

Peng Jiang

List of Publications by Year in descending order

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25
papers

673
citations

840776

11
h-index

713466

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g-index

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all docs

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25
times ranked

366
citing authors

#	ARTICLE	IF	CITATIONS
1	GPR2Net: A Deep-Neural-Network-Based Ground Penetrating Radar Data Inversion and Object Identification Framework for Consecutive and Long Survey Lines. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-20.	6.3	5
2	Unsupervised Deep Learning for Random Noise Attenuation of Seismic Data. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	3.1	13
3	Defect segmentation: Mapping tunnel lining internal defects with ground penetrating radar data using a convolutional neural network. Construction and Building Materials, 2022, 319, 125658.	7.2	18
4	Numerical Simulation and Field Monitoring of Deformation Characteristics of TRD Composite Supporting Structure for Deep Foundation Pit in Quaternary Stratum: A Case Study in Qingdao. Geotechnical and Geological Engineering, 2022, 40, 2691-2703.	1.7	5
5	An extreme gradient boosting technique to estimate TBM penetration rate and prediction platform. Bulletin of Engineering Geology and the Environment, 2022, 81, 1.	3.5	8
6	Deep-learning seismic full-waveform inversion for realistic structural models. Geophysics, 2021, 86, R31-R44.	2.6	56
7	Adaptive Convolution Neural Networks for Electrical Resistivity Inversion. IEEE Sensors Journal, 2021, 21, 2055-2066.	4.7	15
8	Deep Learning-Based Rebar Clutters Removal and Defect Echoes Enhancement in GPR Images. IEEE Access, 2021, 9, 87207-87218.	4.2	13
9	Building Complex Seismic Velocity Models for Deep Learning Inversion. IEEE Access, 2021, 9, 63767-63778.	4.2	15
10	Deep learning inversion of seismic data under various observation setups. IOP Conference Series: Earth and Environmental Science, 2021, 660, 012053.	0.3	1
11	Deep Neural Network-Based Permittivity Inversions for Ground Penetrating Radar Data. IEEE Sensors Journal, 2021, 21, 8172-8183.	4.7	28
12	Seismic data inversion with acquisition adaptive convolutional neural network for geologic forward prospecting in tunnels. Geophysics, 2021, 86, R659-R670.	2.6	8
13	GPRInvNet: Deep Learning-Based Ground-Penetrating Radar Data Inversion for Tunnel Linings. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 8305-8325.	6.3	60
14	Bi-Directional Attention for Joint Instance and Semantic Segmentation in Point Clouds. Lecture Notes in Computer Science, 2021, , 209-226.	1.3	1
15	Scribble-Supervised Semantic Segmentation by Uncertainty Reduction on Neural Representation and Self-Supervision on Neural Eigenspace. , 2021, , .		9
16	Super Diffusion for Salient Object Detection. IEEE Transactions on Image Processing, 2020, 29, 2903-2917.	9.8	10
17	Deep Learning Inversion of Electrical Resistivity Data. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 5715-5728.	6.3	121
18	Deep-Learning Inversion of Seismic Data. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 2135-2149.	6.3	212

#	ARTICLE	IF	CITATIONS
19	Influence of mud shear strength on the stability of a trench cutting re-mixing deep wall during construction. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	1
20	WC2FEst-Net: Wavelet-Based Coarse-to-Fine Head Pose Estimation from a Single Image. <i>Lecture Notes in Computer Science</i> , 2020, , 628-640.	1.3	0
21	A Deep-Learning-Based Multiple Defect Detection Method for Tunnel Lining Damages. <i>IEEE Access</i> , 2019, 7, 182643-182657.	4.2	44
22	Research on Disaster-Control Method of Metro Station in Soft Fluid-Plastic Stratum. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-9.	0.7	2
23	Automatic Recognition of Highway Tunnel Defects Based on an Improved U-Net Model. <i>IEEE Sensors Journal</i> , 2019, 19, 11413-11423.	4.7	24
24	Quality Evaluation and Applicability Analysis of TRD Method in Sand Stratum of Subway Station. <i>Geotechnical and Geological Engineering</i> , 2019, 37, 3013-3023.	1.7	3
25	Deep learning based geophysical inversion. , 2019, , .		1