

Glenn A Spinelli

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.

39
papers

1,181
citations

21
h-index

34
g-index

40
ext. papers

1,305
ext. citations

4.2
avg, IF

4.29
L-index

#	Paper	IF	Citations
39	Detecting fault zone characteristics and paleovalley incision using electrical resistivity: Loma Blanca Fault, New Mexico. <i>Geophysics</i> , 2021 , 86, B209-B221	3.1	1
38	The Effects of Fault-Zone Cementation on Groundwater Flow at the Field Scale. <i>Ground Water</i> , 2021 , 59, 396-409	2.4	2
37	Heat Flow Evidence for Hydrothermal Circulation in Oceanic Crust Offshore Grays Harbor, Washington. <i>Geochemistry, Geophysics, Geosystems</i> , 2020 , 21, e2019GC008879	3.6	1
36	Spatiotemporal Characterization of Smectite-to-Illite Diagenesis in the Nankai Trough Accretionary Prism Revealed by Samples From 3km Below Seafloor. <i>Geochemistry, Geophysics, Geosystems</i> , 2019 , 20, 933-951	3.6	2
35	The Thermal Effects of Plate-Bending-Related Thickening of the Oceanic Crustal Aquifer in the Nankai Trough and Japan Trench Subduction Zones. <i>Journal of Geophysical Research: Solid Earth</i> , 2019 , 124, 1205-1221	3.6	
34	Diagenetic, metamorphic, and hydrogeologic consequences of hydrothermal circulation in subducting crust 2018 , 14, 2337-2354		4
33	Hydrothermal circulation and the thermal structure of shallow subduction zones 2017 , 13, 1425-1444		11
32	The thermal effect of fluid circulation in the subducting crust on slab melting in the Chile subduction zone. <i>Earth and Planetary Science Letters</i> , 2016 , 434, 101-111	5.3	3
31	Modeled temperatures and fluid source distributions for the Mexican subduction zone: Effects of hydrothermal circulation and implications for plate boundary seismic processes. <i>Geochemistry, Geophysics, Geosystems</i> , 2016 , 17, 550-570	3.6	9
30	Long-distance fluid and heat transport in the oceanic crust entering the Nankai subduction zone, NanTroSEIZE transect. <i>Earth and Planetary Science Letters</i> , 2014 , 389, 86-94	5.3	7
29	Remarkably consistent thermal state of the south central Chile subduction zone from 36°S to 45°S. <i>Journal of Geophysical Research: Solid Earth</i> , 2014 , 119, 3503-3516	3.6	13
28	A synthesis of heat flow determinations and thermal modeling along the Nankai Trough, Japan. <i>Journal of Geophysical Research: Solid Earth</i> , 2013 , 118, 2687-2702	3.6	34
27	Global analysis of the effect of fluid flow on subduction zone temperatures. <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 3268-3281	3.6	21
26	A wider seismogenic zone at Cascadia due to fluid circulation in subducting oceanic crust. <i>Geology</i> , 2012 , 40, 899-902	5	34
25	Heat flow along the NanTroSEIZE transect: Results from IODP Expeditions 315 and 316 offshore the Kii Peninsula, Japan. <i>Geochemistry, Geophysics, Geosystems</i> , 2011 , 12, n/a-n/a	3.6	29
24	Thermal effects of hydrothermal circulation and seamount subduction: Temperatures in the Nankai Trough Seismogenic Zone Experiment transect, Japan. <i>Geochemistry, Geophysics, Geosystems</i> , 2011 , 12, n/a-n/a	3.6	21
23	Effects of the legacy of axial cooling on partitioning of hydrothermal heat extraction from oceanic lithosphere. <i>Journal of Geophysical Research</i> , 2011 , 116,		19

22	Importance of volcanic glass alteration to sediment stabilization: offshore Japan. <i>Sedimentology</i> , 2011 , 58, 1138-1154	3.3	24
21	Thermal regime of the Costa Rican convergent margin: 2. Thermal models of the shallow Middle America subduction zone offshore Costa Rica. <i>Geochemistry, Geophysics, Geosystems</i> , 2010 , 11, n/a-n/a	3.6	57
20	Links between fluid circulation, temperature, and metamorphism in subducting slabs. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	31
19	Thermal effects of fluid circulation in the basement aquifer of subducting ocean crust. <i>Journal of Geophysical Research</i> , 2009 , 114,		27
18	Large heat and fluid fluxes driven through mid-plate outcrops on ocean crust. <i>Nature Geoscience</i> , 2008 , 1, 611-614	18.3	91
17	Hydrothermal circulation in subducting crust reduces subduction zone temperatures. <i>Geology</i> , 2008 , 36, 91	5	23
16	Effects of fluid circulation in subducting crust on Nankai margin seismogenic zone temperatures. <i>Geology</i> , 2008 , 36, 887	5	69
15	Trench-parallel fluid flow in subduction zones resulting from temperature differences. <i>Geochemistry, Geophysics, Geosystems</i> , 2007 , 8, n/a-n/a	3.6	7
14	4. The Thermal State of 1804 Ma Upper Lithosphere Subducting Below the Nicoya Peninsula, Northern Costa Rica Margin 2007 , 86-122		1
13	Diagenesis, sediment strength, and pore collapse in sediment approaching the Nankai Trough subduction zone. <i>Bulletin of the Geological Society of America</i> , 2007 , 119, 377-390	3.9	75
12	Hydrogeologic responses to three-dimensional temperature variability, Costa Rica subduction margin. <i>Journal of Geophysical Research</i> , 2006 , 111,		54
11	Modeling thermal history of subducting crust in Nankai Trough: Constraints from in situ sediment temperature and diagenetic reaction progress. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	15
10	Provenance, Stratigraphic Architecture, and Hydrogeologic Influence of Turbidites on the Mid-Ocean Ridge Flank of Northwestern Cascadia Basin, Pacific Ocean. <i>Journal of Sedimentary Research</i> , 2005 , 75, 149-164	2.1	49
9	Character of sediments entering the Costa Rica subduction zone: Implications for partitioning of water along the plate interface. <i>Island Arc</i> , 2004 , 13, 432-451	2	62
8	Hydrothermal circulation within topographically rough basaltic basement on the Juan de Fuca Ridge flank. <i>Geochemistry, Geophysics, Geosystems</i> , 2004 , 5, n/a-n/a	3.6	45
7	Along-strike variations in underthrust sediment dewatering on the Nicoya margin, Costa Rica related to the updip limit of seismicity. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	48
6	Hydrothermal seepage patterns above a buried basement ridge, eastern flank of the Juan de Fuca Ridge. <i>Journal of Geophysical Research</i> , 2004 , 109,		17
5	Controls of tectonics and sediment source locations on along-strike variations in transgressive deposits on the northern California margin. <i>Marine Geology</i> , 2003 , 197, 35-47	3.3	12

4	Groundwater seepage into northern San Francisco Bay: Implications for dissolved metals budgets. <i>Water Resources Research</i> , 2002 , 38, 12-1-12-19	5.4	16
3	Evolution of Continental Slope Gullies on the Northern California Margin. <i>Journal of Sedimentary Research</i> , 2001 , 71, 237-245	2.1	47
2	Visual-stratigraphic dating of the GISP2 ice core: Basis, reproducibility, and application. <i>Journal of Geophysical Research</i> , 1997 , 102, 26367-26381		170
1	Seascape Evolution on Clastic Continental Shelves and Slopes339-380		29