J Stephen Daly

List of Publications by Year
in descending order

88 papers	3,568 citations	117625 34 h-index	149698 56 g-index
104 all docs	104 docs citations	104 times ranked	2103 citing authors

#	Article	IF	Citations
1	The Grenville Orogenic Cycle (ca. 1350-1000 Ma): an Adirondack perspective. Tectonophysics, 1996, 265, 1-28.	2.2	209
2	The Lapland-Kola orogen: Palaeoproterozoic collision and accretion of the northern Fennoscandian lithosphere. Geological Society Memoir, 2006, 32, 579-598.	1.7	128
3	Provenance and Terrane Evolution of the Kalak Nappe Complex, Norwegian Caledonides: Implications for Neoproterozoic Paleogeography and Tectonics. Journal of Geology, 2007, 115, 21-41.	1.4	128
4	Juvenile Middle Proterozoic crust in the Adirondack Highlands, Grenville province, northeastern North America. Geology, 1991, 19, 119.	4.4	111
5	Granitic magmatism of Grenvillian and late Neoproterozoic age in Finnmark, Arctic Norwayâ€"Constraining pre-Scandian deformation in the Kalak Nappe Complex. Precambrian Research, 2006, 145, 24-52.	2.7	108
6	Ion microprobe Uî—¸Pb zircon geochronology and isotopic evidence for a trans-crustal suture in the Laplandâ€"Kola Orogen, northern Fennoscandian Shield. Precambrian Research, 2001, 105, 289-314.	2.7	106
7	Microchemical and Sr Isotopic Investigation of Zoned K-feldspar Megacrysts: Insights into the Petrogenesis of a Granitic System and Disequilibrium Crystal Growth. Journal of Petrology, 2005, 46, 1689-1724.	2.8	98
8	Timing of ophiolite obduction in the Grampian orogen. Bulletin of the Geological Society of America, 2010, 122, 1787-1799.	3.3	97
9	Cr-spinel Seam Petrogenesis in the Rum Layered Suite, NW Scotland: Cumulate Assimilation and in situ Crystallization in a Deforming Crystal Mush. Journal of Petrology, 2010, 51, 1171-1201.	2.8	95
10	Geochronological evidence from discordant plutons for a late Proterozoic orogen in the Caledonides of Finnmark, northern Norway. Journal of the Geological Society, 1991, 148, 29-40.	2.1	78
11	Chemical heterogeneity in the upper mantle recorded by peridotites and chromitites from the Shetland Ophiolite Complex, Scotland. Earth and Planetary Science Letters, 2012, 333-334, 226-237.	4.4	77
12	Pb isotopic zoning of K-feldspar megacrysts determined by Laser Ablation Multi-Collector ICP-MS: Insights into granite petrogenesis. Geochimica Et Cosmochimica Acta, 2005, 69, 1899-1915.	3.9	75
13	Basementâ€"cover relationships of the Kalak Nappe Complex, Arctic Norwegian Caledonides and constraints on Neoproterozoic terrane assembly in the North Atlantic region. Precambrian Research, 2008, 160, 245-276.	2.7	73
14	Zircon texture and chemical composition as a guide to magmatic processes and mixing in a granitic environment and coeval volcanic system. Contributions To Mineralogy and Petrology, 2010, 159, 579-596.	3.1	73
15	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. Journal of Sedimentary Research, 2006, 76, 324-345.	1.6	72
16	Sm-Nd and U-Pb Isotopic Evidence of Juvenile Crust in the Adirondack Lowlands and Implications for the Evolution of the Adirondack Mts.. Journal of Geology, 1993, 101, 97-105.	1.4	68
17	Western Grenville Province holds key to midcontinental Graniteâ€Rhyolite Province enigma. Terra Nova, 2009, 21, 181-187.	2.1	67
18	In-situ zircon Uâ€"Pb, oxygen and hafnium isotopic evidence for magma mixing and mantle metasomatism in the Tuscan Magmatic Province, Italy. Earth and Planetary Science Letters, 2011, 305, 45-56.	4.4	67

