

# J Stephen Daly

## List of Publications by Citations

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89  
papers

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h-index

51  
g-index

104  
ext. papers

3,211  
ext. citations

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avg, IF

5  
L-index

#	Paper	IF	Citations
89	The Grenville Orogenic Cycle (ca. 1350-1000 Ma): an Adirondack perspective. <i>Tectonophysics</i> , <b>1996</b> , 265, 1-28	3.1	182
88	Provenance and Terrane Evolution of the Kalak Nappe Complex, Norwegian Caledonides: Implications for Neoproterozoic Paleogeography and Tectonics. <i>Journal of Geology</i> , <b>2007</b> , 115, 21-41	2	113
87	The Lapland-Kola orogen: Palaeoproterozoic collision and accretion of the northern Fennoscandian lithosphere. <i>Geological Society Memoir</i> , <b>2006</b> , 32, 579-598	0.4	100
86	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> , <b>2001</b> , 105, 289-314	3.9	95
85	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> , <b>2006</b> , 145, 24-52	3.9	94
84	Juvenile Middle Proterozoic crust in the Adirondack Highlands, Grenville province, northeastern North America. <i>Geology</i> , <b>1991</b> , 19, 119	5	86
83	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> , <b>2010</b> , 51, 1171-1201	3.9	82
82	Timing of ophiolite obduction in the Grampian orogen. <i>Bulletin of the Geological Society of America</i> , <b>2010</b> , 122, 1787-1799	3.9	80
81	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> , <b>2005</b> , 46, 1689-1724	3.9	76
80	Geochronological evidence from discordant plutons for a late Proterozoic orogen in the Caledonides of Finnmark, northern Norway. <i>Journal of the Geological Society</i> , <b>1991</b> , 148, 29-40	2.7	71
79	Chemical heterogeneity in the upper mantle recorded by peridotites and chromitites from the Shetland Ophiolite Complex, Scotland. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 333-334, 226-237	5.3	67
78	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> , <b>2010</b> , 159, 579-596	3.5	65
77	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> , <b>2008</b> , 160, 245-276	3.9	64
76	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> , <b>2005</b> , 69, 1899-1915	5.5	62
75	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> , <b>1993</b> , 101, 97-105	2	62
74	Western Grenville Province holds key to midcontinental Granite-Rhyolite Province enigma. <i>Terra Nova</i> , <b>2009</b> , 21, 181-187	3	60
73	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> , <b>2006</b> , 76, 324-345	2.1	58

72	Sm?Nd evidence for late Archaean crust formation in the Lapland-Kola Mobile Belt, Kola Peninsula, Russia and Norway. <i>Precambrian Research</i> , <b>1995</b> , 72, 97-107	3.9	57
71	Age, tectonic setting and provenance of Ætfold-Marstrand Belt Supracrustals: Westward crustal growth of the Baltic Shield at 1760 Ma. <i>Precambrian Research</i> , <b>1989</b> , 45, 45-61	3.9	54
70	In-situ zircon U <sup>Pb</sup> , oxygen and hafnium isotopic evidence for magma mixing and mantle metasomatism in the Tuscan Magmatic Province, Italy. <i>Earth and Planetary Science Letters</i> , <b>2011</b> , 305, 45-56	5.3	53
69	Contrasting magmatic arcs in the Palaeoproterozoic of the south-western Baltic Shield. <i>Precambrian Research</i> , <b>1998</b> , 92, 297-315	3.9	53
68	Baltica in the Cryogenian, 850-830Ma. <i>Precambrian Research</i> , <b>2008</b> , 160, 46-65	3.9	53
67	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> , <b>2011</b> , 168, 1167-1185	2.7	45
66	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> , <b>2008</b> , 165, 675-685	2.7	45
65	Grampian orogenesis and the development of blueschist-facies metamorphism in western Ireland. <i>Journal of the Geological Society</i> , <b>2003</b> , 160, 911-924	2.7	45
64	Petrographic, geochemical and isotopic constraints on magma dynamics and mixing in the Miocene Monte Capanne monzogranite (Elba Island, Italy). <i>Lithos</i> , <b>2004</b> , 78, 157-195	2.9	44
63	Late Proterozoic High-pressure granulite facies meta-morphism in the north-east Ox inlier, north-west Ireland. <i>Journal of Metamorphic Geology</i> , <b>1987</b> , 5, 69-85	4.4	44
62	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> , <b>2009</b> , 111, 6-20	2.9	42
61	Drainage reorganization during breakup of Pangea revealed by in-situ Pb isotopic analysis of detrital K-feldspar. <i>Geology</i> , <b>2007</b> , 35, 971	5	40
60	A precise U-Pb zircon age for the Inishtrahull syenitic gneiss, County Donegal, Ireland. <i>Journal of the Geological Society</i> , <b>1991</b> , 148, 639-642	2.7	40
59	Rhenium-ösmium 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> , <b>2009</b> , 286, 41-51	5.3	38
58	Detrital zircon, detrital titanite and igneous clast U <sup>Pb</sup> geochronology and basement-cover relationships of the Colonsay Group, SW Scotland: Laurentian provenance and correlation with the Neoproterozoic Dalradian Supergroup. <i>Precambrian Research</i> , <b>2010</b> , 181, 21-42	3.9	35
57	K-feldspar sand-grain provenance in the Triassic, west of Shetland: distinguishing first-cycle and recycled sediment sources?. <i>Geological Journal</i> , <b>2009</b> , 44, 692-710	1.7	33
56	470 Ma granitoid magmatism associated with the Grampian Orogeny in the Slishwood Division, NW Ireland. <i>Journal of the Geological Society</i> , <b>2005</b> , 162, 563-575	2.7	33
55	The Finnmarkian Orogeny revisited: An isotopic investigation in eastern Finnmark, Arctic Norway. <i>Tectonophysics</i> , <b>2008</b> , 460, 158-177	3.1	32

