

Suping Peng

List of Publications by Year in descending order

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35
papers

324
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933447

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16
g-index

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all docs

35
docs citations

35
times ranked

107
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffraction imaging method by Mahalanobis-based amplitude damping. <i>Geophysics</i> , 2016, 81, S399-S408.	2.6	38
2	Factors facilitating or limiting the use of AVO for coal-bed methane. <i>Geophysics</i> , 2006, 71, C49-C56.	2.6	32
3	Diffraction separation and imaging using multichannel singular-spectrum analysis. <i>Geophysics</i> , 2020, 85, V11-V24.	2.6	32
4	3D diffraction imaging method using low-rank matrix decomposition. <i>Geophysics</i> , 2020, 85, S1-S10.	2.6	29
5	l1-norm regularization and wavelet transform: An improved plane-wave destruction method. <i>Journal of Applied Geophysics</i> , 2018, 148, 16-22.	2.1	25
6	Accurate diffraction imaging for detecting small-scale geologic discontinuities. <i>Geophysics</i> , 2018, 83, S447-S457.	2.6	20
7	Separating prestack diffractions with SVMF in the flattened shot domain. <i>Journal of Geophysics and Engineering</i> , 2019, 16, 389-398.	1.4	18
8	Polarity-preserved diffraction extracting method using modified apex-shifted Radon transform and double-branch Radon transform. <i>Journal of Geophysics and Engineering</i> , 2018, 15, 1991-2000.	1.4	12
9	Diffraction imaging using an adaptive phase filter. <i>Geophysical Prospecting</i> , 2020, 68, 164-177.	1.9	12
10	Separating and imaging diffractions of seismic waves in the full-azimuth dip-angle domain. <i>Journal of Geophysics and Engineering</i> , 2020, 17, 339-356.	1.4	10
11	Prestack diffraction separation in the common virtual source gather. <i>Geophysics</i> , 2021, 86, S113-S124.	2.6	10
12	The velocity-stress finite-difference method with a rotated staggered grid applied to seismic wave propagation in a fractured medium. <i>Geophysics</i> , 2020, 85, T89-T100.	2.6	9
13	A new scheme for velocity analysis and imaging of diffractions. <i>Journal of Geophysics and Engineering</i> , 2018, 15, 1084-1093.	1.4	8
14	Bulk density and bulk modulus of adsorbed coalbed methane. <i>Geophysics</i> , 2019, 84, K11-K21.	2.6	8
15	Diffraction separation by variational mode decomposition. <i>Geophysical Prospecting</i> , 2021, 69, 1070-1085.	1.9	8
16	Online dictionary learning method for extracting GPR diffractions. <i>Journal of Geophysics and Engineering</i> , 2019, 16, 1116-1123.	1.4	7
17	Least-squares imaging of diffractions by solving a hybrid L_1 - L_2 norm minimization problem. <i>Geophysics</i> , 2021, 86, S59-S72.	2.6	6
18	3D edge-diffraction coefficients in the azimuth and emergence domain. <i>Geophysics</i> , 2019, 84, T73-T82.	2.6	5

#	ARTICLE	IF	CITATIONS
19	Diffraction imaging using a mathematical morphological filter with a time-varying structuring element. <i>Geophysics</i> , 2021, 86, S185-S196.	2.6	5
20	Prestack seismic inversion with structural constraints. <i>Interpretation</i> , 2021, 9, T495-T506.	1.1	5
21	Effective diffraction separation using the improved optimal rank-reduction method. <i>Geophysics</i> , 2022, 87, V169-V182.	2.6	5
22	Coalbed methane content prediction using deep belief network. <i>Interpretation</i> , 2020, 8, T309-T321.	1.1	4
23	3D diffraction separation and imaging using an adaptive rank-reduction method. , 2019, , .		3
24	Wavefield simulation of fractured porous media and propagation characteristics analysis. <i>Geophysical Prospecting</i> , 2022, 70, 886-903.	1.9	3
25	Least-square imaging of diffractions with a multiparameter sparsity constraint. , 2018, , .		2
26	Finite Difference Scheme Based on the Lebedev Grid for Seismic Wave Propagation in Fractured Media. <i>Pure and Applied Geophysics</i> , 0, , .	1.9	2
27	A Robust Adaptive Rank-Reduction Method for 3D Diffraction Separation and Imaging. <i>Pure and Applied Geophysics</i> , 2021, 178, 2917-2931.	1.9	1
28	Full waveform inversion in fractured media based on velocity stress wave equations in the time domain. <i>Geophysical Journal International</i> , 2021, 227, 1060-1075.	2.4	1
29	Imaging diffractors using geometric mode decomposition and Gaussian distribution fitting. , 2021, , .		1
30	Plane-Wave Destruction-Based Workflow for Prestack Diffraction Separation in the Shot Domain. <i>Pure and Applied Geophysics</i> , 2022, 179, 2215-2229.	1.9	1
31	Diffraction separation using structure-oriented orthogonal polynomial transform. <i>Geophysics</i> , 2022, 87, V397-V404.	2.6	1
32	Diffraction Extraction Using a Low-Rank Matrix Approximation Method. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	3.1	1
33	Low-rank diffraction separation using an improved MSSA algorithm. <i>Acta Geophysica</i> , 2021, 69, 1651-1665.	2.0	0
34	Imaging Diffractions Using a Double-Order Weight Function. <i>Pure and Applied Geophysics</i> , 2022, 179, 1053.	1.9	0
35	Identifying Discontinuities by Extracting Diffractivity from Migrated Seismic Profiles. <i>Pure and Applied Geophysics</i> , 0, , 1.	1.9	0