma BIF and mafic inclusions in the early Archaean Itsaq Gneiss Complex around Akilia, southern West Greenland? The difficulties of precise dating of zircon-free protoliths in migmatites. Precambrian Research, 2002, 117, 185-224.	2.7	53
51	Understanding Mesozoic accretion in Southeast Asia: Significance of Triassic thermotectonism (Indosinian orogeny) in Vietnam. Geology, 2001, 29, 211.	4.4	448
52	A reappraisal of the Lewisian Gneiss Complex: geochronological evidence for its tectonic assembly from disparate terranes in the Proterozoic. Contributions To Mineralogy and Petrology, 2001, 142, 198-218.	3.1	110
53	Uâ€“Pb geochronology of the Fort Augustus granite gneiss: constraints on the timing of Neoproterozoic and Palaeozoic tectonothermal events in the NW Highlands of Scotland. Journal of the Geological Society, 2001, 158, 7-14.	2.1	56
54	Charge contrast imaging of geological materials in the environmental scanning electron microscope. American Mineralogist, 2000, 85, 1784-1794.	1.9	79

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55	Uâ€“Pb geochronology of Neoproterozoic and Caledonian tectonothermal events in the East Greenland Caledonides. Journal of the Geological Society, 2000, 157, 1031-1048.	2.1	100
56	Identifying Accessory Mineral Saturation during Differentiation in Granitoid Magmas: an Integrated Approach. Journal of Petrology, 2000, 41, 1365-1396.	2.8	331
57	Geochronological constraints for a two-stage history of the Albanyâ€“Fraser Orogen, Western Australia. Precambrian Research, 2000, 102, 155-183.	2.7	238
58	The significance of monazite Uâ€“Thâ€“Pb age data in metamorphic assemblages; a combined study of monazite and garnet chronometry. Earth and Planetary Science Letters, 2000, 181, 327-340.	4.4	294
59	Uâ€“Pb geochronology of regional migmatites in East Sutherland, Scotland: evidence for crustal melting during the Caledonian orogeny. Journal of the Geological Society, 1999, 156, 1143-1152.	2.1	98
60	Relationships between magmatism, metamorphism and deformation in the Fraser Complex, Western Australia: Constraints from new SHRIMP Uâ€“Pb zircon geochronology. Australian Journal of Earth Sciences, 1999, 46, 923-932.	1.0	41
61	The Siberian lithosphere traverse: mantle terranes and the assembly of the Siberian Craton. Tectonophysics, 1999, 310, 1-35.	2.2	212
62	The breakup of Rodinia: did it start with a mantle plume beneath South China?. Earth and Planetary Science Letters, 1999, 173, 171-181.	4.4	739
63	Uâ€“Pb ages from the Harts Range, central Australia: evidence for early Ordovician extension and constraints on Carboniferous metamorphism. Journal of the Geological Society, 1999, 156, 715-730.	2.1	75
64	Zircon megacrysts from kimberlite: oxygen isotope variability among mantle melts. Contributions To Mineralogy and Petrology, 1998, 133, 1-11.	3.1	800
65	Timing of gold mineralization in the Mt York district, Pilgangoora greenstone belt, and implications for the tectonic and metamorphic evolution of an area linking the western and eastern Pilbara Craton. Precambrian Research, 1998, 88, 249-265.	2.7	27
66	Lower crustal and possible shallow mantle samples from beneath the Hebrides: evidence from a xenolithic dyke at Gribun, western Mull. Journal of the Geological Society, 1998, 155, 813-828.	2.1	20
67	Late Archean and Early Proterozoic crustal evolution of the Mount Isa block, northwest Queensland, Australia. Geology, 1997, 25, 1095.	4.4	55
68	U-Pb zircon geochronological evidence for Neoproterozoic events in the Glenfinnan Group (Moine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Mineralogy and Petrology, 1997, 128, 101-113.	3.1	90
69	U-Pb isotopic evidence for the accretion of different crustal blocks to form the Lewisian Complex of northwest Scotland. Contributions To Mineralogy and Petrology, 1997, 129, 326-340.	3.1	103
70	Two stages of zircon and monazite growth in anatectic leucogneiss: SHRIMP constraints on the duration and intensity of Pan-African metamorphism in Prydz Bay, East Antarctica. Terra Nova, 1997, 9, 47-51.	2.1	115
71	The Itsaq Gneiss Complex of southern West Greenland; the world's most extensive record of early crustal evolution (3900-3600 Ma). Precambrian Research, 1996, 78, 1-39.	2.7	450
72	Zirconology of the Meeberrie gneiss, Yilgarn Craton, Western Australia: an early Archaean migmatite. Precambrian Research, 1996, 78, 165-178.	2.7	76

