

J Stephen Daly

List of Publications by Year in descending order

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88
papers

3,568
citations

117625

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149698

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104
all docs

104
docs citations

104
times ranked

2103
citing authors

#	ARTICLE	IF	CITATIONS
1	Cenozoic reorganization of fluvial systems in eastern China: Sedimentary provenance of detrital K-feldspar in Taiwan. <i>Chemical Geology</i> , 2022, 592, 120740.	3.3	6
2	Southeastern Tibetan Plateau serves as the dominant sand contributor to the Yangtze River: Evidence from Pb isotopic compositions of detrital K-feldspar. <i>Terra Nova</i> , 2021, 33, 195-207.	2.1	6
3	Formation of the Three Gorges (Yangtze River) no earlier than 10ÂMa. <i>Earth-Science Reviews</i> , 2021, 216, 103601.	9.1	21
4	No connection between the Yangtze and Red rivers since the late Eocene. <i>Marine and Petroleum Geology</i> , 2021, 129, 105115.	3.3	9
5	Meter-Scale Chemical and Isotopic Heterogeneities in the Oceanic Mantle, Leka Ophiolite Complex, Norway. <i>Journal of Petrology</i> , 2021, 62, .	2.8	5
6	Uranium-lead phosphate chronostratigraphy: A proof of concept from the mid-Carboniferous boundary. <i>Sedimentary Geology</i> , 2021, 422, 105961.	2.1	4
7	Assessing mineral fertility and bias in sedimentary provenance studies: examples from the Barents Shelf. <i>Geological Society Special Publication</i> , 2020, 484, 255-274.	1.3	21
8	Diffusion and fluid interaction in Itrongay pegmatite (Madagascar): Evidence from in situ ⁴⁰ Ar/ ³⁹ Ar dating of gem-quality alkali feldspar and U-Pb dating of protogenetic apatite inclusions. <i>Chemical Geology</i> , 2020, 556, 119841.	3.3	8
9	Ultrapotassic magmatism in the heyday of the Variscan Orogeny: the story of the T ^Å ™eb ^Å •Pluton, the largest durbachitic body in the Bohemian Massif. <i>International Journal of Earth Sciences</i> , 2020, 109, 1767-1810.	1.8	30
10	Rapid crystallization of precious-metal-mineralized layers in mafic magmatic systems. <i>Nature Geoscience</i> , 2020, 13, 375-381.	12.9	18
11	Age and Origin of Deep Crustal Meta-igneous Xenoliths from the Scottish Midland Valley: Vestiges of an Early Palaeozoic Arc and ^Å ™Newer Granite ^Å ™ Magmatism. <i>Journal of Petrology</i> , 2019, 60, 1543-1574.	2.8	13
12	The effect of intra-crystal uranium zonation on apatite U-Pb thermochronology: A combined ID-TIMS and LA-MC-ICP-MS study. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 251, 15-35.	3.9	15
13	Practical guidelines and recent advances in the Itrax XRF core-scanning procedure. <i>Quaternary International</i> , 2019, 514, 16-29.	1.5	39
14	Signal-to-noise ratios, instrument parameters and repeatability of Itrax XRF core scan measurements of floodplain sediments. <i>Quaternary International</i> , 2019, 514, 44-54.	1.5	10
15	Multiple intrusive phases in the Leinster Batholith, Ireland: geochronology, isotope geochemistry and constraints on the deformation history. <i>Journal of the Geological Society</i> , 2018, 175, 229-246.	2.1	15
16	Peri-Gondwanan Ordovician arc magmatism in southeastern Ireland and the Isle of Man: Constraints on the timing of Caledonian deformation in Ganderia. <i>Bulletin of the Geological Society of America</i> , 2018, , .	3.3	3
17	Linking In Situ Crystallization and Magma Replenishment via Sill Intrusion in the Rum Western Layered Intrusion, NW Scotland. <i>Journal of Petrology</i> , 2018, 59, 1605-1642.	2.8	18
18	Incremental Construction of the Unit 10 Peridotite, Rum Eastern Layered Intrusion, NW Scotland. <i>Journal of Petrology</i> , 2017, 58, 137-166.	2.8	17

