

Carol A Finn

List of Publications by Year in descending order

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64
papers

2,642
citations

218677

26
h-index

214800

47
g-index

87
all docs

87
docs citations

87
times ranked

2248
citing authors

#	ARTICLE	IF	CITATIONS
1	Geophysical imaging of the Yellowstone hydrothermal plumbing system. <i>Nature</i> , 2022, 603, 643-647.	27.8	13
2	Airborne Geophysical Imaging of Weak Zones on Iliamna Volcano, Alaska: Implications for Slope Stability. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020807.	3.4	8
3	When Wyoming Became Superior: Oblique Convergence Along the Southern Trans-Hudson Orogen. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092970.	4.0	7
4	Geometry of the Bushveld Complex from 3D potential field modelling. <i>Precambrian Research</i> , 2021, 359, 106219.	2.7	5
5	Mapping the 3D extent of the Stillwater Complex, Montana—Implications for potential platinum group element exploration and development. <i>Precambrian Research</i> , 2020, 348, 105860.	2.7	5
6	Geological and Thermal Control of the Hydrothermal System in Northern Yellowstone Lake: Inferences From High-Resolution Magnetic Surveys. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019743.	3.4	12
7	Combining Multiphase Groundwater Flow and Slope Stability Models to Assess Stratovolcano Flank Collapse in the Cascade Range. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 2787-2805.	3.4	27
8	Three-dimensional geophysical mapping of shallow water saturated altered rocks at Mount Baker, Washington: Implications for slope stability. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 357, 261-275.	2.1	25
9	New Magnetic Anomaly Map of the Antarctic. <i>Geophysical Research Letters</i> , 2018, 45, 6437-6449.	4.0	78
10	Crustal structure of the Gamburtsev Province, East Antarctica, from airborne geophysics. , 2017, , .		2
11	Real-time geomagnetic monitoring for space weather-related applications: Opportunities and challenges. <i>Space Weather</i> , 2017, 15, 820-827.	3.7	6
12	Goelectric hazard maps for the continental United States. <i>Geophysical Research Letters</i> , 2016, 43, 9415-9424.	4.0	38
13	GEOPHYSICAL IMAGING OF THE BURIED EXTENTS OF SELECTED LAYERED MAFIC INTRUSIONS AND RELATION TO PLATINUM GROUP ELEMENT EXPLORATION. , 2016, , .		0
14	Mapping the 3D extent of the Northern Lobe of the Bushveld layered mafic intrusion from geophysical data. <i>Precambrian Research</i> , 2015, 268, 279-294.	2.7	40
15	Using Nuclear Magnetic Resonance and Transient Electromagnetics to characterise water distribution beneath an ice covered volcanic crater: the case of Sherman Crater Mt. Baker, Washington. <i>Near Surface Geophysics</i> , 2014, 12, 285-296.	1.2	6
16	Gravity models of the Bushveld Complex — Have we come full circle?. <i>Journal of African Earth Sciences</i> , 2014, 92, 97-118.	2.0	21
17	Freezing of ridges and water networks preserves the Gamburtsev Subglacial Mountains for millions of years. <i>Geophysical Research Letters</i> , 2014, 41, 8114-8122.	4.0	38
18	Overview of the magnetic signatures of the Palaeoproterozoic Rustenburg Layered Suite, Bushveld Complex, South Africa. <i>Precambrian Research</i> , 2013, 236, 193-213.	2.7	17

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19	Air and shipborne magnetic surveys of the Antarctic into the 21st century. <i>Tectonophysics</i> , 2013, 585, 3-12.	2.2	19
20	Improved Geomagnetic Referencing in the Arctic Environment (Russian). , 2013, , .		5
21	Improved Geomagnetic Referencing in the Arctic Environment. , 2013, , .		8
22	Geomagnetic Referencing in the Arctic Environment. , 2012, , .		0
23	Helicopter electromagnetic data map ice thickness at Mount Adams and Mount Baker, Washington, USA. <i>Journal of Glaciology</i> , 2012, 58, 1133-1143.	2.2	11
24	Influencing the future of AGU. <i>Eos</i> , 2012, 93, 7-7.	0.1	0
25	John B. â€œJackâ€•Townshend (1927-2012). <i>Eos</i> , 2012, 93, 524-525.	0.1	0
26	AGU Board and Council Project Team Take Next Steps. <i>Eos</i> , 2011, 92, 137-137.	0.1	0
27	The USGS Geomagnetism Program and Its Role in Space Weather Monitoring. <i>Space Weather</i> , 2011, 9, .	3.7	36
28	East Antarctic rifting triggers uplift of the Gamburtsev Mountains. <i>Nature</i> , 2011, 479, 388-392.	27.8	198
29	Geomagnetic Referencing in the Arctic Environment (Russian). , 2011, , .		3
30	Geomagnetic Referencing in the Arctic Environment. , 2011, , .		3
31	Helicopter magnetic and electromagnetic surveys at Mounts Adams, Baker and Rainier, Washington: Implications for debris flow hazards and volcano hydrology. , 2011, , .		2
32	Glimpses of East Antarctica: Aeromagnetic and satellite magnetic view from the central Transantarctic Mountains of East Antarctica. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	52
33	EMAG2: A 2â€•arc min resolution Earth Magnetic Anomaly Grid compiled from satellite, airborne, and marine magnetic measurements. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	452
34	Threeâ€•dimensional geophysical mapping of rock alteration and water content at Mount Adams, Washington: Implications for lahar hazards. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	43
35	Applications of Geophysical Methods to Volcano Monitoring. , 2006, , .		0
36	ADMAP â€” A Digital Magnetic Anomaly Map of the Antarctic. , 2006, , 109-116.		16

