

Elizabeth J Screaton

List of Publications by Year in descending order

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59
papers

2,350
citations

201674

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59
docs citations

59
times ranked

1663
citing authors

#	ARTICLE	IF	CITATIONS
1	A Simple Relation to Constrain Groundwater Models Using Surface Deformation. <i>Ground Water</i> , 2022, 60, 410-417.	1.3	2
2	Investigating the Basal Shear Zone of the Submarine Tuaheni Landslide Complex, New Zealand: A Coreâ€¦Logâ€¦Seismic Integration Study. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	8
3	Effect of Mississippi River discharge and local hydrological variables on salinity of nearby estuaries using a machine learning algorithm. <i>Estuarine, Coastal and Shelf Science</i> , 2021, 263, 107628.	2.1	5
4	Reply to Comments by N. Sultan on â€œSedimentation Controls on Methaneâ€¦Hydrate Dynamics Across Glacial/Interglacial Stages: An Example From International Ocean Discovery Program Site U1517, Hikurangi Marginâ€¦. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009005.	2.5	1
5	Deformation Structures From Splay and DÃ©collement Faults in the Nankai Accretionary Prism, SW Japan (IODP NanTroSEIZE Expedition 316): Evidence for Slow and Rapid Slip in Fault Rocks. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2019GC008786.	2.5	5
6	Slow slip source characterized by lithological and geometric heterogeneity. <i>Science Advances</i> , 2020, 6, eaay3314.	10.3	95
7	Interplay of Subduction Tectonics, Sedimentation, and Carbon Cycling. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 4939-4955.	2.5	7
8	Sedimentation Controls on Methaneâ€¦Hydrate Dynamics Across Glacial/Interglacial Stages: An Example From International Ocean Discovery Program Site U1517, Hikurangi Margin. <i>Geochemistry, Geophysics, Geosystems</i> , 2019, 20, 4906-4921.	2.5	17
9	Insights Into Permafrost and Seasonal Activeâ€¦Layer Dynamics From Ambient Seismic Noise Monitoring. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 1798-1816.	2.8	37
10	The impact of rapid sediment accumulation on pore pressure development and dehydration reactions during shallow subduction in the <sc>G</sc>ulf of <sc>A</sc>laska. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 189-203.	2.5	4
11	Improved moving window crossâ€¦spectral analysis for resolving large temporal seismic velocity changes in permafrost. <i>Geophysical Research Letters</i> , 2017, 44, 4018-4026.	4.0	34
12	Normal faulting and mass movement during ridge subduction inferred from porosity transition and zeolitization in the <sc>C</sc>osta <sc>R</sc>ica subduction zone. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 2601-2616.	2.5	1
13	Hydrostratigraphy characterization of the Floridan aquifer system using ambient seismic noise. <i>Geophysical Journal International</i> , 2017, 209, 876-889.	2.4	5
14	Deep subsurface carbon cycling in the <sc>N</sc>ankai <sc>T</sc>rough (Japan)â€¦Evidence of tectonically induced stimulation of a deep microbial biosphere. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3257-3270.	2.5	9
15	Insights on surface-water/groundwater exchange in the upper Floridan aquifer, north-central Florida (USA), from streamflow data and numerical modeling. <i>Hydrogeology Journal</i> , 2015, 23, 305-317.	2.1	13
16	Evolution of sediment permeability during burial and subduction. <i>Geofluids</i> , 2015, 15, 84-105.	0.7	38
17	Subduction Zones. <i>Developments in Marine Geology</i> , 2014, , 599-640.	0.4	6
18	Bank storage in karst aquifers: The impact of temporary intrusion of river water on carbonate dissolution and trace metal mobility. <i>Chemical Geology</i> , 2014, 385, 56-69.	3.3	30

