

David B Snyder

List of Publications by Year in Descending Order

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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	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
98	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
97	Multidisciplinary Modeling of Mantle Lithosphere Structure Within the Superior Craton, North America. <i>Geochemistry, Geophysics, Geosystems</i> , 2021 , 22, e2020GC009566	3.6	1
96	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
95	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
94	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
93	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
92	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
91	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
90	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
89	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
88	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
87	Resolution and uncertainty in lithospheric 3-D geological models. <i>Mineralogy and Petrology</i> , 2018 , 112, 133-147	1.6	1
86	Cratons, kimberlites and diamonds: selected papers of the 11th International Kimberlite Conference. <i>Mineralogy and Petrology</i> , 2018 , 112, 1-3	1.6	3
85	Construction and destruction of some North American cratons. <i>Tectonophysics</i> , 2017 , 694, 464-485	3.1	32
84	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
83	National database of Moho depth estimates estimates from seismic refraction and teleseismic surveys 2017 ,		3

82	Seismic reflection patterns associated with continental convergent margins through time. <i>Tectonophysics</i> , 2016 , 692, 3-13	3.1	8
81	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
80	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
79	The 3-dimensional construction of the Rae craton, central Canada. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 3555-3574	3.6	12
78	CAN-HK: An a Priori Crustal Model for the Canadian Shield. <i>Seismological Research Letters</i> , 2015 , 86, 1374-1382	5	5
77	Seismic velocities and composition of the Canadian crust. <i>Tectonophysics</i> , 2014 , 633, 256-267	3.1	9
76	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
75	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
74	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
73	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
72	Imaging Archaean-age whole mineral systems. <i>Precambrian Research</i> , 2013 , 229, 125-132	3.9	6
71	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
70	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
69	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
68	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
67	Precambrian plate tectonics: Seismic evidence from northern Hudson Bay, Canada. <i>Geology</i> , 2011 , 39, 91-94	5	41
66	A magnetotelluric survey across the Committee Bay Block and Rae Craton in the Churchill Region of Nunavut 2011 ,		2
65	Precambrian crustal evolution: Seismic constraints from the Canadian Shield. <i>Earth and Planetary Science Letters</i> , 2010 , 297, 655-666	5.3	89

64	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, 723-800	1.5	12
63	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
62	Mantle lithosphere structure beneath southeast Baffin Island, Nunavut from teleseismic studies 2010 ,		2
61	Geophysical detection of relict metasomatism from an Archean (approximately 3.5 Ga) subduction zone. <i>Science</i> , 2009 , 326, 1089-91	33.3	56
60	The underestimated Proterozoic component of the Canadian Cordillera accretionary margin. <i>Geological Society Special Publication</i> , 2009 , 318, 257-271	1.7	11
59	A comparison of cratonic roots through consistent analysis of seismic surface waves. <i>Lithos</i> , 2009 , 109, 81-95	2.9	41
58	Does seismically anisotropic subcontinental mantle lithosphere require metasomatic wehrlite/pyroxenite dyke stockworks?. <i>Lithos</i> , 2009 , 112, 961-965	2.9	15
57	2D-3C high-resolution seismic data from the Abitibi Greenstone Belt, Canada. <i>Tectonophysics</i> , 2009 , 472, 226-237	3.1	8
56	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
55	Tectonic and Metallogenic Implications of Regional Seismic Profiles in the Timmins Mining Camp. <i>Economic Geology</i> , 2008 , 103, 1135-1150	4.3	20
54	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
53	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
52	Weakly magnetic crust in the Canadian Cordillera. <i>Earth and Planetary Science Letters</i> , 2006 , 248, 476-485	5.3	14
51	Contrasting seismic characteristics of three major faults in northwestern Canada. <i>Canadian Journal of Earth Sciences</i> , 2005 , 42, 1223-1237	1.5	12
50	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
49	Kimberlite trends in NW Canada. <i>Journal of the Geological Society</i> , 2005 , 162, 737-740	2.7	16
48	Downhole seismic imaging of the Victor kimberlite, James Bay Lowlands, Ontario: a feasibility study 2005 ,		2
47	Mapping the mantle lithosphere for diamond potential using teleseismic methods. <i>Lithos</i> , 2004 , 77, 859-872	3.2	32

