Jonas D De Basabe

List of Publications by Year
in descending order

		1040056	1058476
24 papers	1,433 citations	9 h-index	14 g-index
24 all docs	24 docs citations	24 times ranked	2386 citing authors

#	Article	IF	Citations
1	Theoretical signature of a cavern created by an underground nuclear explosion in 2-D exploration seismic data. Geophysical Journal International, 2020, 221, 1789-1801.	2.4	3
2	A hybrid Galerkin finite element method for seismic wave propagation in fractured media. Geophysical Journal International, 2020, 221, 857-878.	2.4	10
3	Controlled source 3D modeling of Maxwellâ€™s equation with magnetic loops deployed in air and land. , 2020, , .		0
4	Multiscale model reduction of the wave propagation problem in viscoelastic fractured media. Geophysical Journal International, 2019, 217, 558-571.	2.4	10
5	Generalized Multiscale Discontinuous Galerkin Method for Helmholtz Problem in Fractured Media. Lecture Notes in Computer Science, 2019, , 250-257.	1.3	0
6	Enriched Galerkin finite element approximation for elastic wave propagation in fractured media. Journal of Computational Physics, 2018, 372, 726-747.	3.8	19
7	Elastic wave propagation in fractured media using the discontinuous Galerkin method. Geophysics, 2016, 81, T163-T174.	2.6	52
8	Simulation of Fracture Interface Waves using the Discontinuous Galerkin Method. , 2015, , .		2
9	A comparison of finite-difference and spectral-element methods for elastic wave propagation in media with a fluid-solid interface. Geophysical Journal International, 2015, 200, 278-298.	2.4	48
10	A comparison of monolithic methods for elastic wave propagation in media with a fluid-solid interface. , 2014, , .		2
11	Grid dispersion and stability of the spectral element method with triangular elements. , 2012, , .		2
12	Dispersion analysis of the spectral element method using a triangular mesh. Wave Motion, 2012, 49, 474-483.	2.0	17
13	Seismic wave propagation in fractured media: A discontinuous Galerkin approach. , 2011, , .		9
14	Comment on â€˜3-D frequency-domain seismic wave modelling in heterogeneous, anisotropic media using a Gaussian quadrature grid approachâ€™ by Bing Zhou and S. A. Greenhalgh. Geophysical Journal International, 2011, 186, 771-772.	2.4	1
15	Stability of the high-order finite elements for acoustic or elastic wave propagation with high-order time stepping. Geophysical Journal International, 2010, 181, 577-590.	2.4	97
16	Continuous and discontinuous finite element methods for elastic wave propagation. , 2009, , .		3
17	Comment on â€œDispersion analysis of spectral element methods for elastic wave propagationâ€•by G. Seriani and S.P. Oliveira. Wave Motion, 2009, 46, 92-93.	2.0	3
18	New developments in the finite-element method for seismic modeling. The Leading Edge, 2009, 28, 562-567.	0.7	23

#	Article	IF	Citations
19	The interior penalty discontinuous Galerkin method for elastic wave propagation: grid dispersion. Geophysical Journal International, 2008, 175, 83-93.	2.4	144
20	Grid dispersion of the discontinuous galerkin method for elastic wave propagation. , 2008, , .		0
21	Grid dispersion and stability criteria of some common finiteâ€difference and finiteâ€element methods for acoustic and elastic wave propagation. , 2007, , .		4
22	Grid dispersion and stability criteria of some common finite-element methods for acoustic and elastic wave equations. Geophysics, 2007, 72, T81-T95.	2.6	165
23	Unified equations for the slope, intercept, and standard errors of the best straight line. American Journal of Physics, 2004, 72, 367-375.	0.7	819
24	Comparison of wave-propagation simulations in fractured domains using discrete fractures and equivalent media. Geophysical Journal International, 0, , .	2.4	0