

Liping Liu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

576
citations

14
h-index

21
g-index

57
ext. papers

882
ext. citations

5.1
avg, IF

4.75
L-index

#	Paper	IF	Citations
55	Investigation of microscale aging behavior of asphalt binders using atomic force microscopy. <i>Construction and Building Materials</i> , 2017 , 135, 411-419	6.7	53
54	Ionic liquid tunes microemulsion curvature. <i>Langmuir</i> , 2009 , 25, 2055-9	4	42
53	Dacarbazine-Loaded Hollow Mesoporous Silica Nanoparticles Grafted with Folic Acid for Enhancing Antimetastatic Melanoma Response. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21673-21687	9.5	37
52	Investigation of the influence of crack width on healing properties of asphalt binders at multi-scale levels. <i>Construction and Building Materials</i> , 2016 , 126, 197-205	6.7	36
51	Phosphorus and nitrogen removal by a novel phosphate-accumulating organism, <i>Arthrobacter</i> sp. HHEP5 capable of heterotrophic nitrification-aerobic denitrification: Safety assessment, removal characterization, mechanism exploration and wastewater treatment. <i>Bioresource Technology</i> , 2020 , 312, 123133	11	27
50	Analysis of base bitumen chemical composition and aging behaviors via atomic force microscopy-based infrared spectroscopy. <i>Fuel</i> , 2020 , 264, 116845	7.1	22
49	Facile Strategy to Generate Aligned Polymer Nanofibers: Effects on Cell Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1566-1574	9.5	19
48	High hydrostatic pressure encapsulation of doxorubicin in ferritin nanocages with enhanced efficiency. <i>Journal of Biotechnology</i> , 2017 , 254, 34-42	3.7	18
47	Nanopore-Based Strategy for Sensing of Copper(II) Ion and Real-Time Monitoring of a Click Reaction. <i>ACS Sensors</i> , 2019 , 4, 1323-1328	9.2	18
46	Chemical Composition and Aging Characteristics of Linear SBS Modified Asphalt Binders. <i>Energy & Fuels</i> , 2020 , 34, 4194-4200	4.1	17
45	Comparative analysis of strain-pulse-based loading frequencies for three types of asphalt pavements via field tests with moving truck axle loading. <i>Construction and Building Materials</i> , 2020 , 247, 118519	6.7	17
44	Multi-phase equilibrium microemulsions and synthesis of hierarchically structured calcium carbonate through microemulsion-based routes. <i>Journal of Colloid and Interface Science</i> , 2007 , 306, 154-60	8.3	17
43	A novel double-drum mixing technique for plant hot mix asphalt recycling with high reclaimed asphalt pavement content and rejuvenator. <i>Construction and Building Materials</i> , 2017 , 134, 236-244	6.7	16
42	Critical position of fatigue damage within asphalt pavement considering temperature and strain distribution. <i>International Journal of Pavement Engineering</i> , 2020 , 1-12	2.6	15
41	A new progressed mastic aging method and effect of fillers on SBS modified bitumen aging. <i>Construction and Building Materials</i> , 2020 , 238, 117732	6.7	14
40	Fatigue characteristics of in-service cold recycling mixture with asphalt emulsion and HMA mixture. <i>Construction and Building Materials</i> , 2018 , 192, 704-714	6.7	14
39	A new preparation method and imaging parameters of asphalt binder samples for atomic force microscopy. <i>Construction and Building Materials</i> , 2019 , 205, 622-632	6.7	13

