

Glen T Snyder

List of Publications by Year in descending order

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48
papers

2,128
citations

236925

25
h-index

276875

41
g-index

50
all docs

50
docs citations

50
times ranked

2083
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring deep microbial life in coal-bearing sediment down to ~2.5 km below the ocean floor. <i>Science</i> , 2015, 349, 420-424.	12.6	376
2	Dating of Pore Waters with ¹²⁹ I: Relevance for the Origin of Marine Gas Hydrates. <i>Science</i> , 2000, 289, 2332-2335.	12.6	155
3	Pore water profiles and authigenic mineralization in shallow marine sediments above the methane-charged system on Umitaka Spur, Japan Sea. <i>Deep-Sea Research Part II: Topical Studies in Oceanography</i> , 2007, 54, 1216-1239.	1.4	100
4	Global distribution and long-term fate of anthropogenic ¹²⁹ I in marine and surface water reservoirs. <i>Geochemistry, Geophysics, Geosystems</i> , 2010, 11, .	2.5	86
5	Pore water sulfate, alkalinity, and carbon isotope profiles in shallow sediment above marine gas hydrate systems: A numerical modeling perspective. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	83
6	Origin of iodine in volcanic fluids. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 3827-3838.	3.9	77
7	The initial ¹²⁹ I/I ratio and the presence of ¹²⁹ I iodine in continental margins. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 259, 496-502.	1.4	76
8	Global distribution of ¹²⁹ I in rivers and lakes: implications for iodine cycling in surface reservoirs. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004, 223-224, 579-586.	1.4	74
9	Regional variations in volatile composition: Isotopic evidence for carbonate recycling in the Central American volcanic arc. <i>Geochemistry, Geophysics, Geosystems</i> , 2001, 2, n/a-n/a.	2.5	72
10	Sources of nitrogen and methane in Central American geothermal settings: Noble gas and ¹²⁹ I evidence for crustal and magmatic volatile components. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, 1-28.	2.5	72
11	Geochemical constraints for the formation and dissociation of gas hydrate in an area of high methane flux, eastern margin of the Japan Sea. <i>Earth and Planetary Science Letters</i> , 2009, 279, 326-339.	4.4	70
12	Halogen geochemistry of the McMurdo dry valleys lakes, Antarctica: Clues to the origin of solutes and lake evolution. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 305-323.	3.9	66
13	Barium cycling in shallow sediment above active mud volcanoes in the Gulf of Mexico. <i>Chemical Geology</i> , 2006, 226, 1-30.	3.3	63
14	Iodine as a tracer of organic material: ¹²⁹ I results from gas hydrate systems and fore arc fluids. <i>Journal of Geochemical Exploration</i> , 2007, 95, 66-80.	3.2	61
15	Origin and age of pore waters in an actively venting gas hydrate field near Sado Island, Japan Sea: Interpretation of halogen and ¹²⁹ I distributions. <i>Chemical Geology</i> , 2007, 236, 350-366.	3.3	58
16	Formation and Collapse of Gas Hydrate Deposits in High Methane Flux Area of the Joetsu Basin, Eastern Margin of Japan Sea. <i>Journal of Geography (Chigaku Zasshi)</i> , 2009, 118, 43-71.	0.3	58
17	Origin and history of waters associated with coalbed methane: ¹²⁹ I, ³⁶ Cl, and stable isotope results from the Fruitland Formation, CO and NM. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 4529-4544.	3.9	52
18	Iodine dating of pore waters associated with gas hydrates in the Nankai area, Japan. <i>Geology</i> , 2003, 31, 521.	4.4	51

