

David B Snyder

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8838440/david-b-snyder-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99
papers

2,641
citations

31
h-index

48
g-index

118
ext. papers

2,844
ext. citations

3.9
avg, IF

4.93
L-index

#	Paper	IF	Citations
99	Evidence for early Proterozoic plate tectonics from seismic reflection profiles in the Baltic shield. <i>Nature</i> , 1990 , 348, 34-38	50.4	244
98	Foreland shortening and crustal balancing in the Andes at 30°S latitude. <i>Tectonics</i> , 1990 , 9, 789-809	4.3	202
97	Deep crustal structure and flexure of the Arabian Plate Beneath the Zagros collisional mountain belt as inferred from gravity observations. <i>Tectonics</i> , 1986 , 5, 361-373	4.3	141
96	Precambrian crustal evolution: Seismic constraints from the Canadian Shield. <i>Earth and Planetary Science Letters</i> , 2010 , 297, 655-666	5.3	89
95	Crustal structure beneath the Faroe Islands and the Faroe-Iceland Ridge. <i>Tectonophysics</i> , 1998 , 300, 159-180	3.80	79
94	A deep seismic reflection transect across the Irish Caledonides. <i>Journal of the Geological Society</i> , 1991 , 148, 149-164	2.7	79
93	The crust as a heterogeneous optical medium, or crocodiles in the mist. <i>Tectonophysics</i> , 1994 , 232, 281-297	3.1	73
92	A dual doubly vergent orogen in the Banda Arc continent-arc collision zone as observed on deep seismic reflection profiles. <i>Tectonics</i> , 1996 , 15, 34-53	4.3	69
91	The Iapetus suture zone in England, Scotland and eastern Ireland: a reconciliation of geological and deep seismic data. <i>Journal of the Geological Society</i> , 1992 , 149, 697-700	2.7	69
90	Precambrian crust beneath the Mesozoic northern Canadian Cordillera discovered by Lithoprobe seismic reflection profiling. <i>Tectonics</i> , 2004 , 23, n/a-n/a	4.3	68
89	A Caledonian age for reflectors within the mantle lithosphere north and west of Scotland. <i>Tectonics</i> , 1990 , 9, 903-922	4.3	60
88	Stacked uppermost mantle layers within the Slave craton of NW Canada as defined by anisotropic seismic discontinuities. <i>Tectonics</i> , 2008 , 27, n/a-n/a	4.3	57
87	Geophysical detection of relict metasomatism from an Archean (approximately 3.5 Ga) subduction zone. <i>Science</i> , 2009 , 326, 1089-91	33.3	56
86	Magnetotelluric and teleseismic study across the Snowbird Tectonic Zone, Canadian Shield: A Neoproterozoic mantle suture?. <i>Geophysical Research Letters</i> , 2002 , 29, 10-1-10-4	4.9	48
85	Deep seismic survey images crustal structure of Tornquist Zone beneath southern Baltic Sea. <i>Geophysical Research Letters</i> , 1991 , 18, 1091-1094	4.9	46
84	Proterozoic Prism Arrests Suspect Terranes: Insights into the Ancient Cordilleran Margin from Seismic Reflection Data. <i>GSA Today</i> , 2002 , 12, 4	2.8	45
83	Lithospheric growth at margins of cratons. <i>Tectonophysics</i> , 2002 , 355, 7-22	3.1	44