54	Early Silurian magmatism and the Scandian evolution of the Kalak Nappe Complex, Finnmark, Arctic Norway. <i>Journal of the Geological Society</i> , <b>2005</b> , 162, 985-1003	2.7	30
53	Generations of Melt Extraction, Melt-Rock Interaction and High-Temperature Metasomatism Preserved in Peridotites of the ~497 Ma Leka Ophiolite Complex, Norway. <i>Journal of Petrology</i> , <b>2015</b> , 56, 1797-1828	3.9	29
52	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> , <b>2012</b> , 169, 279-295	2.7	28
51	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> , <b>2006</b> , 425, 159-189	3.1	28
50	Grampian and late Grenville events recorded by mineral geochronology near a basement-over contact in north Mayo, Ireland. <i>Journal of the Geological Society</i> , <b>2005</b> , 162, 163-174	2.7	26
49	Isotopic dating of overthrusting, collapse and related granitoid intrusion in the Grampian orogenic belt, northwestern Ireland. <i>Geological Magazine</i> , <b>2000</b> , 137, 419-435	2	26
48	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> , <b>2014</b> , 15, 2765-2779	3.6	25
47	Evolution of the Tyrone ophiolite, Northern Ireland, during the Grampian-Appalachian orogeny: a correlative of the Annieopsquotch Ophiolite Belt of central Newfoundland?. <i>Journal of the Geological Society</i> , <b>2013</b> , 170, 861-876	2.7	23
46	Hidden Archaean and Palaeoproterozoic crust in NW Ireland? Evidence from zircon Hf isotopic data from granitoid intrusions. <i>Geological Magazine</i> , <b>2009</b> , 146, 903-916	2	23
45	Interrogating the provenance of large river systems: multi-proxy in situ analyses in the Millstone Grit, Yorkshire. <i>Journal of the Geological Society</i> , <b>2017</b> , 174, 75-87	2.7	22
44	A-type magmatism in a syn-collisional setting: The case of the Pan-African Hook Batholith in Central Zambia. <i>Lithos</i> , <b>2015</b> , 216-217, 48-72	2.9	22
43	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> , <b>2008</b> , 175, 1254-1272	2.6	22
42	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> , <b>2007</b> , 168, 28-54	2.8	22
41	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> , <b>2001</b> , 13, 32-37	3	22
40	Sedimentary provenance constraints on drainage evolution models for SE Tibet: Evidence from detrital K-feldspar. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4064-4073	4.9	21
39	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> , <b>2010</b> , 7, 937-952		21
38	Seismic velocities of granulite-facies xenoliths from Central Ireland: Implications for lower crustal composition and anisotropy. <i>Tectonophysics</i> , <b>2005</b> , 407, 81-99	3.1	21
37	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> , <b>2007</b> , 307, 459-526	5.3	20

