

Chao Song

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

494
citations

759233

12
h-index

839539

18
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30
all docs

30
docs citations

30
times ranked

207
citing authors

#	ARTICLE	IF	CITATIONS
1	Solving the frequency-domain acoustic VTI wave equation using physics-informed neural networks. <i>Geophysical Journal International</i> , 2021, 225, 846-859.	2.4	83
2	PINNeik: Eikonal solution using physics-informed neural networks. <i>Computers and Geosciences</i> , 2021, 155, 104833.	4.2	68
3	Random noise de-noising and direct wave eliminating based on SVD method for ground penetrating radar signals. <i>Journal of Applied Geophysics</i> , 2017, 144, 125-133.	2.1	39
4	A versatile framework to solve the Helmholtz equation using physics-informed neural networks. <i>Geophysical Journal International</i> , 2021, 228, 1750-1762.	2.4	34
5	Wavefield Reconstruction Inversion via Physics-Informed Neural Networks. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-12.	6.3	33
6	Impedance inversion based on L1 norm regularization. <i>Journal of Applied Geophysics</i> , 2015, 120, 7-13.	2.1	30
7	Wavefield solutions from machine learned functions constrained by the Helmholtz equation. <i>Artificial Intelligence in Geosciences</i> , 2021, 2, 11-19.	1.9	26
8	Microseismic event estimation and velocity analysis based on a source-focusing function. <i>Geophysics</i> , 2019, 84, KS85-KS94.	2.6	25
9	Passive seismic event estimation using multiscattering waveform inversion. <i>Geophysics</i> , 2019, 84, KS59-KS69.	2.6	21
10	An efficient wavefield inversion: Using a modified source function in the wave equation. <i>Geophysics</i> , 2019, 84, R909-R922.	2.6	19
11	Efficient Wavefield Inversion With Outer Iterations and Total Variation Constraint. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 5836-5846.	6.3	18
12	Microseismic Event Estimation Based on an Efficient Wavefield Inversion. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2019, 12, 4664-4671.	4.9	16
13	An efficient wavefield inversion for transversely isotropic media with a vertical axis of symmetry. <i>Geophysics</i> , 2020, 85, R195-R206.	2.6	12
14	A modified physics-informed neural network with positional encoding. , 2021, , .		9
15	High-frequency wavefield extrapolation using the Fourier neural operator. <i>Journal of Geophysics and Engineering</i> , 2022, 19, 269-282.	1.4	9
16	Wavefield reconstruction inversion via machine learned functions. , 2020, , .		8
17	Machine learned Green's functions that approximately satisfy the wave equation. , 2020, , .		7
18	Nonstationary filter used in microseismic-source imaging. , 2017, , .		6

#	ARTICLE	IF	CITATIONS
19	Source-independent efficient wavefield inversion. <i>Geophysical Journal International</i> , 2020, 222, 697-714.	2.4	6
20	A reflection-based efficient wavefield inversion. <i>Geophysics</i> , 2021, 86, R497-R508.	2.6	6
21	High-dimensional wavefield solutions based on neural network functions. , 2021, , .		5
22	An efficient wavefield inversion for isotropic elastic media. , 2019, , .		4
23	A new prestack three-parameter amplitude variation with offset inversion method. <i>Journal of Geophysics and Engineering</i> , 2018, 15, 1300-1309.	1.4	3
24	A sequential inversion with outer iterations for the velocity and the intrinsic attenuation using an efficient wavefield inversion. <i>Geophysics</i> , 2020, 85, R447-R459.	2.6	3
25	A holistic approach to computing first-arrival traveltimes using neural networks. , 2022, , 251-278.		2
26	Velocity analysis and event estimation for passive seismic data using source focusing function. , 2018, , .		1
27	Full-waveform inversion with an exponential filter in wavenumber domain. , 2020, , .		1
28	Efficient wavefield inversion in acoustic VTI media applied to field data. , 2019, , .		0
29	Micro-seismic event estimation using an efficient wavefield inversion method. , 2019, , .		0
30	A reflection-based efficient wavefield inversion to retrieve a good initial background velocity. , 2020, , .		0