

Mingzhu Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11207559/publications.pdf>

Version: 2024-02-01

20
papers

894
citations

623734

14
h-index

839539

18
g-index

20
all docs

20
docs citations

20
times ranked

450
citing authors

#	ARTICLE	IF	CITATIONS
1	A framework for synthetic image generation and augmentation for improving automatic sewer pipe defect detection. Automation in Construction, 2022, 137, 104213.	9.8	17
2	Mapping and modelling defect data from UAV captured images to BIM for building external wall inspection. Automation in Construction, 2022, 139, 104284.	9.8	38
3	Vision-based monitoring of site safety compliance based on worker re-identification and personal protective equipment classification. Automation in Construction, 2022, 139, 104312.	9.8	24
4	Construction and maintenance of urban underground infrastructure with digital technologies. Automation in Construction, 2022, 141, 104464.	9.8	25
5	Automatic concrete sidewalk deficiency detection and mapping with deep learning. Expert Systems With Applications, 2022, 207, 117980.	7.6	4
6	Construction machine pose prediction considering historical motions and activity attributes using gated recurrent unit (GRU). Automation in Construction, 2021, 121, 103444.	9.8	26
7	Automated sewer pipe defect tracking in CCTV videos based on defect detection and metric learning. Automation in Construction, 2021, 121, 103438.	9.8	33
8	Towards an automated condition assessment framework of underground sewer pipes based on closed-circuit television (CCTV) images. Tunnelling and Underground Space Technology, 2021, 110, 103840.	6.2	37
9	Recognition of pedestrian trajectories and attributes with computer vision and deep learning techniques. Advanced Engineering Informatics, 2021, 49, 101356.	8.0	23
10	Automated semantic segmentation of industrial point clouds using ResPointNet++. Automation in Construction, 2021, 130, 103874.	9.8	43
11	Automatic detection of sewer defects based on improved you only look once algorithm. Automation in Construction, 2021, 131, 103912.	9.8	45
12	Ontology-based modelling of lifecycle underground utility information to support operation and maintenance. Automation in Construction, 2021, 132, 103933.	9.8	11
13	Vision-Based Pose Forecasting of Construction Equipment for Monitoring Construction Site Safety. Lecture Notes in Civil Engineering, 2021, , 1127-1138.	0.4	2
14	Deep Learning-Based Automated Detection of Sewer Defects in CCTV Videos. Journal of Computing in Civil Engineering, 2020, 34, .	4.7	87
15	A unified convolutional neural network integrated with conditional random field for pipe defect segmentation. Computer-Aided Civil and Infrastructure Engineering, 2020, 35, 162-177.	9.8	87
16	Full body pose estimation of construction equipment using computer vision and deep learning techniques. Automation in Construction, 2020, 110, 103016.	9.8	98
17	Severity Assessment of Sewer Pipe Defects in Closed-Circuit Television (CCTV) Images Using Computer Vision Techniques. , 2020, , .		0
18	An integrated underground utility management and decision support based on BIM and GIS. Automation in Construction, 2019, 107, 102931.	9.8	66

#	ARTICLE	IF	CITATIONS
19	Semantic Segmentation of Sewer Pipe Defects Using Deep Dilated Convolutional Neural Network. , 2019, , .		4
20	Automated detection of sewer pipe defects in closed-circuit television images using deep learning techniques. Automation in Construction, 2018, 95, 155-171.	9.8	224