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19	129I in the Southern Hemisphere: Global redistribution of an anthropogenic isotope. Nuclear Instruments & Methods in Physics Research B, 2000, 172, 366-371.	1.4	47
20	Climate change and tectonic uplift triggered the formation of the Atacama Desert's giant nitrate deposits. Geology, 2014, 42, 251-254.	4.4	44
21	Labile barite contents and dissolved barium concentrations on Blake Ridge: New perspectives on barium cycling above gas hydrate systems. Journal of Geochemical Exploration, 2007, 95, 48-65.	3.2	43
22	Sources, sinks and long-term cycling of iodine in the hyperarid Atacama continental margin. Geochimica Et Cosmochimica Acta, 2015, 161, 50-70.	3.9	33
23	Iodine isotope ratios and halide concentrations in fluids of the Satsuma-Iwojima volcano, Japan. Earth, Planets and Space, 2002, 54, 265-273.	2.5	30
24	Detection of recycled marine sediment components in crater lake fluids using 129 I. Journal of Volcanology and Geothermal Research, 2002, 115, 451-460.	2.1	30
25	Residence times and source ages of deep crustal fluids: interpretation of 129I and 36Cl results from the KTB-VB drill site, Germany. Geofluids, 2005, 5, 42-51.	0.7	30
26	Systematics of halogen elements and their radioisotopes in thermal springs of the Cascade Range, Central Oregon, Western USA. Earth and Planetary Science Letters, 2005, 235, 700-714.	4.4	24
27	129I and 36Cl in dilute hydrocarbon waters: Marine-cosmogenic, in situ, and anthropogenic sources. Applied Geochemistry, 2007, 22, 692-714.	3.0	24
28	Iodine budget in surface waters from Atacama: Natural and anthropogenic iodine sources revealed by halogen geochemistry and iodine-129 isotopes. Applied Geochemistry, 2016, 68, 53-63.	3.0	24
29	Clumped isotope signatures of methane-derived authigenic carbonate presenting equilibrium values of their formation temperatures. Earth and Planetary Science Letters, 2019, 512, 207-213.	4.4	24
30	Doubly substituted isotopologues of methane hydrate (13CH3D and 12CH2D2): Implications for methane clumped isotope effects, source apportionments and global hydrate reservoirs. Geochimica Et Cosmochimica Acta, 2021, 315, 127-151.	3.9	21
31	Magmatic fluids play a role in the development of active gas chimneys and massive gas hydrates in the Japan Sea. Chemical Geology, 2020, 535, 119462.	3.3	20
32	USING IODINE ISOTOPES TO CONSTRAIN SUPERGENE FLUID SOURCES IN ARID REGIONS: INSIGHTS FROM THE CHUQUICAMATA OXIDE BLANKET. Economic Geology, 2013, 108, 163-171.	3.8	18
33	Influence of the carbon isotopic composition of methane and the proportion of methane-derived bicarbonate on the 13C/12C ratio of dissolved inorganic carbon at the sulfate-methane transition in the Joetsu Basin area, eastern margin of the Sea of Japan. Marine and Petroleum Geology, 2015, 67, 468-480.	3.3	9
34	Gas hydrate estimates in muddy sediments from the oxygen isotope of water fraction. Chemical Geology, 2017, 470, 107-115.	3.3	9
35	Evidence in the Japan Sea of microdolomite mineralization within gas hydrate microbiomes. Scientific Reports, 2020, 10, 1876.	3.3	8
36	Geochemistry of pore waters from gas hydrate research in the eastern margin of the Japan Sea (MD179). Journal of the Japanese Association for Petroleum Technology, 2012, 77, 262-267.	0.0	7

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37	129I in volcanic fluids: Testing for the presence of marine sediments in the Central American volcanic arc. Nuclear Instruments & Methods in Physics Research B, 2000, 172, 568-573.	1.4	6
38	Acoustical survey of methane plumes using the quantitative echo sounder in the eastern margin of the sea of Japan. , 0, , .		6
39	New insights on the hydrocarbon system of the Fruitland Formation coal beds, northern San Juan Basin, Colorado and New Mexico, USA. , 2005, , .		6
40	Acoustical surveys of Methane plumes using the quantitative echo sounder in Japan Sea. , 2007, , .		5
41	Concentration and carbon-isotopic change of dissolved gas from Muroto mud volcano in Tokamachi City, Niigata Prefecture (central Japan), just before and after the 2014 Kamishiro Fault Earthquake. Journal of the Geological Society of Japan, 2018, 124, 127-140.	0.6	3
42	Groundwater Anomaly Related to CCS-CO2 Injection and the 2018 Hokkaido Eastern Iwate Earthquake in Japan. Frontiers in Earth Science, 2020, 8, .	1.8	3
43	Methane flux, seafloor gas hydrates, chloride anomalies and sulfate reduction : Joetsu regions, eastern margin of Japan Sea. Journal of the Sedimentological Society of Japan, 2007, 64, 89-93.	0.3	1
44	Data report: water activity of the deep coal-bearing basin off Shimokita from IODP Expedition 337. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	1
45	Influence of normal tide and the Great Tsunami as recorded through hourly-resolution micro-analysis of a mussel shell. Scientific Reports, 2021, 11, 19874.	3.3	1
46	Doubly substituted isotopologues of methane hydrate (13CH3D and 12CH2D2): implication for sources and history. , 2021, , .		1
47	Los campos geotérmicos de Centroamérica: influencia del proceso de subducción sobre su composición volátil. Revista Geológica De América Central, 2013, , .	0.1	0
48	Groundwater anomaly related to CCS-CO2 injection and the 2018 Hokkaido Eastern Iwate earthquake in Japan. , 2021, , .		0