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19	Hf isotope evidence for effective impact melt homogenisation at the Sudbury impact crater, Ontario, Canada. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 215, 317-336.	3.9	7
20	Sedimentary provenance constraints on drainage evolution models for SE Tibet: Evidence from detrital K-feldspar. <i>Geophysical Research Letters</i> , 2017, 44, 4064-4073.	4.0	28
21	Interrogating the provenance of large river systems: multi-proxy <i>in situ</i> analyses in the Millstone Grit, Yorkshire. <i>Journal of the Geological Society</i> , 2017, 174, 75-87.	2.1	27
22	Identification of mantle peridotite as a possible lapetan ophiolite sliver in south Shetland, Scottish Caledonides. <i>Journal of the Geological Society</i> , 2017, 174, 88-92.	2.1	8
23	Provenance of detrital K-feldspar in Jiangnan Basin sheds new light on the Pliocene–Pleistocene evolution of the Yangtze River. <i>Bulletin of the Geological Society of America</i> , 2016, 128, 1339-1351.	3.3	22
24	Cryptic Disc Structures Resembling Ediacaran Discoidal Fossils from the Lower Silurian Hellefjord Schist, Arctic Norway. <i>PLoS ONE</i> , 2016, 11, e0164071.	2.5	7
25	A-type magmatism in a syn-collisional setting: The case of the Pan-African Hook Batholith in Central Zambia. <i>Lithos</i> , 2015, 216-217, 48-72.	1.4	26
26	Generations of Melt Extraction, Melt–Rock Interaction and High-Temperature Metasomatism Preserved in Peridotites of the 1497 Ma Leka Ophiolite Complex, Norway. <i>Journal of Petrology</i> , 2015, 56, 1797-1828.	2.8	35
27	Sedimentary provenance, age and possible correlation of the Iona Group SW Scotland. <i>Scottish Journal of Geology</i> , 2014, 50, 143-158.	0.1	11
28	Pb isotope compositions of detrital K-feldspar grains in the upper–middle Yangtze River system: Implications for sediment provenance and drainage evolution. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 2765-2779.	2.5	33
29	Constraints on the timing of Scandian deformation and the nature of a buried Grampian terrane under the Caledonides of northwestern Ireland. <i>Journal of the Geological Society</i> , 2013, 170, 615-625.	2.1	12
30	Evolution of the Tyrone ophiolite, Northern Ireland, during the Grampian–Taconic orogeny: a correlative of the Annieopsquotch Ophiolite Belt of central Newfoundland?. <i>Journal of the Geological Society</i> , 2013, 170, 861-876.	2.1	26
31	Large-scale, linked drainage systems in the NW European Triassic: insights from the Pb isotopic composition of detrital K-feldspar. <i>Journal of the Geological Society</i> , 2012, 169, 279-295.	2.1	29
32	Parental magma composition of the syntectonic Dawros Peridotite chromitites, NW Connemara, Ireland. <i>Geological Magazine</i> , 2012, 149, 590-605.	1.5	8
33	Chemical heterogeneity in the upper mantle recorded by peridotites and chromitites from the Shetland Ophiolite Complex, Scotland. <i>Earth and Planetary Science Letters</i> , 2012, 333-334, 226-237.	4.4	77
34	In-situ zircon U–Pb, oxygen and hafnium isotopic evidence for magma mixing and mantle metasomatism in the Tuscan Magmatic Province, Italy. <i>Earth and Planetary Science Letters</i> , 2011, 305, 45-56.	4.4	67
35	Age and composition of crystalline basement rocks on the Norwegian continental margin: offshore extension and continuity of the Caledonian–Appalachian orogenic belt. <i>Journal of the Geological Society</i> , 2011, 168, 1167-1185.	2.1	53
36	A Laurentian provenance for the Dalradian rocks of north Mayo, Ireland, and evidence for an original basement–cover contact with the underlying Annagh Gneiss Complex. <i>Journal of the Geological Society</i> , 2010, 167, 1033-1048.	2.1	19

