Qiang Li; Qiang Joshua Li

List of Publications by Year
in descending order

29 papers	1,471 citations	840776 11 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	1007 citing authors

#	ARTICLE	IF	CITATIONS
1	Selection of at-grade highway-rail crossings for grade separation. International Journal of Rail Transportation, 2023, 11, 227-247.	2.7	3
2	Performance comparison of warm mix asphalt for plateau area. Road Materials and Pavement Design, 2022, 23, 211-221.	4.0	3
3	Hilbert-Huang transformation (HHT) based texture profile analysis for continuous friction characterisation of pavements. International Journal of Pavement Engineering, 2022, 23, 2074-2082.	4.4	7
4	Laboratory and Field Performance Evaluation of Warm Mix Asphalt Incorporating RAP and RAS. KSCE Journal of Civil Engineering, 2022, 26, 107-119.	1.9	4
5	Integrating Skid Resistance and Safety Benefits into Life Cycle Cost Analysis for Pavement Surface Treatment Selection. Journal of Transportation Engineering Part B: Pavements, 2022, 148, .	1.5	2
6	Nondestructive Bridge Deck Evaluation Using Sub-mm 3D Laser Imaging Technology at Highway Speeds. Journal of Bridge Engineering, 2022, 27, .	2.9	3
7	Statistical Safety Performance Models considering Pavement and Roadway Characteristics. Journal of Advanced Transportation, 2022, 2022, 1-12.	1.7	3
8	Multiresolution analysis of three-dimensional (3D) surface texture for asphalt pavement friction estimation. International Journal of Pavement Engineering, 2021, 22, 1882-1891.	4.4	14
9	Automatic Pavement Type Recognition for Image-Based Pavement Condition Survey Using Convolutional Neural Network. Journal of Computing in Civil Engineering, 2021, 35, .	4.7	19
10	Peridynamics-based simulation of semi-circular bending (SCB) testing. Construction and Building Materials, 2021, 268, 121190.	7.2	9
11	Data envelopment analysis for highway asset investment assessment. Journal of Traffic and Transportation Engineering (English Edition), 2021, 8, 117-128.	4.2	7
12	Change-Point Detection Approaches for Pavement Dynamic Segmentation. Journal of Transportation Engineering Part B: Pavements, 2021, 147, .	1.5	2
13	Enhanced Safety Performance Function for Highway Segments in Oklahoma. Journal of Infrastructure Systems, 2021, 27, .	1.8	3
14	Evaluation of Compression Algorithms for 3D Pavement Image Data. Journal of Infrastructure Systems, 2021, 27, 04021042.	1.8	0
15	Pavement skid resistance as a function of pavement surface and aggregate texture properties. International Journal of Pavement Engineering, 2020, 21, 1159-1169.	4.4	44
16	Pixel-Level Cracking Detection on 3D Asphalt Pavement Images Through Deep-Learning-Based CrackNet-V. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 273-284.	8.0	181
17	Aggregate Characteristics-Based Preventive Maintenance Treatments for Optimized Skid Resistance of Pavements. Transportation Research Record, 2020, 2674, 372-384.	1.9	2
18	Friction-ResNets: Deep Residual Network Architecture for Pavement Skid Resistance Evaluation. Journal of Transportation Engineering Part B: Pavements, 2020, 146, 04020027.	1.5	17

#	Article	IF	Citations
19	Automated Pixel‐Level Pavement Crack Detection on 3D Asphalt Surfaces with a Recurrent Neural Network. Computer-Aided Civil and Infrastructure Engineering, 2019, 34, 213-229.	9.8	194
20	Traffic inputs for pavement ME design using Oklahoma data. International Journal of Pavement Research and Technology, 2019, 12, 154-160.	2.6	6
21	Panel Data Models for Pavement Friction of Major Preventive Maintenance Treatments. International Journal of Geomechanics, 2019, 19, 04019081.	2.7	3
22	Finite Element Method-Based Skid Resistance Simulation Using In-Situ 3D Pavement Surface Texture and Friction Data. Materials, 2019, 12, 3821.	2.9	23
23	Wavelet based macrotexture analysis for pavement friction prediction. KSCE Journal of Civil Engineering, 2018, 22, 117-124.	1.9	39
24	Deep Learning–Based Fully Automated Pavement Crack Detection on 3D Asphalt Surfaces with an Improved CrackNet. Journal of Computing in Civil Engineering, 2018, 32, .	4.7	191
25	Pavement lane marking detection using matched filter. Measurement: Journal of the International Measurement Confederation, 2018, 130, 105-117.	5.0	10
26	Automated Pixel‐Level Pavement Crack Detection on 3D Asphalt Surfaces Using a Deep‐Learning Network. Computer-Aided Civil and Infrastructure Engineering, 2017, 32, 805-819.	9.8	653
27	A Quantitative Rating System for Pollutant Emission Reduction of Asphalt Mixture. Mathematical Problems in Engineering, 2017, 2017, 1-15.	1.1	7
28	Emission Reduction Performance of Modified Hot Mix Asphalt Mixtures. Advances in Materials Science and Engineering, 2017, 2017, 1-11.	1.8	5
29	Network level pavement evaluation with 1 mm 3D survey system. Journal of Traffic and Transportation Engineering (English Edition), 2015, 2, 391-398.	4.2	17