82	Deep-crustal mineral assemblages and potential for crustal rocks below the Moho in the Scottish Caledonides. <i>Geophysical Journal International</i> , 1995 , 123, 323-339	2.6	43
81	Reflections from mantle fault zones around the British Isles. <i>Geology</i> , 1990 , 18, 528	5	43
80	A comparison of cratonic roots through consistent analysis of seismic surface waves. <i>Lithos</i> , 2009 , 109, 81-95	2.9	41
79	Precambrian plate tectonics: Seismic evidence from northern Hudson Bay, Canada. <i>Geology</i> , 2011 , 39, 91-94	5	41
78	Crustal structure beneath Hudson Bay from ambient-noise tomography: implications for basin formation. <i>Geophysical Journal International</i> , 2011 , 184, 65-82	2.6	40
77	The Antrim-Ūalway Line: a resolution of the Highland Border Fault enigma of the Caledonides of Britain and Ireland. <i>Geological Magazine</i> , 1995 , 132, 171-184	2	40
76	Seismic anisotropy of the Slave craton, NW Canada, from joint interpretation of SKS and Rayleigh waves. <i>Geophysical Journal International</i> , 2007 , 169, 170-188	2.6	39
75	Seismic anisotropy and mantle structure of the Rae craton, central Canada, from joint interpretation of SKS splitting and receiver functions. <i>Precambrian Research</i> , 2013 , 232, 189-208	3.9	36
74	Implications of a simple mantle transition zone beneath cratonic North America. <i>Earth and Planetary Science Letters</i> , 2011 , 312, 28-36	5.3	34
73	New constraints on the upper mantle structure of the Slave craton from Rayleigh wave inversion. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	34
72	Downhole seismic imaging of a massive sulfide orebody with mode-converted waves, Halfmile lake, New Brunswick, Canada. <i>Geophysics</i> , 2004 , 69, 318-329	3.1	33
71	Construction and destruction of some North American cratons. <i>Tectonophysics</i> , 2017 , 694, 464-485	3.1	32
70	Mapping the mantle lithosphere for diamond potential using teleseismic methods. <i>Lithos</i> , 2004 , 77, 859-872	3.2	32
69	Thick-skinned deformation observed on deep seismic reflection profiles in western Argentina. <i>Tectonics</i> , 1990 , 9, 773-788	4.3	31
68	Crustal structure and lithology of the northern Canadian Cordillera: alternative interpretations of SNORCLE seismic reflection lines 2a and 2b. <i>Canadian Journal of Earth Sciences</i> , 2005 , 42, 1149-1161	1.5	26
67	Monte Carlo analysis of seismic reflections from Moho and the W reflector. <i>Journal of Geophysical Research</i> , 1997 , 102, 2969-2981		24
66	A Paleoproterozoic Andean-type iron oxide copper-gold environment, the Great Bear magmatic zone, Northwest Canada. <i>Ore Geology Reviews</i> , 2017 , 81, 123-139	3.2	22
65	Linkage between mantle and crustal structures and its bearing on inherited structures in northwestern Scotland. <i>Journal of the Geological Society</i> , 1997 , 154, 79-83	2.7	22

64	The Moine Thrust in the BIRPS data set. <i>Journal of the Geological Society</i> , 1990 , 147, 81-86	2.7	22
63	Magnetotelluric investigations of the lithosphere beneath the central Rae craton, mainland Nunavut, Canada. <i>Journal of Geophysical Research: Solid Earth</i> , 2014 , 119, 2415-2439	3.6	21
62	Tectonic and Metallogenic Implications of Regional Seismic Profiles in the Timmins Mining Camp. <i>Economic Geology</i> , 2008 , 103, 1135-1150	4.3	20
61	Recording marine airgun shots at offsets between 300 and 700 km. <i>Geophysical Research Letters</i> , 1991 , 18, 645-648	4.9	20
60	Lithospheric architecture of the Slave craton, northwest Canada, as determined from an interdisciplinary 3-D model. <i>Geochemistry, Geophysics, Geosystems</i> , 2014 , 15, 1895-1910	3.6	19
59	Two anisotropic layers in the Slave craton. <i>Lithos</i> , 2003 , 71, 529-539	2.9	19
58	Upper mantle reflector structure and origin beneath the Scottish Caledonides. <i>Tectonics</i> , 1995 , 14, 1351-1367	4.3	19
57	The Hudson Bay Lithospheric Experiment (HuBLE): insights into Precambrian plate tectonics and the development of mantle keels. <i>Geological Society Special Publication</i> , 2015 , 389, 41-67	1.7	17
56	Seismic reflection profiling of the Pyhäalmi VHMS-deposit: A complementary approach to the deep base metal exploration in Finland. <i>Geophysics</i> , 2012 , 77, WC15-WC23	3.1	17
55	Estimates of upper-crustal heterogeneity in the Baltic Shield from seismic scattering and borehole logs. <i>Tectonophysics</i> , 1998 , 286, 171-183	3.1	17
54	Reflections from a mylonitized zone in central Sweden. <i>Journal of Geophysical Research</i> , 1997 , 102, 8411-8425	4.3	16
53	Kimberlite trends in NW Canada. <i>Journal of the Geological Society</i> , 2005 , 162, 737-740	2.7	16
52	High-resolution seismic imaging of crooked two-dimensional profiles in greenstone belts of the Canadian shield: results from the Swayze area, Ontario, Canada. <i>Geophysical Prospecting</i> , 2020 , 68, 62-81	1.9	16
51	Does seismically anisotropic subcontinental mantle lithosphere require metasomatic wehrlite/pyroxenite dyke stockworks?. <i>Lithos</i> , 2009 , 112, 961-965	2.9	15
50	Acquisition and Processing of Wider Bandwidth Seismic Data in Crystalline Crust: Progress with the Metal Earth Project. <i>Minerals (Basel, Switzerland)</i> , 2019 , 9, 145	2.4	14
49	Weakly magnetic crust in the Canadian Cordillera. <i>Earth and Planetary Science Letters</i> , 2006 , 248, 476-485	5.3	14
48	The 3-dimensional construction of the Rae craton, central Canada. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 3555-3574	3.6	12
47	Lithoprobe impact on the Canadian diamond-exploration industry This article is one of a series of papers published in this Special Issue on the theme Lithoprobe parameters, processes, and the evolution of a continent. Earth Sciences Sector Contribution 20070261; Lithoprobe Contribution 1479. <i>Canadian Journal of Earth Sciences</i> , 2010 , 47, 789-800	1.5	12

