Alan F Baird

List of Publications by Year
in descending order

27	507	623574	887953
papers	citations	14 h-index	17 g-index

27	27	27	603
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Array Signal Processing on Distributed Acoustic Sensing Data: Directivity Effects in Slowness Space. Journal of Geophysical Research: Solid Earth, 2022, 127, .	1.4	17
2	Field measurements of fracture characteristics on a wave-cut platform. Interpretation, 2021, 9, T453-T462.	0.5	0
3	Distributed Acoustic Sensing (DAS) for Natural Microseismicity Studies: A Case Study From Antarctica. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021493.	1.4	36
4	Application of machine learning to microseismic event detection in distributed acoustic sensing data. Geophysics, 2020, 85, KS149-KS160.	1.4	53
5	Characteristics of microseismic data recorded by distributed acoustic sensing systems in anisotropic media. Geophysics, 2020, 85, KS139-KS147.	1.4	33
6	Constraining Recent Ice Flow History at Korff Ice Rise, West Antarctica, Using Radar and Seismic Measurements of Ice Fabric. Journal of Geophysical Research F: Earth Surface, 2019, 124, 175-194.	1.0	28
7	Realâ€Time Imaging, Forecasting, and Management of Humanâ€Induced Seismicity at Preston New Road, Lancashire, England. Seismological Research Letters, 2019, , .	0.8	23
8	Machine Learning For DAS Microseismic Event Detection. , 2019, , .		2
9	Modelling of Fibre-Optic DAS Response to Microseismic Arrivals in Anisotropic Media. , 2019, , .		8
10	Characterization of Quartz in Wufeng-Longmaxi Shale: Implications for Sedimentology and Shale Gas Exploration. , 2019, , .		0
11	Ice fabric in an Antarctic ice stream interpreted from seismic anisotropy. Geophysical Research Letters, 2017, 44, 3710-3718.	1.5	45
12	The Role of Texture, Cracks, and Fractures in Highly Anisotropic Shales. Journal of Geophysical Research: Solid Earth, 2017, 122, 10,341.	1.4	22
13	Complementary hydro-mechanical coupled finite/discrete element and microseismic modelling to predict hydraulic fracture propagation in tight shale reservoirs. Computational Particle Mechanics, 2016, 3, 229-248.	1.5	53
14	Shear Wave Splitting and Fluid Flow in Highly Anisotropic Shale Gas Reservoirs. , 2016, , .		0
15	Shear-wave splitting in highly anisotropic shale gas formations. , 2015, , .		1
16	Transtensional deformation of Montserrat revealed by shear wave splitting. Earth and Planetary Science Letters, 2015, 425, 179-186.	1.8	16
17	Integrated hydro-mechanical and seismic modelling of the Valhall reservoir: A case study of predicting subsidence, AVOA and microseismicity. Geomechanics for Energy and the Environment, 2015, 2, 32-44.	1.2	37
18	Field Estimates of Fracture Compliances using Active & Passive Seismics. , 2014, , .		0

#	Article	IF	Citations
19	Frequency-dependent seismic anisotropy due to fractures: Fluid flow versus scattering. Geophysics, 2013, 78, WA111-WA122.	1.4	26
20	Monitoring increases in fracture connectivity during hydraulic stimulations from temporal variations in shear wave splitting polarization. Geophysical Journal International, 2013, 195, 1120-1131.	1.0	30
21	Deformation in Rutford Ice Stream, West Antarctica: measuring shear-wave anisotropy from icequakes. Annals of Glaciology, 2013, 54, 105-114.	2.8	30
22	Monitoring Fracture Network Stimulation Using Micoseismic Data. , 2013, , .		0
23	Integrated Hydro-mechanical and Seismic Modelling of the Valhall Reservoir - Predicting Subsidence, AVOA and Microseismic. , 2013, , .		1
24	Relationship between structures, stress and seismicity in the Charlevoix seismic zone revealed by 3â€Ð geomechanical models: Implications for the seismotectonics of continental interiors. Journal of Geophysical Research, 2010, 115, .	3.3	13
25	Stress channelling and partitioning of seismicity in the Charlevoix seismic zone, QuÃ©bec, Canada. Geophysical Journal International, 2009, 179, 559-568.	1.0	13
26	Linking stress field deflection to basement structures in southern Ontario: Results from numerical modelling. Tectonophysics, 2007, 432, 89-100.	0.9	4
27	Microseismic monitoring using a fibre-optic Distributed Acoustic Sensor (DAS) array. Geophysics, 0, , 1-48.	1.4	16