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37	Dalradian Grampian Group affinity for the Bowmore Sandstone Group, Islay, SW Scotland. <i>Scottish Journal of Geology</i> , 2010, 46, 97-111.	0.1	4
38	Timing of ophiolite obduction in the Grampian orogen. <i>Bulletin of the Geological Society of America</i> , 2010, 122, 1787-1799.	3.3	97
39	Zircon texture and chemical composition as a guide to magmatic processes and mixing in a granitic environment and coeval volcanic system. <i>Contributions To Mineralogy and Petrology</i> , 2010, 159, 579-596.	3.1	73
40	Andean sinistral transpression and kinematic partitioning in South Georgia. <i>Journal of Structural Geology</i> , 2010, 32, 464-477.	2.3	22
41	An integrated study of Permo-Triassic basins along the North Atlantic passive margin: implication for future exploration. <i>Petroleum Geology Conference Proceedings</i> , 2010, 7, 921-936.	0.7	18
42	Cr-spinel Seam Petrogenesis in the Rum Layered Suite, NW Scotland: Cumulate Assimilation and in situ Crystallization in a Deforming Crystal Mush. <i>Journal of Petrology</i> , 2010, 51, 1171-1201.	2.8	95
43	Detrital zircon, detrital titanite and igneous clast U-Pb geochronology and basement-cover relationships of the Colonsay Group, SW Scotland: Laurentian provenance and correlation with the Neoproterozoic Dalradian Supergroup. <i>Precambrian Research</i> , 2010, 181, 21-42.	2.7	39
44	Sedimentology, sandstone provenance and palaeodrainage on the eastern Rockall Basin margin: evidence from the Pb isotopic composition of detrital K-feldspar. <i>Petroleum Geology Conference Proceedings</i> , 2010, 7, 937-952.	0.7	23
45	Hidden Archaean and Palaeoproterozoic crust in NW Ireland? Evidence from zircon Hf isotopic data from granitoid intrusions. <i>Geological Magazine</i> , 2009, 146, 903-916.	1.5	24
46	The roles of melt infiltration and cumulate assimilation in the formation of anorthosite and a Cr-spinel seam in the Rum Eastern Layered Intrusion, NW Scotland. <i>Lithos</i> , 2009, 111, 6-20.	1.4	58
47	K-feldspar sand-grain provenance in the Triassic, west of Shetland: distinguishing first-cycle and recycled sediment sources?. <i>Geological Journal</i> , 2009, 44, 692-710.	1.3	40
48	Western Grenville Province holds key to midcontinental Granite-Rhyolite Province enigma. <i>Terra Nova</i> , 2009, 21, 181-187.	2.1	67
49	Rhenium-osmium isotopes and platinum-group elements in the Rum Layered Suite, Scotland: Implications for Cr-spinel seam formation and the composition of the Iceland mantle anomaly. <i>Earth and Planetary Science Letters</i> , 2009, 286, 41-51.	4.4	41
50	The tectonothermal evolution and provenance of the Tyrone Central Inlier, Ireland: Grampian imbrication of an outboard Laurentian microcontinent?. <i>Journal of the Geological Society</i> , 2008, 165, 675-685.	2.1	52
51	Constraints on crustal structure and composition within a continental suture zone in the Irish Caledonides from shear wave wide-angle reflection data and lower crustal xenoliths. <i>Geophysical Journal International</i> , 2008, 175, 1254-1272.	2.4	24
52	Baltica in the Cryogenian, 850-630Ma. <i>Precambrian Research</i> , 2008, 160, 46-65.	2.7	63
53	Basement-cover relationships of the Kalak Nappe Complex, Arctic Norwegian Caledonides and constraints on Neoproterozoic terrane assembly in the North Atlantic region. <i>Precambrian Research</i> , 2008, 160, 245-276.	2.7	73
54	The Finnmarkian Orogeny revisited: An isotopic investigation in eastern Finnmark, Arctic Norway. <i>Tectonophysics</i> , 2008, 460, 158-177.	2.2	39