46	Contrasting seismic characteristics of three major faults in northwestern Canada. <i>Canadian Journal of Earth Sciences</i> , 2005 , 42, 1223-1237	1.5	12
45	Reflections from a relic Moho in Scotland?. <i>Geodynamic Series</i> , 1991 , 307-313		12
44	Broadband receiver response from dual-streamer data and applications in deep reflection seismology. <i>Geophysics</i> , 1996 , 61, 232-243	3.1	12
43	Deep Into the Chibougamau Area, Abitibi Greenstone Belt: Structure of a Neoproterozoic Crust Revealed by Seismic Reflection Profiling. <i>Tectonics</i> , 2020 , 39, e2020TC006223	4.3	11
42	The underestimated Proterozoic component of the Canadian Cordillera accretionary margin. <i>Geological Society Special Publication</i> , 2009 , 318, 257-271	1.7	11
41	Australia-Banda Arc collision as an analogue for early stages in Iapetus closure. <i>Journal of the Geological Society</i> , 1997 , 154, 589-592	2.7	11
40	Crustal and mantle reflectors from Palaeoproterozoic orogens and their relation to arc-continent collisions. <i>Geological Society Special Publication</i> , 1996 , 112, 1-23	1.7	11
39	Seismic velocities and composition of the Canadian crust. <i>Tectonophysics</i> , 2014 , 633, 256-267	3.1	9
38	Mantle roots of major Precambrian shear zones inferred from structure of the Great Slave Lake shear zone, northwest Canada. <i>Lithosphere</i> , 2013 , 5, 539-546	2.7	9
37	The sampling of fault populations in dolerite sills of Central Sweden and implications for resolution of seismic data. <i>Journal of Structural Geology</i> , 1997 , 19, 687-701	3	9
36	Some problems in velocity analysis for marine deep seismic profiles. <i>First Break</i> , 1993 , 11,	0.5	9
35	2D-3C high-resolution seismic data from the Abitibi Greenstone Belt, Canada. <i>Tectonophysics</i> , 2009 , 472, 226-237	3.1	8
34	On Archean craton growth and stabilisation: Insights from lithospheric resistivity structure of the Superior Province. <i>Earth and Planetary Science Letters</i> , 2021 , 562, 116853	5.3	8
33	Seismic reflection patterns associated with continental convergent margins through time. <i>Tectonophysics</i> , 2016 , 692, 3-13	3.1	8
32	Mantle composition, age and geotherm beneath the Darby kimberlite field, west central Rae Craton. <i>Mineralogy and Petrology</i> , 2018 , 112, 57-70	1.6	7
31	Enhancing hardrock seismic images: Reprocessing of high resolution seismic reflection data from Vihanti, Finland. <i>Journal of Applied Geophysics</i> , 2013 , 93, 1-11	1.7	7
30	Teleseismic studies of the Canadian landmass: Lithoprobe and its legacy This article is one of a series of papers published in this Special Issue on the theme Lithoprobe Parameters, processes, and the evolution of a continent. ESS Contribution 20090305.. <i>Canadian Journal of Earth Sciences</i> , 2010 , 47, 445-461	1.5	7
29	Pre-critical wide-angle reflections from the Baltic shield: evidence for a 1.8 Ga subduction complex. <i>Tectonophysics</i> , 1994 , 232, 179-194	3.1	7