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73	Timing of late Archaean terrane assembly, crustal thickening and granite emplacement in the Nuuk region, southern West Greenland. Earth and Planetary Science Letters, 1996, 142, 353-365.	4.4	134
74	Iridescent anthophyllite-gedrite from Simiuttat, Nuuk district, southern West Greenland composition, exsolution, age. Mineralogical Magazine, 1996, 60, 937-947.	1.4	3
75	Applications of the SHRIMP I ion microprobe to the understanding of processes and timing of diamond formation. Economic Geology, 1995, 90, 271-280.	3.8	13
76	New evidence for protolith ages of Lewisian granulites, northwest Scotland. Geology, 1995, 23, 1027.	4.4	102
77	Dating lower crust and upper mantle events: an ion microprobe study of xenoliths from kimberlitic pipes, South Australia. Lithos, 1994, 32, 77-94.	1.4	40
78	Zircon from the Mantle: A New Way to Date Old Diamonds. Journal of Geology, 1994, 102, 475-481.	1.4	50
79	Svecofennian detrital zircon agesâ€"implications for the Precambrian evolution of the Baltic Shield. Precambrian Research, 1993, 64, 109-130.	2.7	148
80	Largeâ€scale crustal structure of the Northwestern Yilgarn Craton, western Australia: Evidence from Nd isotopic data and zircon geochronology. Tectonics, 1993, 12, 971-981.	2.8	59
81	Anatomy of an Early Archean gneiss complex: 3900 to 3600 Ma crustal evolution in southern West Greenland. Geology, 1993, 21, 415.	4.4	104
82	Zircon ages and the distribution of Archaean and Proterozoic rocks in the Rauer Islands. Antarctic Science, 1993, 5, 193-206.	0.9	127
83	The Earth's oldest known crust: A geochronological and geochemical study of 3900â€“4200 Ma old detrital zircons from Mt. Narryer and Jack Hills, Western Australia. Geochimica Et Cosmochimica Acta, 1992, 56, 1281-1300.	3.9	381
84	A mantle metasomatic injection event linked to late Cretaceous kimberlite magmatism. Nature, 1992, 360, 726-728.	27.8	55
85	Rapid production and evolution of late Archaean felsic crust in the Vestfold Block of East Antarctica. Precambrian Research, 1991, 50, 283-310.	2.7	67
86	SHRIMP U-Pb zircon geochronology of the Narryer Gneiss Complex, Western Australia. Precambrian Research, 1991, 52, 275-300.	2.7	105
87	A reconnaissance ion-probe study of hafnium isotopes in zircons. Geochimica Et Cosmochimica Acta, 1991, 55, 849-859.	3.9	132
88	The growth of Early Proterozoic crust: new evidence from Svecofennian detrital zircons. Terra Nova, 1991, 3, 175-178.	2.1	68
89	The difficulties of dating mafic dykes: an Antarctic example. Contributions To Mineralogy and Petrology, 1991, 109, 183-194.	3.1	74
90	The origin of sapphires: Uâ€“Pb dating of zircon inclusions sheds new light. Mineralogical Magazine, 1990, 54, 113-122.	1.4	58

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91	Age constraints on the geological evolution of the Narryer Gneiss Complex, Western Australia. Australian Journal of Earth Sciences, 1990, 37, 51-69.	1.0	147
92	Early archaean zircon ages from orthogneisses and anorthosites at Mount Narryer, Western Australia. Precambrian Research, 1988, 38, 325-341.	2.7	131
93	The age and Pb loss behaviour of zircons from the Isua supracrustal belt as determined by ion microprobe. Earth and Planetary Science Letters, 1986, 80, 71-81.	4.4	165
94	3820 Ma zircons from a tonalitic ArmÃ®soq gneiss in the GodthÃ¥b district of Southern West Greenland. Earth and Planetary Science Letters, 1986, 79, 337-347.	4.4	184
95	The age of (a tiny part of) the Australian continent. Nature, 1985, 317, 559-560.	27.8	28
96	Thermal metamorphism near Willi Willi, New South Wales. Australian Journal of Earth Sciences, 1985, 32, 333-342.	1.0	5
97	Ion microprobe identification of 4,100â€“4,200 Myr-old terrestrial zircons. Nature, 1983, 304, 616-618.	27.8	460