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19	Smî—¸Nd evidence for late Archaean crust formation in the Lapland-Kola Mobile Belt, Kola Peninsula, Russia and Norway. Precambrian Research, 1995, 72, 97-107.	2.7	65
20	Contrasting magmatic arcs in the Palaeoproterozoic of the south-western Baltic Shield. Precambrian Research, 1998, 92, 297-315.	2.7	63
21	Baltica in the Cryogenian, 850â€“630Ma. Precambrian Research, 2008, 160, 46-65.	2.7	63
22	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. Lithos, 2009, 111, 6-20.	1.4	58
23	Petrographic, geochemical and isotopic constraints on magma dynamics and mixing in the Miocene Monte Capanne monzogranite (Elba Island, Italy). Lithos, 2004, 78, 157-195.	1.4	57
24	Age, tectonic setting and provenance of Ã–stfold-Marstrand Belt Supracrustals: Westward crustal growth of the Baltic Shield at 1760 Ma. Precambrian Research, 1989, 45, 45-61.	2.7	56
25	Drainage reorganization during breakup of Pangea revealed by in-situ Pb isotopic analysis of detrital K-feldspar. Geology, 2007, 35, 971.	4.4	53
26	Age and composition of crystalline basement rocks on the Norwegian continental margin: offshore extension and continuity of the Caledonianâ€“Appalachian orogenic belt. Journal of the Geological Society, 2011, 168, 1167-1185.	2.1	53
27	The tectonothermal evolution and provenance of the Tyrone Central Inlier, Ireland: Grampian imbrication of an outboard Laurentian microcontinent?. Journal of the Geological Society, 2008, 165, 675-685.	2.1	52
28	Grampian orogenesis and the development of blueschist-facies metamorphism in western Ireland. Journal of the Geological Society, 2003, 160, 911-924.	2.1	48
29	Late Proterozoic High-pressure granulite facies meta-morphism in the north-east Ox inlier, north-west Ireland. Journal of Metamorphic Geology, 1987, 5, 69-85.	3.4	47
30	A precise U-Pb zircon age for the Inishtrahull syenitic gneiss, County Donegal, Ireland. Journal of the Geological Society, 1991, 148, 639-642.	2.1	43
31	Rheniumâ€“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. Earth and Planetary Science Letters, 2009, 286, 41-51.	4.4	41
32	Kâ€feldspar sandâ€grain provenance in the Triassic, west of Shetland: distinguishing firstâ€cycle and recycled sediment sources?. Geological Journal, 2009, 44, 692-710.	1.3	40
33	The Finnmarkian Orogeny revisited: An isotopic investigation in eastern Finnmark, Arctic Norway. Tectonophysics, 2008, 460, 158-177.	2.2	39
34	Detrital zircon, detrital titanite and igneous clast Uâ€“Pb geochronology and basementâ€“cover relationships of the Colonsay Group, SW Scotland: Laurentian provenance and correlation with the Neoproterozoic Dalradian Supergroup. Precambrian Research, 2010, 181, 21-42.	2.7	39
35	Practical guidelines and recent advances in the Itrax XRF core-scanning procedure. Quaternary International, 2019, 514, 16-29.	1.5	39
36	Early Silurian magmatism and the Scandian evolution of the Kalak Nappe Complex, Finnmark, Arctic Norway. Journal of the Geological Society, 2005, 162, 985-1003.	2.1	36