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55	Insights into granite petrogenesis from quantitative assessment of the field distribution of enclaves, xenoliths and K-feldspar megacrysts in the Monte Capanne pluton, Italy. <i>Mineralogical Magazine</i> , 2008, 72, 925-940.	1.4	22
56	Tectonic evolution of the Arctic Norwegian Caledonides from a texturally- and structurally-constrained multi-isotopic (Ar-Ar, Rb-Sr, Sm-Nd, U-Pb) study. <i>Numerische Mathematik</i> , 2007, 307, 459-526.	1.4	28
57	Drainage reorganization during breakup of Pangea revealed by in-situ Pb isotopic analysis of detrital K-feldspar. <i>Geology</i> , 2007, 35, 971.	4.4	53
58	Provenance and Terrane Evolution of the Kalak Nappe Complex, Norwegian Caledonides: Implications for Neoproterozoic Paleogeography and Tectonics. <i>Journal of Geology</i> , 2007, 115, 21-41.	1.4	128
59	Insights into magmatic evolution and recharge history in Capraia Volcano (Italy) from chemical and isotopic zoning in plagioclase phenocrysts. <i>Journal of Volcanology and Geothermal Research</i> , 2007, 168, 28-54.	2.1	23
60	The Lapland-Kola orogen: Palaeoproterozoic collision and accretion of the northern Fennoscandian lithosphere. <i>Geological Society Memoir</i> , 2006, 32, 579-598.	1.7	128
61	Granitic magmatism of Grenvillian and late Neoproterozoic age in Finnmark, Arctic Norway – Constraining pre-Scandian deformation in the Kalak Nappe Complex. <i>Precambrian Research</i> , 2006, 145, 24-52.	2.7	108
62	The structure and timing of lateral escape during the Scandian Orogeny: A combined strain and geochronological investigation in Finnmark, Arctic Norwegian Caledonides. <i>Tectonophysics</i> , 2006, 425, 159-189.	2.2	36
63	The Use of the Common Pb Isotope Composition of Detrital K-Feldspar Grains as a Provenance Tool and Its Application to Upper Carboniferous Paleodrainage, Northern England. <i>Journal of Sedimentary Research</i> , 2006, 76, 324-345.	1.6	72
64	Grampian and late Grenville events recorded by mineral geochronology near a basement – cover contact in north Mayo, Ireland. <i>Journal of the Geological Society</i> , 2005, 162, 163-174.	2.1	26
65	Early Silurian magmatism and the Scandian evolution of the Kalak Nappe Complex, Finnmark, Arctic Norway. <i>Journal of the Geological Society</i> , 2005, 162, 985-1003.	2.1	36
66	Microchemical and Sr Isotopic Investigation of Zoned K-feldspar Megacrysts: Insights into the Petrogenesis of a Granitic System and Disequilibrium Crystal Growth. <i>Journal of Petrology</i> , 2005, 46, 1689-1724.	2.8	98
67	Pb isotopic zoning of K-feldspar megacrysts determined by Laser Ablation Multi-Collector ICP-MS: Insights into granite petrogenesis. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 1899-1915.	3.9	75
68	Seismic velocities of granulite-facies xenoliths from Central Ireland: Implications for lower crustal composition and anisotropy. <i>Tectonophysics</i> , 2005, 407, 81-99.	2.2	23
69	470 Ma granitoid magmatism associated with the Grampian Orogeny in the Sliswood Division, NW Ireland. <i>Journal of the Geological Society</i> , 2005, 162, 563-575.	2.1	34
70	Petrographic, geochemical and isotopic constraints on magma dynamics and mixing in the Miocene Monte Capanne monzogranite (Elba Island, Italy). <i>Lithos</i> , 2004, 78, 157-195.	1.4	57
71	Grampian orogenesis and the development of blueschist-facies metamorphism in western Ireland. <i>Journal of the Geological Society</i> , 2003, 160, 911-924.	2.1	48
72	Ion microprobe U – Pb zircon geochronology and isotopic evidence for a trans-crustal suture in the Lapland – Kola Orogen, northern Fennoscandian Shield. <i>Precambrian Research</i> , 2001, 105, 289-314.	2.7	106