28	Imaging Archaean-age whole mineral systems. <i>Precambrian Research</i> , 2013 , 229, 125-132	3.9	6
27	Detailed processing of seismic reflection data from the frontal part of the Timor trough accretionary wedge, eastern Indonesia. <i>Geological Society Special Publication</i> , 1996 , 106, 75-83	1.7	6
26	CAN-HK: An a Priori Crustal Model for the Canadian Shield. <i>Seismological Research Letters</i> , 2015 , 86, 1374-1382	4.5	5
25	Processing of pre-critical wide-angle seismic reflection data from the BABEL project. <i>Geophysical Journal International</i> , 1995 , 122, 1-15	2.6	5
24	Geophysical evidence for local indentor tectonics in the Banda arc east of Timor. <i>Geological Society Special Publication</i> , 1996 , 106, 61-73	1.7	5
23	Crustal-Scale Geology and Fault Geometry Along the Gold-Endowed Matheson Transect of the Abitibi Greenstone Belt. <i>Economic Geology</i> ,	4.3	5
22	New insights into the structure of the Sudbury Igneous Complex from downhole seismic studies. <i>Canadian Journal of Earth Sciences</i> , 2002 , 39, 943-951	1.5	4
21	Imaging Neoproterozoic crustal structures: An integrated geologic-seismic-magnetotelluric study in the western Wabigoon and Winnipeg River terranes, Superior craton. <i>Precambrian Research</i> , 2021 , 364, 106339	3.9	4
20	Regional seismic wave propagation (Lg & Sn phases) in the Amerasia Basin and High Arctic. <i>Polar Science</i> , 2015 , 9, 130-145	2.3	3
19	National database of Moho depth estimates estimates from seismic refraction and teleseismic surveys 2017 ,		3
18	Cratons, kimberlites and diamonds: selected papers of the 11th International Kimberlite Conference. <i>Mineralogy and Petrology</i> , 2018 , 112, 1-3	1.6	3
17	Deep into the Chibougamau area, Abitibi greenstone belt: structure of a Neoproterozoic crust revealed by seismic reflection profiling		3
16	POLARIS Update: Fall 2002. <i>Seismological Research Letters</i> , 2003 , 74, 41-43	3	2
15	Magmatic, hydrothermal and ore element transfer processes of the southeastern Archean Superior Province implied from electrical resistivity structure. <i>Gondwana Research</i> , 2022 , 105, 84-95	5.1	2
14	A new approach to downhole seismic imaging, Halfmile Lake, New Brunswick 2002 ,		2
13	Teleseismic investigations of the lithosphere beneath central Baffin Island, Nunavut 2003 ,		2
12	Downhole seismic imaging of the Victor kimberlite, James Bay Lowlands, Ontario: a feasibility study 2005 ,		2
11	Mantle lithosphere structure beneath southeast Baffin Island, Nunavut from teleseismic studies 2010 ,		2

10	A magnetotelluric survey across the Committee Bay Block and Rae Craton in the Churchill Region of Nunavut 2011 ,		2
9	Crustal architecture and structural evolution of a Neoproterozoic sedimentary basin: geological and geophysical evidence from Metal Earth Chicobi transect in the Abitibi Subprovince, Superior Province, Quebec, Canada. <i>Precambrian Research</i> , 2021 , 365, 106391	3.9	2
8	Resolution and uncertainty in lithospheric 3-D geological models. <i>Mineralogy and Petrology</i> , 2018 , 112, 133-147	1.6	1
7	Multidisciplinary Modeling of Mantle Lithosphere Structure Within the Superior Craton, North America. <i>Geochemistry, Geophysics, Geosystems</i> , 2021 , 22, e2020GC009566	3.6	1
6	Seismic imaging across fault systems in the Abitibi greenstone belt: An analysis of pre- and post-stack migration approaches in the Chibougamau area, Quebec, Canada. <i>Solid Earth</i> , 2021 , 12, 1143-1164	3.3	1
5	Potential-field modelling of the prospective Chibougamau area (northeastern Abitibi subprovince, Quebec, Canada) using geological, geophysical, and petrophysical constraints. <i>Canadian Journal of Earth Sciences</i> , 2021 , 58, 297-312	1.5	1
4	Addressing geometrical attributes and seismic imaging capability of fault systems in a world-class metal endowed region: Abitibi Greenstone Belt, Canada. <i>Tectonophysics</i> , 2022 , 229361	3.1	1
3	Resolution properties and 3-D reconstruction from multi-azimuth wide-angle data in the Baltic region. <i>Tectonophysics</i> , 2000 , 329, 345-359	3.1	
2	Determination of Poisson's ratio from pre-critical wide-angle seismic reflection data from the BABEL project. <i>Geophysical Journal International</i> , 1995 , 122, 16-32	2.6	
1	Proterozoic prism arrests suspect terranes: Insights into the ancient Cordilleran margin from seismic reflection data: Reply. <i>GSA Today</i> , 2003 , 13, 20	2.8	