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19	Influence of partial confinement and Holocene river formation on groundwater flow and dissolution in the Florida carbonate platform. <i>Hydrological Processes</i> , 2014, 28, 705-717.	2.6	22
20	Dissolution in a variably confined carbonate platform: effects of allogenic runoff, hydraulic damming of groundwater inputs, and surface-groundwater exchange at the basin scale. <i>Earth Surface Processes and Landforms</i> , 2013, 38, 1700-1713.	2.5	13
21	The impact of megasplay faulting and permeability contrasts on Nankai Trough subduction zone pore pressures. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	7
22	Seismogenic zone temperatures and heat-flow anomalies in the To-nankai margin segment based on temperature data from IODP expedition 333 and thermal model. <i>Earth and Planetary Science Letters</i> , 2012, 349-350, 171-185.	4.4	26
23	Coupled fluid flow and deformation modeling of the frontal thrust region of the Kumano Basin transect, Japan: Implications for fluid pressures and decollement downstepping. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	22
24	Interactions of diffuse and focused allogenic recharge in an eogenetic karst aquifer (Florida, USA). <i>Hydrogeology Journal</i> , 2012, 20, 767-781.	2.1	14
25	Spatial and temporal evolution of the megasplay fault in the Nankai Trough. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, .	2.5	88
26	Time variant cross correlation to assess residence time of water and implication for hydraulics of a sink-rise karst system. <i>Water Resources Research</i> , 2011, 47, .	4.2	38
27	Slumping and mass transport deposition in the Nankai fore arc: Evidence from IODP drilling and 3D reflection seismic data. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, .	2.5	103
28	Permeability-porosity relationships of subduction zone sediments. <i>Marine Geology</i> , 2011, 279, 19-36.	2.1	65
29	Seismic slip propagation to the updip end of plate boundary subduction interface faults: Vitrinite reflectance geothermometry on Integrated Ocean Drilling Program NanTro SEIZE cores. <i>Geology</i> , 2011, 39, 395-398.	4.4	147
30	River reversals into karst springs: A model for cave enlargement in eogenetic karst aquifers. <i>Bulletin of the Geological Society of America</i> , 2011, 123, 457-467.	3.3	42
31	Water exchange and pressure transfer between conduits and matrix and their influence on hydrodynamics of two karst aquifers with sinking streams. <i>Journal of Hydrology</i> , 2010, 386, 55-66.	5.4	108
32	Conduit enlargement in an eogenetic karst aquifer. <i>Journal of Hydrology</i> , 2010, 393, 143-155.	5.4	49
33	Geochemical and statistical evidence of recharge, mixing, and controls on spring discharge in an eogenetic karst aquifer. <i>Journal of Hydrology</i> , 2009, 376, 443-455.	5.4	101
34	Relative importance and chemical effects of diffuse and focused recharge in an eogenetic karst aquifer: an example from the unconfined upper Floridan aquifer, USA. <i>Hydrogeology Journal</i> , 2009, 17, 1687-1698.	2.1	27
35	Origin and evolution of a splay fault in the Nankai accretionary wedge. <i>Nature Geoscience</i> , 2009, 2, 648-652.	12.9	177

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37	Interactions between deformation and fluids in the frontal thrust region of the NanTroSEIZE transect offshore the Kii Peninsula, Japan: Results from IODP Expedition 316 Sites C0006 and C0007. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	65
38	Characterization of excess pore pressures at the toe of the Nankai accretionary complex, Ocean Drilling Program sites 1173, 1174, and 808: Results of one-dimensional modeling. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	39
39	Excess pore pressures within subducting sediments: Does the proportion of accreted versus subducted sediments matter?. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	4.0	7
40	Hydrodynamic response of subduction zones to seismic activity: A case study for the Costa Rica margin. <i>Tectonophysics</i> , 2006, 426, 167-187.	2.2	8
41	Monitoring well responses to karst conduit head fluctuations: Implications for fluid exchange and matrix transmissivity in the Floridan aquifer. , 2006, , .		13
42	Fluid expulsion and overpressure development during initial subduction at the Costa Rica convergent margin. <i>Earth and Planetary Science Letters</i> , 2005, 233, 361-374.	4.4	31
43	Modeling seismically induced deformation and fluid flow in the Nankai subduction zone. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	19
44	Conduit Properties and Karstification in the Unconfined Floridan Aquifer. <i>Ground Water</i> , 2004, 42, 338-346.	1.3	48
45	A one-dimensional analytically based approach for studying poroplastic and viscous consolidation: Application to Woodlark Basin, Papua New Guinea. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	5
46	Three-dimensional numerical simulation of fluid flow and heat transport within the Barbados Ridge accretionary complex. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	15
47	Anisotropy of electrical conductivity record of initial strain at the toe of the Nankai accretionary wedge. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	49
48	Fluid flow at the toe of convergent margins: interpretation of sharp pore-water geochemical gradients. <i>Earth and Planetary Science Letters</i> , 2003, 213, 261-270.	4.4	35
49	Porosity loss within the underthrust sediments of the Nankai accretionary complex: Implications for overpressures. <i>Geology</i> , 2002, 30, 19.	4.4	122
50	New insights into deformation and fluid flow processes in the Nankai Trough accretionary prism: Results of Ocean Drilling Program Leg 190. <i>Geochemistry, Geophysics, Geosystems</i> , 2001, 2, n/a-n/a.	2.5	189
51	Permeability of a decollement zone: Results from a two-well experiment in the Barbados accretionary complex. <i>Journal of Geophysical Research</i> , 2000, 105, 21403-21410.	3.3	32
52	Barbados Ridge hydrogeologic tests: Implications for fluid migration along an active decollement. <i>Geology</i> , 1997, 25, 239.	4.4	31
53	Hydrogeologic properties of a thrust fault within the Oregon Accretionary Prism. <i>Journal of Geophysical Research</i> , 1995, 100, 20025-20035.	3.3	34
54	Permeabilities, fluid pressures, and flow rates in the Barbados Ridge Complex. <i>Journal of Geophysical Research</i> , 1990, 95, 8997-9007.	3.3	143

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55	Data report: permeability and grain size of sediments, IODP Expeditions 372 and 375. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	1
56	NanTroSEIZE Stage 1 expeditions: introduction and synthesis of key results. Proceedings of the Integrated Ocean Drilling Program Integrated Ocean Drilling Program, 0, , .	1.0	60
57	Data Report: Permeabilities of Nankai Accretionary Prism Sediments. , 0, , .		9
58	Data Report: Permeabilities of Eastern Equatorial Pacific and Peru Margin Sediments. , 0, , .		10
59	Data Report: Permeabilities of Costa Rica Subduction Zone Sediments. , 0, , .		7