36	Andean sinistral transpression and kinematic partitioning in South Georgia. <i>Journal of Structural Geology</i> , <b>2010</b> , 32, 464-477	3	19
35	Rb/Sr isotopic equilibrium during Sveconorwegian (= Grenville) deformation and metamorphism of the Orust dykes, S.W. Sweden. <i>Lithos</i> , <b>1983</b> , 16, 307-318	2.9	19
34	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> , <b>2010</b> , 167, 1033-1048	2.7	17
33	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> , <b>2016</b> , 128, 1339-1351	3.9	17
32	An integrated study of Permo-Triassic basins along the North Atlantic passive margin: implication for future exploration. <i>Petroleum Geology Conference Proceedings</i> , <b>2010</b> , 7, 921-936		16
31	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> , <b>2008</b> , 72, 925-940	1.7	16
30	Ultrapotassic magmatism in the heyday of the Variscan Orogeny: the story of the Třebíč Pluton, the largest durbachitic body in the Bohemian Massif. <i>International Journal of Earth Sciences</i> , <b>2020</b> , 109, 1767-1810	2.3	15
29	Rb-Sr ages of intrusive plutonic rocks from the Stora LeMarstrand belt in Orust, SW Sweden. <i>Precambrian Research</i> , <b>1979</b> , 9, 189-198	3.9	15
28	Practical guidelines and recent advances in the Itrax XRF core-scanning procedure. <i>Quaternary International</i> , <b>2019</b> , 514, 16-29	2	14
27	Linking In Situ Crystallization and Magma Replenishment via Sill Intrusion in the Rum Western Layered Intrusion, NW Scotland. <i>Journal of Petrology</i> , <b>2018</b> , 59, 1605-1642	3.9	13
26	Assessing mineral fertility and bias in sedimentary provenance studies: examples from the Barents Shelf. <i>Geological Society Special Publication</i> , <b>2020</b> , 484, 255-274	1.7	13
25	Incremental Construction of the Unit 10 Peridotite, Rum Eastern Layered Intrusion, NW Scotland. <i>Journal of Petrology</i> , <b>2017</b> , 58, 137-166	3.9	12
24	Turbidites from the Clew Bay Complex, Ireland: provenance based on petrography, geochemistry and crustal residence values. <i>Geological Journal</i> , <b>1996</b> , 31, 379-388	1.7	12
23	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> , <b>2019</b> , 251, 15-35	5.5	11
22	Sedimentary provenance, age and possible correlation of the Iona Group SW Scotland. <i>Scottish Journal of Geology</i> , <b>2014</b> , 50, 143-158	1.4	11
21	Rapid crystallization of precious-metal-mineralized layers in mafic magmatic systems. <i>Nature Geoscience</i> , <b>2020</b> , 13, 375-381	18.3	11
20	Age and Origin of Deep Crustal Meta-igneous Xenoliths from the Scottish Midland Valley: Vestiges of an Early Palaeozoic Arc and Newer Granite Magmatism. <i>Journal of Petrology</i> , <b>2019</b> , 60, 1543-1574	3.9	9
19	Multiple intrusive phases in the Leinster Batholith, Ireland: geochronology, isotope geochemistry and constraints on the deformation history. <i>Journal of the Geological Society</i> , <b>2018</b> , 175, 229-246	2.7	9

18	Diffusion and fluid interaction in Itrongay pegmatite (Madagascar): Evidence from in situ $^{40}\text{Ar}/^{39}\text{Ar}$ dating of gem-quality alkali feldspar and U Pb dating of protogenetic apatite inclusions. <i>Chemical Geology</i> , <b>2020</b> , 556, 119841	4.2	7
17	Identification of mantle peridotite as a possible Iapetan ophiolite sliver in south Shetland, Scottish Caledonides. <i>Journal of the Geological Society</i> , <b>2017</b> , 174, 88-92	2.7	7
16	Parental magma composition of the syntectonic Dawros Peridotite chromitites, NW Connemara, Ireland. <i>Geological Magazine</i> , <b>2012</b> , 149, 590-605	2	7
15	Signal-to-noise ratios, instrument parameters and repeatability of Itrax XRF core scan measurements of floodplain sediments. <i>Quaternary International</i> , <b>2019</b> , 514, 44-54	2	7
14	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> , <b>2013</b> , 170, 615-625	2.7	6
13	Age relations of Sveconorwegian granitoid rocks in the Stora Le-Marstrand belt, Orust area, Sweden. <i>Gff</i> , <b>1982</b> , 104, 11-16		6
12	Cryptic Disc Structures Resembling Ediacaran Discoidal Fossils from the Lower Silurian Hellefjord Schist, Arctic Norway. <i>PLoS ONE</i> , <b>2016</b> , 11, e0164071	3.7	6
11	Formation of the Three Gorges (Yangtze River) no earlier than 10 Ma. <i>Earth-Science Reviews</i> , <b>2021</b> , 216, 103601	10.2	6
10	Dalradian Grampian Group affinity for the Bowmore Sandstone Group, Islay, SW Scotland. <i>Scottish Journal of Geology</i> , <b>2010</b> , 46, 97-111	1.4	4
9	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> , <b>2021</b> , 33, 195-207	3	4
8	Hf isotope evidence for effective impact melt homogenisation at the Sudbury impact crater, Ontario, Canada. <i>Geochimica Et Cosmochimica Acta</i> , <b>2017</b> , 215, 317-336	5.5	3
7	Meter-Scale Chemical and Isotopic Heterogeneities in the Oceanic Mantle, Leka Ophiolite Complex, Norway. <i>Journal of Petrology</i> ,	3.9	3
6	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> , <b>2018</b> ,	3.9	2
5	Crustal growth in SW Sweden. <i>Gff</i> , <b>1992</b> , 114, 452-452		1
4	Cenozoic reorganization of fluvial systems in eastern China: Sedimentary provenance of detrital K-feldspar in Taiwan. <i>Chemical Geology</i> , <b>2022</b> , 592, 120740	4.2	1
3	No connection between the Yangtze and Red rivers since the late Eocene. <i>Marine and Petroleum Geology</i> , <b>2021</b> , 129, 105115	4.7	1
2	Uranium-Lead phosphate chronostratigraphy: A proof of concept from the mid-Carboniferous boundary. <i>Sedimentary Geology</i> , <b>2021</b> , 422, 105961	2.8	1
1	The Basement and Dalradian Rocks of the North Mayo Inlier. <i>Springer Geology</i> , <b>2022</b> , 9-72	0.8	1