46	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
45	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
44	Two anisotropic layers in the Slave craton. <i>Lithos</i> , 2003 , 71, 529-539	2.9	19
43	POLARIS Update: Fall 2002. <i>Seismological Research Letters</i> , 2003 , 74, 41-43	3	2
42	Teleseismic investigations of the lithosphere beneath central Baffin Island, Nunavut 2003 ,		2
41	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	
40	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
39	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
38	Lithospheric growth at margins of cratons. <i>Tectonophysics</i> , 2002 , 355, 7-22	3.1	44
37	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
36	A new approach to downhole seismic imaging, Halfmile Lake, New Brunswick 2002 ,		2
35	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	
34	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
33	Crustal structure beneath the Faroe Islands and the Faroe-Iceland Ridge. <i>Tectonophysics</i> , 1998 , 300, 159-180	3.1	79
32	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
31	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
30	Monte Carlo analysis of seismic reflections from Moho and the W reflector. <i>Journal of Geophysical Research</i> , 1997 , 102, 2969-2981		24
29	Reflections from a mylonitized zone in central Sweden. <i>Journal of Geophysical Research</i> , 1997 , 102, 8411-8425		16

28	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
27	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
26	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
25	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
24	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
23	Broadband receiver response from dual-streamer data and applications in deep reflection seismology. <i>Geophysics</i> , 1996 , 61, 232-243	3.1	12
22	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
21	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	
20	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
19	The Antrim-Dalway 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
18	Upper mantle reflector structure and origin beneath the Scottish Caledonides. <i>Tectonics</i> , 1995 , 14, 1351-1367	1.3	19
17	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
16	The crust as a heterogeneous optical medium, or crocodiles in the mist. <i>Tectonophysics</i> , 1994 , 232, 281-297	3.1	73
15	Some problems in velocity analysis for marine deep seismic profiles. <i>First Break</i> , 1993 , 11,	0.5	9
14	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
13	A deep seismic reflection transect across the Irish Caledonides. <i>Journal of the Geological Society</i> , 1991 , 148, 149-164	2.7	79
12	Recording marine airgun shots at offsets between 300 and 700 km. <i>Geophysical Research Letters</i> , 1991 , 18, 645-648	4.9	20
11	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

10	Reflections from a relic Moho in Scotland?. <i>Geodynamic Series</i> , 1991 , 307-313		12
9	The Moine Thrust in the BIRPS data set. <i>Journal of the Geological Society</i> , 1990 , 147, 81-86	2.7	22
8	Reflections from mantle fault zones around the British Isles. <i>Geology</i> , 1990 , 18, 528	5	43
7	Evidence for early Proterozoic plate tectonics from seismic reflection profiles in the Baltic shield. <i>Nature</i> , 1990 , 348, 34-38	50.4	244
6	Thick-skinned deformation observed on deep seismic reflection profiles in western Argentina. <i>Tectonics</i> , 1990 , 9, 773-788	4.3	31
5	Foreland shortening and crustal balancing in the Andes at 30°S latitude. <i>Tectonics</i> , 1990 , 9, 789-809	4.3	202
4	A Caledonian age for reflectors within the mantle lithosphere north and west of Scotland. <i>Tectonics</i> , 1990 , 9, 903-922	4.3	60
3	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
2	Crustal-Scale Geology and Fault Geometry Along the Gold-Endowed Matheson Transect of the Abitibi Greenstone Belt. <i>Economic Geology</i> ,	4.3	5
1	Deep into the Chibougamau area, Abitibi greenstone belt: structure of a Neoproterozoic crust revealed by seismic reflection profiling		3