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73	Age and provenance of early Precambrian metasedimentary rocks in the Lapland-Kola Belt, Russia: evidence from Pb and Nd isotopic data. <i>Terra Nova</i> , 2001, 13, 32-37.	2.1	26
74	Isotopic dating of overthrusting, collapse and related granitoid intrusion in the Grampian orogenic belt, northwestern Ireland. <i>Geological Magazine</i> , 2000, 137, 419-435.	1.5	33
75	Contrasting magmatic arcs in the Palaeoproterozoic of the south-western Baltic Shield. <i>Precambrian Research</i> , 1998, 92, 297-315.	2.7	63
76	The Grenville Orogenic Cycle (ca. 1350-1000 Ma): an Adirondack perspective. <i>Tectonophysics</i> , 1996, 265, 1-28.	2.2	209
77	Turbidites from the Clew Bay Complex, Ireland: provenance based on petrography, geochemistry and crustal residence values. <i>Geological Journal</i> , 1996, 31, 379-388.	1.3	13
78	Sm-Nd evidence for late Archaean crust formation in the Lapland-Kola Mobile Belt, Kola Peninsula, Russia and Norway. <i>Precambrian Research</i> , 1995, 72, 97-107.	2.7	65
79	Sm-Nd and U-Pb Isotopic Evidence of Juvenile Crust in the Adirondack Lowlands and Implications for the Evolution of the Adirondack Mts.. <i>Journal of Geology</i> , 1993, 101, 97-105.	1.4	68
80	Crustal growth in SW Sweden. <i>Gff</i> , 1992, 114, 452-452.	0.4	1
81	A precise U-Pb zircon age for the Inishtrahull syenitic gneiss, County Donegal, Ireland. <i>Journal of the Geological Society</i> , 1991, 148, 639-642.	2.1	43
82	Juvenile Middle Proterozoic crust in the Adirondack Highlands, Grenville province, northeastern North America. <i>Geology</i> , 1991, 19, 119.	4.4	111
83	Geochronological evidence from discordant plutons for a late Proterozoic orogen in the Caledonides of Finnmark, northern Norway. <i>Journal of the Geological Society</i> , 1991, 148, 29-40.	2.1	78
84	Age, tectonic setting and provenance of Å-stfold-Marstrand Belt Supracrustals: Westward crustal growth of the Baltic Shield at 1760 Ma. <i>Precambrian Research</i> , 1989, 45, 45-61.	2.7	56
85	Late Proterozoic High-pressure granulite facies meta-morphism in the north-east Ox inlier, north-west Ireland. <i>Journal of Metamorphic Geology</i> , 1987, 5, 69-85.	3.4	47
86	Rb-Sr isotopic equilibrium during Sveconorwegian (= Grenville) deformation and metamorphism of the Orust dykes, S.W. Sweden. <i>Lithos</i> , 1983, 16, 307-318.	1.4	22
87	Age relations of Sveconorwegian granitoid rocks in the Stora Le-Marstrand belt, Orust area, Sweden. <i>Gff</i> , 1982, 104, 11-16.	0.4	6
88	Rb-Sr ages of intrusive plutonic rocks from the Stora Le-Marstrand belt in Orust, SW Sweden. <i>Precambrian Research</i> , 1979, 9, 189-198.	2.7	16