Zujun Yu

List of Publications by Year
in descending order

27 papers	197 citations	1163117 8 h-index	1125743 13 g-index
27 all docs	27 docs citations	27 times ranked	198 citing authors

#	Article	IF	Citations
1	Action Recognition Based on Two-Stream Convolutional Networks With Long-Short-Term Spatiotemporal Features. IEEE Access, 2020, 8, 85284-85293.	4.2	22
2	High-Speed Railway Clearance Intrusion Detection with Improved SSD Network. Applied Sciences (Switzerland), 2019, 9, 2981.	2.5	19
3	An Ultrasonic Guided Wave Mode Selection and Excitation Method in Rail Defect Detection. Applied Sciences (Switzerland), 2019, 9, 1170.	2.5	18
4	Foreground Detection with Deeply Learned Multi-Scale Spatial-Temporal Features. Sensors, 2018, 18, 4269.	3.8	17
5	An Adaptive Track Segmentation Algorithm for a Railway Intrusion Detection System. Sensors, 2019, 19, 2594.	3.8	17
6	High-Speed Railway Intruding Object Image Generating with Generative Adversarial Networks. Sensors, 2019, 19, 3075.	3.8	16
7	Automatic subway tunnel crack detection system based on line scan camera. Structural Control and Health Monitoring, 2021, 28, e2776.	4.0	15
8	Research on a Rail Defect Location Method Based on a Single Mode Extraction Algorithm. Applied Sciences (Switzerland), 2019, 9, 1107.	2.5	13
9	Recognition algorithm for the disengagement of cement asphalt mortar based on dynamic responses of vehicles. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2019, 233, 270-282.	2.0	9
10	Vanishing Point Detection and Rail Segmentation Based on Deep Multi-Task Learning. IEEE Access, 2020, 8, 163015-163025.	4.2	9
11	On the Identification of Elastic Moduli of In-Service Rail by Ultrasonic Guided Waves. Sensors, 2020, 20, 1769.	3.8	8
12	A crack detection system of subway tunnel based on image processing. Measurement and Control, 2022, 55, 164-177.	1.8	8
13	Effects of rail thermal stress on the dynamic response of vehicle and track. Vehicle System Dynamics, 2015, 53, 30-50.	3.7	5
14	Efficient SSD: A Real-Time Intrusion Object Detection Algorithm for Railway Surveillance. , 2020, , .		5
15	Research on tunnel complete profile measurement based on digital photogrammetric technology. , 2011, , .		4
16	Foreground Detection for Infrared Videos With Multiscale 3-D Fully Convolutional Network. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 712-716.	3.1	4
17	A Tunnel Crack Identification Algorithm with Convolutional Neural Networks. , 2018, , .		2
18	Instantaneous position and pose measurements of moving vehicles with applications to railway infrastructure monitoring. , 2009, , .		1

#	Article	IF	Citations
19	Automatic detection of fence completeness for high-speed railway. , 2011, , .		1
20	Research on intrusion clearance detection system for high-speed railway based on binocular stereo vision. , 2011, , .		1
21	Jointless track monitoring system based on Fiber Bragg Grating sensors. , 2012, , .		1
22	The estimation approach of rail thermal stress based on vehicle-track dynamic responses. , 2014, , .		1
23	The Effects of Stress on Second Harmonics in Plate-Like Structures. Applied Sciences (Switzerland), 2020, 10, 5124.	2.5	1
24	A mosaic method for large perspective distortion image. , 2012, , .		0
25	Mode confusion for estimating the longitudinal thermal stress of continuously welded rail. , 2016, , .		0
26	Research on Cracks Image Detection System for Subway Tunnel. , 2018, , .		0
27	Real-time double-laser-stripes measurement system for subway tunnel profile based on high-speed vision. , 2015, , .		0