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37	The structure and timing of lateral escape during the Scandian Orogeny: A combined strain and geochronological investigation in Finnmark, Arctic Norwegian Caledonides. Tectonophysics, 2006, 425, 159-189.	2.2	36
38	Generations of Melt Extraction, Meltâ€“Rock Interaction and High-Temperature Metasomatism Preserved in Peridotites of the â^¼497 Ma Leka Ophiolite Complex, Norway. Journal of Petrology, 2015, 56, 1797-1828.	2.8	35
39	470 Ma granitoid magmatism associated with the Grampian Orogeny in the Slishwood Division, NW Ireland. Journal of the Geological Society, 2005, 162, 563-575.	2.1	34
40	Isotopic dating of overthrusting, collapse and related granitoid intrusion in the Grampian orogenic belt, northwestern Ireland. Geological Magazine, 2000, 137, 419-435.	1.5	33
41	Pb isotope compositions of detrital Kâ€feldspar grains in the upperâ€middle Yangtze River system: Implications for sediment provenance and drainage evolution. Geochemistry, Geophysics, Geosystems, 2014, 15, 2765-2779.	2.5	33
42	Ultrapotassic magmatism in the heyday of the Variscan Orogeny: the story of the TÅ™ebÃ•Pluton, the largest durbachitic body in the Bohemian Massif. International Journal of Earth Sciences, 2020, 109, 1767-1810.	1.8	30
43	Large-scale, linked drainage systems in the NW European Triassic: insights from the Pb isotopic composition of detrital K-feldspar. Journal of the Geological Society, 2012, 169, 279-295.	2.1	29
44	Tectonic evolution of the Arctic Norwegian Caledonides from a texturally- and structurally-constrained multi-isotopic (Ar-Ar, Rb-Sr, Sm-Nd, U-Pb) study. Numerische Mathematik, 2007, 307, 459-526.	1.4	28
45	Sedimentary provenance constraints on drainage evolution models for SE Tibet: Evidence from detrital Kâ€feldspar. Geophysical Research Letters, 2017, 44, 4064-4073.	4.0	28
46	Interrogating the provenance of large river systems: multi-proxy in situ analyses in the Millstone Grit, Yorkshire. Journal of the Geological Society, 2017, 174, 75-87.	2.1	27
47	Age and provenance of early Precambrian metasedimentary rocks in the Lapland-Kola Belt, Russia: evidence from Pb and Nd isotopic data. Terra Nova, 2001, 13, 32-37.	2.1	26
48	Grampian and late Grenville events recorded by mineral geochronology near a basementâ€“cover contact in north Mayo, Ireland. Journal of the Geological Society, 2005, 162, 163-174.	2.1	26
49	Evolution of the Tyrone ophiolite, Northern Ireland, during the Grampianâ€“Taconic orogeny: a correlative of the Annieopsquotch Ophiolite Belt of central Newfoundland?. Journal of the Geological Society, 2013, 170, 861-876.	2.1	26
50	A-type magmatism in a syn-collisional setting: The case of the Pan-African Hook Batholith in Central Zambia. Lithos, 2015, 216-217, 48-72.	1.4	26
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. Geophysical Journal International, 2008, 175, 1254-1272.	2.4	24
52	Hidden Archaean and Palaeoproterozoic crust in NW Ireland? Evidence from zircon Hf isotopic data from granitoid intrusions. Geological Magazine, 2009, 146, 903-916.	1.5	24
53	Seismic velocities of granulite-facies xenoliths from Central Ireland: Implications for lower crustal composition and anisotropy. Tectonophysics, 2005, 407, 81-99.	2.2	23
54	Insights into magmatic evolution and recharge history in Capraia Volcano (Italy) from chemical and isotopic zoning in plagioclase phenocrysts. Journal of Volcanology and Geothermal Research, 2007, 168, 28-54.	2.1	23

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55	Sedimentology, sandstone provenance and palaeodrainage on the eastern Rockall Basin margin: evidence from the Pb isotopic composition of detrital K-feldspar. Petroleum Geology Conference Proceedings, 2010, 7, 937-952.	0.7	23
56	Rbî—¸Sr isotopic equilibrium during Sveconorwegian (= Grenville) deformation and metamorphism of the Orust dykes, S.W. Sweden. Lithos, 1983, 16, 307-318.	1.4	22
57	Insights into granite petrogenesis from quantitative assessment of the field distribution of enclaves, xenoliths and K-feldspar megacrysts in the Monte Capanne pluton, Italy. Mineralogical Magazine, 2008, 72, 925-940.	1.4	22
58	Andean sinistral transpression and kinematic partitioning in South Georgia. Journal of Structural Geology, 2010, 32, 464-477.	2.3	22
59	Provenance of detrital K-feldspar in Jianghan Basin sheds new light on the Plioceneâ€“Pleistocene evolution of the Yangtze River. Bulletin of the Geological Society of America, 2016, 128, 1339-1351.	3.3	22
60	Assessing mineral fertility and bias in sedimentary provenance studies: examples from the Barents Shelf. Geological Society Special Publication, 2020, 484, 255-274.	1.3	21
61	Formation of the Three Gorges (Yangtze River) no earlier than 10ÂMa. Earth-Science Reviews, 2021, 216, 103601.	9.1	21
62	A Laurentian provenance for the Dalradian rocks of north Mayo, Ireland, and evidence for an original basementâ€“cover contact with the underlying Annagh Gneiss Complex. Journal of the Geological Society, 2010, 167, 1033-1048.	2.1	19
63	An integrated study of Permo-Triassic basins along the North Atlantic passive margin: implication for future exploration. Petroleum Geology Conference Proceedings, 2010, 7, 921-936.	0.7	18
64	Linking In Situ Crystallization and Magma Replenishment via Sill Intrusion in the Rum Western Layered Intrusion, NW Scotland. Journal of Petrology, 2018, 59, 1605-1642.	2.8	18
65	Rapid crystallization of precious-metal-mineralized layers in mafic magmatic systems. Nature Geoscience, 2020, 13, 375-381.	12.9	18
66	Incremental Construction of the Unit 10 Peridotite, Rum Eastern Layered Intrusion, NW Scotland. Journal of Petrology, 2017, 58, 137-166.	2.8	17
67	Rb-Sr ages of intrusive plutonic rocks from the Stora Leâ€”Marstrand belt in Orust, SW Sweden. Precambrian Research, 1979, 9, 189-198.	2.7	16
68	Multiple intrusive phases in the Leinster Batholith, Ireland: geochronology, isotope geochemistry and constraints on the deformation history. Journal of the Geological Society, 2018, 175, 229-246.	2.1	15
69	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
70	Turbidites from the Clew Bay Complex, Ireland: provenance based on petrography, geochemistry and crustal residence values. Geological Journal, 1996, 31, 379-388.	1.3	13
71	Age and Origin of Deep Crustal Meta-igneous Xenoliths from the Scottish Midland Valley: Vestiges of an Early Palaeozoic Arc and â€˜Newer Graniteâ€™ Magmatism. Journal of Petrology, 2019, 60, 1543-1574.	2.8	13
72	Constraints on the timing of Scandian deformation and the nature of a buried Grampian terrane under the Caledonides of northwestern Ireland. Journal of the Geological Society, 2013, 170, 615-625.	2.1	12