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37	Scouting Craton's Edge in Paleo-Pacific Gondwana. , 2006, , 165-173.		18
38	Signs from the Precambrian: The geologic framework of Rocky Mountain region derived from aeromagnetic data. Geophysical Monograph Series, 2005, , 39-54.	0.1	10
39	A Cenozoic diffuse alkaline magmatic province (DAMP) in the southwest Pacific without rift or plume origin. Geochemistry, Geophysics, Geosystems, 2005, 6, .	2.5	146
40	Potential of airborne geophysical capabilities discussed. Eos, 2003, 84, 4.	0.1	4
41	High-resolution aeromagnetic mapping of volcanic terrain, Yellowstone National Park. Journal of Volcanology and Geothermal Research, 2002, 115, 207-231.	2.1	68
42	New digital data base helps to map North America. Eos, 2001, 82, 325-325.	0.1	5
43	Subglacial sediments: A regional geological template for ice flow in West Antarctica. Geophysical Research Letters, 2001, 28, 3493-3496.	4.0	96
44	New digital magnetic anomaly database for North America. The Leading Edge, 2001, 20, 870-872.	0.7	5
45	Aerogeophysical measurements of collapse-prone hydrothermally altered zones at Mount Rainier volcano. Nature, 2001, 409, 600-603.	27.8	100
46	Aeromagnetic legacy of early Paleozoic subduction along the Pacific margin of Gondwana. Geology, 1999, 27, 1087.	4.4	80
47	Seismic reflection images beneath Puget Sound, western Washington State: The Puget Lowland thrust sheet hypothesis. Journal of Geophysical Research, 1997, 102, 27469-27489.	3.3	97
48	Patterns of late Cenozoic volcanic and tectonic activity in the West Antarctic rift system revealed by aeromagnetic surveys. Tectonics, 1996, 15, 660-676.	2.8	82
49	CASERTZ aeromagnetic data reveal late Cenozoic flood basalts(?) in the West Antarctic rift system. Geology, 1994, 22, 527.	4.4	78
50	Aeromagnetic evidence for a buried Early Cretaceous magmatic arc, northeast Japan. Journal of Geophysical Research, 1994, 99, 22165-22185.	3.3	56
51	Introduction to the Special Section Northeast Japan: A Case History of Subduction. Journal of Geophysical Research, 1994, 99, 22137-22145.	3.3	10
52	Magnetic and Gravity Constraints on Forearc Upper Crustal Structure and Composition, Offshore Northeast Japan.. Journal of Geomagnetism and Geoelectricity, 1994, 46, 423-441.	0.9	5
53	Active volcanism beneath the West Antarctic ice sheet and implications for ice-sheet stability. Nature, 1993, 361, 526-529.	27.8	183
54	Comment and Reply on "U.S. west coast revisited: An aeromagnetic perspective". Geology, 1991, 19, 950.	4.4	5

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55	Geophysical constraints on Washington Convergent Margin Structure. Journal of Geophysical Research, 1990, 95, 19533-19546.	3.3	48
56	Evidence for a shallow pluton beneath the Goat Rocks Wilderness, Washington, from gravity and magnetic data. Journal of Geophysical Research, 1987, 92, 4867-4880.	3.3	17
57	Tectonics and conductivity structures in the Southern Washington Cascades. Journal of Geophysical Research, 1987, 92, 10179-10193.	3.3	60
58	An aeromagnetic study of Mount St. Helens. Journal of Geophysical Research, 1987, 92, 10194-10206.	3.3	33
59	Evidence from gravity data for an intrusive complex beneath Mount St. Helens. Journal of Geophysical Research, 1987, 92, 10207-10222.	3.3	36
60	Klamath-Blue Mountain lineament, Oregon. Geology, 1986, 14, 528.	4.4	44
61	28. Analysis of Gravity Data in Volcanic Terrain and Gravity Anomalies and Subvolcanic Intrusions in the Cascade Range, U.S.A., and at Other Selected Volcanoes. , 1985, , 361-374.		28
62	Gravity evidence for a shallow intrusion under Medicine Lake volcano, California. Geology, 1982, 10, 503.	4.4	31
63	Gravity studies in volcanic terranes. , 1982, , .		0
64	The 180-km-long Meers-Willow Fault System in the Southern Oklahoma Aulacogen: A potential U.S. mid-continent seismic hazard. Bulletin of the Geological Society of America, 0, , .	3.3	1