

Wei Li

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

465
citations

1039406

9
h-index

887659

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18
all docs

18
docs citations

18
times ranked

334
citing authors

#	ARTICLE	IF	CITATIONS
1	CrackU ² Net: A novel deep convolutional neural network for pixelwise pavement crack detection. Structural Control and Health Monitoring, 2020, 27, e2551.	1.9	161
2	Detection of sealed and unsealed cracks with complex backgrounds using deep convolutional neural network. Automation in Construction, 2019, 107, 102946.	4.8	82
3	Study on thermal properties of steel slag asphalt concrete for snow-melting pavement. Journal of Cleaner Production, 2020, 277, 123574.	4.6	46
4	Virtual generation of pavement crack images based on improved deep convolutional generative adversarial network. Engineering Applications of Artificial Intelligence, 2021, 104, 104376.	4.3	39
5	Pavement aggregate shape classification based on extreme gradient boosting. Construction and Building Materials, 2020, 256, 119356.	3.2	27
6	Illumination Compensation Model with <i>k</i> -Means Algorithm for Detection of Pavement Surface Cracks with Shadow. Journal of Computing in Civil Engineering, 2020, 34, .	2.5	24
7	Small Foreign Metal Objects Detection in X-Ray Images of Clothing Products Using Faster R-CNN and Feature Pyramid Network. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	2.4	14
8	Pixelwise asphalt concrete pavement crack detection via deep learning-based semantic segmentation method. Structural Control and Health Monitoring, 2022, 29, .	1.9	13
9	Three-dimensional pavement crack detection based on primary surface profile innovation optimized dual-phase computing. Engineering Applications of Artificial Intelligence, 2020, 89, 103376.	4.3	12
10	International roughness index prediction based on multigranularity fuzzy time series and particle swarm optimization. Expert Systems With Applications: X, 2019, 2, 100006.	4.6	9
11	Prediction model for short-term traffic flow based on a ϵ -means-gated recurrent unit combination. IET Intelligent Transport Systems, 2022, 16, 675-690.	1.7	9
12	Evaluating Angularity of Coarse Aggregates Using the Virtual Cutting Method Based on 3D Point Cloud Images. IEEE Access, 2020, 8, 143241-143255.	2.6	8
13	Image-Based Coarse-Aggregate Angularity Analysis and Evaluation. Journal of Materials in Civil Engineering, 2020, 32, .	1.3	8
14	Pixel-level pavement crack detection using enhanced high-resolution semantic network. International Journal of Pavement Engineering, 2022, 23, 4943-4957.	2.2	8
15	An Improved Cervical Cell Segmentation Method Based on Deep Convolutional Network. Mathematical Problems in Engineering, 2022, 2022, 1-13.	0.6	2
16	Automatic pavement crack detection using multimodal features fusion deep neural network. International Journal of Pavement Engineering, 2023, 24, .	2.2	2
17	A denoising method for pavement 3d data based on breakpoint interpolation and reference plane filtering. Multimedia Tools and Applications, 2021, 80, 20803-20819.	2.6	1
18	Highway Event Detection Algorithm Based on Improved Fast Peak Clustering. Mathematical Problems in Engineering, 2021, 2021, 1-13.	0.6	0