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	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
2	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
3	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
4	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
5	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
6	Wavelet based macrotexture analysis for pavement friction prediction. KSCE Journal of Civil Engineering, 2018, 22, 117-124.	1.9	39
7	Finite Element Method-Based Skid Resistance Simulation Using In-Situ 3D Pavement Surface Texture and Friction Data. Materials, 2019, 12, 3821.	2.9	23
8	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
9	Network level pavement evaluation with 1Âmm 3D survey system. Journal of Traffic and Transportation Engineering (English Edition), 2015, 2, 391-398.	4.2	17
10	Friction-ResNets: Deep Residual Network Architecture for Pavement Skid Resistance Evaluation. Journal of Transportation Engineering Part B: Pavements, 2020, 146, 04020027.	1.5	17
11	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
12	Pavement lane marking detection using matched filter. Measurement: Journal of the International Measurement Confederation, 2018, 130, 105-117.	5.0	10
13	Peridynamics-based simulation of semi-circular bending (SCB) testing. Construction and Building Materials, 2021, 268, 121190.	7.2	9
14	A Quantitative Rating System for Pollutant Emission Reduction of Asphalt Mixture. Mathematical Problems in Engineering, 2017, 2017, 1-15.	1.1	7
15	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
16	Data envelopment analysis for highway asset investment assessment. Journal of Traffic and Transportation Engineering (English Edition), 2021, 8, 117-128.	4.2	7
17	Traffic inputs for pavement ME design using Oklahoma data. International Journal of Pavement Research and Technology, 2019, 12, 154-160.	2.6	6
18	Emission Reduction Performance of Modified Hot Mix Asphalt Mixtures. Advances in Materials Science and Engineering, 2017, 2017, 1-11.	1.8	5

#	Article	IF	Citations
19	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
20	Panel Data Models for Pavement Friction of Major Preventive Maintenance Treatments. International Journal of Geomechanics, 2019, 19, 04019081.	2.7	3
21	Performance comparison of warm mix asphalt for plateau area. Road Materials and Pavement Design, 2022, 23, 211-221.	4.0	3
22	Enhanced Safety Performance Function for Highway Segments in Oklahoma. Journal of Infrastructure Systems, 2021, 27, .	1.8	3
23	Selection of at-grade highway-rail crossings for grade separation. International Journal of Rail Transportation, 2023, 11, 227-247.	2.7	3
24	Nondestructive Bridge Deck Evaluation Using Sub-mm 3D Laser Imaging Technology at Highway Speeds. Journal of Bridge Engineering, 2022, 27, .	2.9	3
25	Statistical Safety Performance Models considering Pavement and Roadway Characteristics. Journal of Advanced Transportation, 2022, 2022, 1-12.	1.7	3
26	Aggregate Characteristics-Based Preventive Maintenance Treatments for Optimized Skid Resistance of Pavements. Transportation Research Record, 2020, 2674, 372-384.	1.9	2
27	Change-Point Detection Approaches for Pavement Dynamic Segmentation. Journal of Transportation Engineering Part B: Pavements, 2021, 147, .	1.5	2
28	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
29	Evaluation of Compression Algorithms for 3D Pavement Image Data. Journal of Infrastructure Systems, 2021, 27, 04021042.	1.8	0