

John A Hole

List of Publications by Year in descending order

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46
papers

2,080
citations

331670

21
h-index

265206

42
g-index

49
all docs

49
docs citations

49
times ranked

1489
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear high-resolution three-dimensional seismic travel time tomography. <i>Journal of Geophysical Research</i> , 1992, 97, 6553-6562.	3.3	342
2	3-D finite-difference reflection travel times. <i>Geophysical Journal International</i> , 1995, 121, 427-434.	2.4	331
3	Three-dimensional P and S wave velocity structure of Redoubt Volcano, Alaska. <i>Journal of Geophysical Research</i> , 1996, 101, 8111-8128.	3.3	235
4	Structure of the California Coast Ranges and San Andreas Fault at SAFOD from seismic waveform inversion and reflection imaging. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	102
5	Deformation in the Lower Crust of the San Andreas Fault System in Northern California. <i>Science</i> , 1997, 278, 650-653.	12.6	101
6	Seismic Evidence for a Lower-Crustal Detachment Beneath San Francisco Bay, California. <i>Science</i> , 1994, 265, 1436-1439.	12.6	74
7	Crustal structure of a transform plate boundary: San Francisco Bay and the central California continental margin. <i>Journal of Geophysical Research</i> , 1996, 101, 22311-22334.	3.3	62
8	High-Resolution Seismic Velocities and Shallow Structure of the San Andreas Fault Zone at Middle Mountain, Parkfield, California. <i>Bulletin of the Seismological Society of America</i> , 2002, 92, 2493-2503.	2.3	59
9	Steep-Dip Seismic Imaging of the Shallow San Andreas Fault Near Parkfield. <i>Science</i> , 2001, 294, 1513-1515.	12.6	56
10	Three-dimensional seismic velocity structure of the San Francisco Bay area. <i>Journal of Geophysical Research</i> , 2000, 105, 13859-13874.	3.3	50
11	Crustal structure of the Colorado Plateau, Arizona: Application of new long-offset seismic data analysis techniques. <i>Journal of Geophysical Research</i> , 1996, 101, 11173-11194.	3.3	49
12	Structure of the San Andreas fault zone at SAFOD from a seismic refraction survey. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	48
13	Inversion of three-dimensional wide-angle seismic data from the southwestern Canadian Cordillera. <i>Journal of Geophysical Research</i> , 1996, 101, 8503-8529.	3.3	46
14	Continental rupture and the creation of new crust in the Salton Trough rift, Southern California and northern Mexico: Results from the Salton Seismic Imaging Project. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 7469-7489.	3.4	39
15	Location of the southern edge of the Gorda slab and evidence for an adjacent asthenospheric window: Results from seismic profiling and gravity. <i>Journal of Geophysical Research</i> , 1998, 103, 30101-30115.	3.3	34
16	Interface inversion using broadside seismic refraction data and three-dimensional travel time calculations. <i>Journal of Geophysical Research</i> , 1992, 97, 3417-3429.	3.3	29
17	Applying waveform inversion to wide-angle seismic surveys. <i>Tectonophysics</i> , 2009, 472, 238-248.	2.2	29
18	Application of geomorphic analysis and ground-penetrating radar to characterization of paleoseismic sites in dynamic alluvial environments: an example from southern California. <i>Tectonophysics</i> , 2003, 368, 25-32.	2.2	28