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73	Sedimentary provenance, age and possible correlation of the Iona Group SW Scotland. Scottish Journal of Geology, 2014, 50, 143-158.	0.1	11
74	Signal-to-noise ratios, instrument parameters and repeatability of Itrax XRF core scan measurements of floodplain sediments. Quaternary International, 2019, 514, 44-54.	1.5	10
75	No connection between the Yangtze and Red rivers since the late Eocene. Marine and Petroleum Geology, 2021, 129, 105115.	3.3	9
76	Parental magma composition of the syntectonic Dawros Peridotite chromitites, NW Connemara, Ireland. Geological Magazine, 2012, 149, 590-605.	1.5	8
77	Identification of mantle peridotite as a possible Iapetan ophiolite sliver in south Shetland, Scottish Caledonides. Journal of the Geological Society, 2017, 174, 88-92.	2.1	8
78	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
79	Hf isotope evidence for effective impact melt homogenisation at the Sudbury impact crater, Ontario, Canada. Geochimica Et Cosmochimica Acta, 2017, 215, 317-336.	3.9	7
80	Cryptic Disc Structures Resembling Ediacaran Discoidal Fossils from the Lower Silurian Hellefjord Schist, Arctic Norway. PLoS ONE, 2016, 11, e0164071.	2.5	7
81	Age relations of Sveconorwegian granitoid rocks in the Stora Le-Marstrand belt, Orust area, Sweden. Gff, 1982, 104, 11-16.	0.4	6
82	Southeastern Tibetan Plateau serves as the dominant sand contributor to the Yangtze River: Evidence from Pb isotopic compositions of detrital Kâ€feldspar. Terra Nova, 2021, 33, 195-207.	2.1	6
83	Cenozoic reorganization of fluvial systems in eastern China: Sedimentary provenance of detrital K-feldspar in Taiwan. Chemical Geology, 2022, 592, 120740.	3.3	6
84	Meter-Scale Chemical and Isotopic Heterogeneities in the Oceanic Mantle, Leka Ophiolite Complex, Norway. Journal of Petrology, 2021, 62, .	2.8	5
85	Dalradian Grampian Group affinity for the Bowmore Sandstone Group, Islay, SW Scotland. Scottish Journal of Geology, 2010, 46, 97-111.	0.1	4
86	Uraniumâ€"lead phosphate chronostratigraphy: A proof of concept from the mid-Carboniferous boundary. Sedimentary Geology, 2021, 422, 105961.	2.1	4
87	Peri-Gondwanan Ordovician arc magmatism in southeastern Ireland and the Isle of Man: Constraints on the timing of Caledonian deformation in Ganderia. Bulletin of the Geological Society of America, 2018, , .	3.3	3
88	Crustal growth in SW Sweden. Gff, 1992, 114, 452-452.	0.4	1