Glenn A Spinelli

List of Publications by Citations

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	Visual-stratigraphic dating of the GISP2 ice core: Basis, reproducibility, and application. *Journal of Geophysical Research*, **1997**, 102, 26367-26381		170
38	Large heat and fluid fluxes driven through mid-plate outcrops on ocean crust. *Nature Geoscience*, **2008**, 1, 611-614	18.3	91
37	Diagenesis, sediment strength, and pore collapse in sediment approaching the Nankai Trough subduction zone. *Bulletin of the Geological Society of America*, **2007**, 119, 377-390	3.9	75
36	Effects of fluid circulation in subducting crust on Nankai margin seismogenic zone temperatures. *Geology*, **2008**, 36, 887	5	69
35	Character of sediments entering the Costa Rica subduction zone: Implications for partitioning of water along the plate interface. *Island Arc*, **2004**, 13, 432-451	2	62
34	Thermal regime of the Costa Rican convergent margin: 2. Thermal models of the shallow Middle America subduction zone offshore Costa Rica. *Geochemistry, Geophysics, Geosystems*, **2010**, 11, n/a-n/a	3.6	57
33	Hydrogeologic responses to three-dimensional temperature variability, Costa Rica subduction margin. *Journal of Geophysical Research*, **2006**, 111,		54
32	Provenance, Stratigraphic Architecture, and Hydrogeologic Influence of Turbidites on the Mid-Ocean Ridge Flank of Northwestern Cascadia Basin, Pacific Ocean. *Journal of Sedimentary Research*, **2005**, 75, 149-164	2.1	49
31	Along-strike variations in underthrust sediment dewatering on the Nicoya margin, Costa Rica related to the updip limit of seismicity. *Geophysical Research Letters*, **2004**, 31,	4.9	48
30	Evolution of Continental Slope Gullies on the Northern California Margin. *Journal of Sedimentary Research*, **2001**, 71, 237-245	2.1	47
29	Hydrothermal circulation within topographically rough basaltic basement on the Juan de Fuca Ridge flank. *Geochemistry, Geophysics, Geosystems*, **2004**, 5, n/a-n/a	3.6	45
28	A synthesis of heat flow determinations and thermal modeling along the Nankai Trough, Japan. *Journal of Geophysical Research: Solid Earth*, **2013**, 118, 2687-2702	3.6	34
27	A wider seismogenic zone at Cascadia due to fluid circulation in subducting oceanic crust. *Geology*, **2012**, 40, 899-902	5	34
26	Links between fluid circulation, temperature, and metamorphism in subducting slabs. *Geophysical Research Letters*, **2009**, 36,	4.9	31
25	Heat flow along the NanTroSEIZE transect: Results from IODP Expeditions 315 and 316 offshore the Kii Peninsula, Japan. *Geochemistry, Geophysics, Geosystems*, **2011**, 12, n/a-n/a	3.6	29
24	Seascape Evolution on Clastic Continental Shelves and Slopes339-380		29
23	Thermal effects of fluid circulation in the basement aquifer of subducting ocean crust. *Journal of Geophysical Research*, **2009**, 114,		27

22	Importance of volcanic glass alteration to sediment stabilization: offshore Japan. *Sedimentology*, **2011**, 58, 1138-1154	3.3	24
21	Hydrothermal circulation in subducting crust reduces subduction zone temperatures. *Geology*, **2008**, 36, 91	5	23
20	Global analysis of the effect of fluid flow on subduction zone temperatures. *Geochemistry, Geophysics, Geosystems*, **2013**, 14, 3268-3281	3.6	21
19	Thermal effects of hydrothermal circulation and seamount subduction: Temperatures in the Nankai Trough Seismogenic Zone Experiment transect, Japan. *Geochemistry, Geophysics, Geosystems*, **2011**, 12, n/a-n/a	3.6	21
18	Effects of the legacy of axial cooling on partitioning of hydrothermal heat extraction from oceanic lithosphere. *Journal of Geophysical Research*, **2011**, 116,		19
17	Hydrothermal seepage patterns above a buried basement ridge, eastern flank of the Juan de Fuca Ridge. *Journal of Geophysical Research*, **2004**, 109,		17
16	Groundwater seepage into northern San Francisco Bay: Implications for dissolved metals budgets. *Water Resources Research*, **2002**, 38, 12-1-12-19	5.4	16
15	Modeling thermal history of subducting crust in Nankai Trough: Constraints from in situ sediment temperature and diagenetic reaction progress. *Geophysical Research Letters*, **2005**, 32,	4.9	15
14	Remarkably consistent thermal state of the south central Chile subduction zone from 36°S to 45°S. *Journal of Geophysical Research: Solid Earth*, **2014**, 119, 3503-3516	3.6	13
13	Controls of tectonics and sediment source locations on along-strike variations in transgressive deposits on the northern California margin. *Marine Geology*, **2003**, 197, 35-47	3.3	12
12	Hydrothermal circulation and the thermal structure of shallow subduction zones **2017**, 13, 1425-1444		11
11	Modeled temperatures and fluid source distributions for the Mexican subduction zone: Effects of hydrothermal circulation and implications for plate boundary seismic processes. *Geochemistry, Geophysics, Geosystems*, **2016**, 17, 550-570	3.6	9
10	Long-distance fluid and heat transport in the oceanic crust entering the Nankai subduction zone, NanTroSEIZE transect. *Earth and Planetary Science Letters*, **2014**, 389, 86-94	5.3	7
9	Trench-parallel fluid flow in subduction zones resulting from temperature differences. *Geochemistry, Geophysics, Geosystems*, **2007**, 8, n/a-n/a	3.6	7
8	Diagenetic, metamorphic, and hydrogeologic consequences of hydrothermal circulation in subducting crust **2018**, 14, 2337-2354		4
7	The thermal effect of fluid circulation in the subducting crust on slab melting in the Chile subduction zone. *Earth and Planetary Science Letters*, **2016**, 434, 101-111	5.3	3
6	Spatiotemporal Characterization of Smectite-to-Illite Diagenesis in the Nankai Trough Accretionary Prism Revealed by Samples From 3 km Below Seafloor. *Geochemistry, Geophysics, Geosystems*, **2019**, 20, 933-951	3.6	2
5	The Effects of Fault-Zone Cementation on Groundwater Flow at the Field Scale. *Ground Water*, **2021**, 59, 396-409	2.4	2

4	Heat Flow Evidence for Hydrothermal Circulation in Oceanic Crust Offshore Grays Harbor, Washington. *Geochemistry, Geophysics, Geosystems*, **2020**, 21, e2019GC008879	3.6	1
3	4. The Thermal State of 18□4 Ma Upper Lithosphere Subducting Below the Nicoya Peninsula, Northern Costa Rica Margin **2007**, 86-122		1
2	Detecting fault zone characteristics and paleovalley incision using electrical resistivity: Loma Blanca Fault, New Mexico. *Geophysics*, **2021**, 86, B209-B221	3.1	1
1	The Thermal Effects of Plate-Bending-Related Thickening of the Oceanic Crustal Aquifer in the Nankai Trough and Japan Trench Subduction Zones. *Journal of Geophysical Research: Solid Earth*, **2019**, 124, 1205-1221	3.6	