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19	Wide-angle seismic constraints on the evolution of the deep San Andreas plate boundary by Mendocino triple junction migration. <i>Tectonics</i> , 1998, 17, 802-818.	2.8	27
20	Crustal structure beneath the Blue Mountains terranes and cratonic North America, eastern Oregon, and Idaho, from teleseismic receiver functions. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 5049-5067.	3.4	26
21	Seismic reflections from the near-vertical San Andreas Fault. <i>Geophysical Research Letters</i> , 1996, 23, 237-240.	4.0	23
22	Fault zone characteristics and basin complexity in the southern Salton Trough, California. <i>Geology</i> , 2016, 44, 747-750.	4.4	23
23	Determination of Seismogenic Structures in Southeastern Sicily (Italy) by High-Precision Relative Relocation of Microearthquakes. <i>Bulletin of the Seismological Society of America</i> , 2009, 99, 1921-1936.	2.3	21
24	A comparison of earthquake backprojection imaging methods for dense local arrays. <i>Geophysical Journal International</i> , 2018, 212, 1986-2002.	2.4	21
25	Subsurface Geometry of the San Andreas Fault in Southern California: Results from the Salton Seismic Imaging Project (SSIP) and Strong Ground Motion Expectations. <i>Bulletin of the Seismological Society of America</i> , 0, , .	2.3	18
26	Three-dimensional Basin and Fault Structure From a Detailed Seismic Velocity Model of Coachella Valley, Southern California. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 4728-4750.	3.4	18
27	Reflection imaging with earthquake sources and dense arrays. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 3076-3098.	3.4	17
28	Multi-scale compressional wave velocity structure of the San Gregorio Fault zone. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	16
29	Advances in controlled-source seismic imaging. <i>Eos</i> , 2005, 86, 177.	0.1	16
30	Anatomy of the Chesapeake Bay impact structure revealed by seismic imaging, Delmarva Peninsula, Virginia, USA. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	16
31	Aftershock imaging using a dense seismometer array (AIDA) after the 2011 Mineral, Virginia, earthquake. , 2015, , .		13
32	Seismic imaging of the metamorphism of young sediment into new crystalline crust in the actively rifting Imperial Valley, California. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4566-4584.	2.5	13
33	Depth extent of the fault-zone seismic waveguide: effects of increasing velocity with depth. <i>Geophysical Journal International</i> , 2008, 173, 611-622.	2.4	12
34	Tomographic Vp and Vs structure of the California Central Coast Ranges, in the vicinity of SAFOD, from controlled-source seismic data. <i>Geophysical Journal International</i> , 2012, 190, 1341-1360.	2.4	12
35	Fault zone structure at depth from differential dispersion of seismic guided waves: evidence for a deep waveguide on the San Andreas Fault. <i>Geophysical Journal International</i> , 2010, , no-no.	2.4	11
36	Interpretation of three-dimensional seismic refraction data from western Hecate Strait, British Columbia: structure of the crust. <i>Canadian Journal of Earth Sciences</i> , 1993, 30, 1440-1452.	1.3	7

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37	Aftershock Sequence of the 2011 Virginia Earthquake Derived from the Dense AIDA Array and Backprojection. Bulletin of the Seismological Society of America, 2019, 109, 19-33.	2.3	7
38	Interpretation of three-dimensional seismic refraction data from western Hecate Strait, British Columbia: structure of the Queen Charlotte Basin. Canadian Journal of Earth Sciences, 1993, 30, 1427-1439.	1.3	6
39	Crustal velocity structure of the southern Nechako basin, British Columbia, from wide-angle seismic traveltimes1This article is one of a series of papers published in this Special Issue on the theme of New insights in Cordilleran Intermontane geoscience: reducing exploration risk in the mountain pine beetle-affected area, British Columbia.. Canadian Journal of Earth Sciences, 2011, 48, 1050-1063.	1.3	6
40	Refraction of Fault-Zone Guided Seismic Waves. Bulletin of the Seismological Society of America, 2011, 101, 1674-1682.	2.3	4
41	Rivers, rifts and ruptures. Nature Geoscience, 2011, 4, 428-429.	12.9	4
42	Ground-Penetrating Radar for Karst Detection in Underground Stone Mines. Mining, Metallurgy and Exploration, 2020, 37, 153-165.	0.8	4
43	Reflection imaging using earthquake sources: A novel application of reverse vertical seismic profiling (RVSP). , 2015, , .		3
44	Vertical extent of the newborn San Andreas fault at the Mendocino triple junction. Geology, 2000, 28, 1111-1114.	4.4	3
45	Radar imaging of fractures and voids behind the walls of an underground mine. Geophysics, 2021, 86, H27-H41.	2.6	2
46	Resolving small objects using seismic traveltimes tomography. , 2008, , .		0