38	Floral transcriptomes reveal gene networks in pineapple floral growth and fruit development. <i>Communications Biology</i> , 2020 , 3, 500	6.7	13
37	Determination of Layer Modulus Master Curve for Steel Deck Pavement using Field-Measured Strain Data. <i>Transportation Research Record</i> , 2019 , 2673, 617-627	1.7	11
36	Unambiguous Discrimination of Multiple Protein Biomarkers by Nanopore Sensing with Double-Stranded DNA-Based Probes. <i>Analytical Chemistry</i> , 2020 , 92, 1730-1737	7.8	11
35	Initiation and Propagation of Top-Down Cracking in Asphalt Pavement. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 774	2.6	10
34	ZnO-based multifunctional nanocomposites to inhibit progression and metastasis of melanoma by eliciting antitumor immunity via immunogenic cell death. <i>Theranostics</i> , 2020 , 10, 11197-11214	12.1	10
33	Development and calibration of shear-based rutting model for asphalt concrete layers. <i>International Journal of Pavement Engineering</i> , 2017 , 18, 937-944	2.6	9
32	ATP binding cassette transporters ABCG1 and ABCG16 affect reproductive development via auxin signalling in Arabidopsis. <i>Plant Journal</i> , 2020 , 102, 1172-1186	6.9	9
31	Genome-Wide Classification and Evolutionary and Functional Analyses of the VQ Family. <i>Tropical Plant Biology</i> , 2019 , 12, 117-131	1.6	8
30	AcoMYB4, an L. MYB Transcription Factor, Functions in Osmotic Stress through Negative Regulation of ABA Signaling. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8
29	Critical response analysis of steel deck pavement based on viscoelastic finite element model. <i>International Journal of Pavement Engineering</i> , 2021 , 22, 307-318	2.6	8
28	Relationships between Asphalt-Layer Moduli under Vehicular Loading and FWD Loading. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04020437	3	8
27	HBI1 acts downstream of ERECTA and SWR1 in regulating inflorescence architecture through the activation of the brassinosteroid and auxin signaling pathways. <i>New Phytologist</i> , 2021 , 229, 414-428	9.8	8
26	Simultaneous aerobic removal of phosphorus and nitrogen by a novel salt-tolerant phosphate-accumulating organism and the application potential in treatment of domestic sewage and aquaculture sewage. <i>Science of the Total Environment</i> , 2021 , 758, 143580	10.2	8
25	Performance-based design of hard asphalt mixtures based on different compaction effort variable. <i>Construction and Building Materials</i> , 2020 , 254, 119240	6.7	7
24	Estimating Tensile and Compressive Moduli of Asphalt Mixture from Indirect Tensile and Four-Point Bending Tests. <i>Journal of Materials in Civil Engineering</i> , 2021 , 33, 04020402	3	6
23	ERECTA signaling regulates plant immune responses via chromatin-mediated promotion of WRKY33 binding to target genes. <i>New Phytologist</i> , 2021 , 230, 737-756	9.8	6
22	Albumin Binding Domain Fusing R/K-X-X-R/K Sequence for Enhancing Tumor Delivery of Doxorubicin. <i>Molecular Pharmaceutics</i> , 2017 , 14, 3739-3749	5.6	5
21	Analysis of parameters affecting asphalt mixture performance and new perspectives on the design parameters. <i>Construction and Building Materials</i> , 2018 , 174, 625-632	6.7	5

20	Bridging the gap between laboratory and field moduli of asphalt layer for pavement design and assessment: A comprehensive loading frequency-based approach. <i>Frontiers of Structural and Civil Engineering</i> ,1	2.5	5
19	Fatigue behaviours of asphalt mixture at different temperatures in four-point bending and indirect tensile fatigue tests. <i>Construction and Building Materials</i> , 2021 , 273, 121675	6.7	4
18	Influence of rejuvenator preheating temperature and recycled mixture curing time on performance of hot recycled mixtures. <i>Construction and Building Materials</i> , 2021 , 295, 123616	6.7	4
17	Genome-Wide Analysis, Characterization, and Expression Profile of the Basic Leucine Zipper Transcription Factor Family in Pineapple. <i>International Journal of Genomics</i> , 2020 , 2020, 3165958	2.5	3
16	Evaluation of Steel Slag Powder as Filler in Hot-Mix Asphalt Mixtures. <i>Advances in Civil Engineering Materials</i> , 2018 , 7, 20170080	0.7	3
15	Genome-wide Identification and Expression Pattern Analysis of the HD-Zip Transcription Factor Family in Pineapple (<i>Ananas Comosus</i>). <i>Tropical Plant Biology</i> , 2021 , 14, 120-131	1.6	3
14	Effects of using different dynamic moduli on predicted asphalt pavement responses in mechanistic pavement design. <i>Road Materials and Pavement Design</i> ,1-17	2.6	2
13	Estimation of Vehicle Speed from Pavement Stress Responses Using Wireless Sensors. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2021 , 147, 04021028	1.4	2
12	Gel permeation chromatography-based method for assessing the properties of binders in reclaimed asphalt pavement mixtures. <i>Construction and Building Materials</i> , 2022 , 316, 126005	6.7	1
11	Two-Step Mixing Process Elaboration of the Hot-Mix Asphalt Mixture Based on Surface Energy Theory. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04020301	3	1
10	Multifunctional CuS- and DOX-loaded AuNR@mSiO platform for combined melanoma therapy with inspired antitumor immunity. <i>Biomaterials Science</i> , 2021 , 9, 4086-4098	7.4	1
9	Nitrogen removal performance, quantitative detection and potential application of a novel aerobic denitrifying strain, <i>Pseudomonas</i> sp. GZWN4 isolated from aquaculture water. <i>Bioprocess and Biosystems Engineering</i> , 2021 , 44, 1237-1251	3.7	1
8	Relating Field Moduli of Asphalt Mixture Layer Under Vehicular Loading and its Dynamic Moduli Under Laboratory Loading. <i>Transportation Research Record</i> ,036119812110444	1.7	1
7	Back-Calculation of the Moduli of Asphalt Pavement Layer Using Accelerated Pavement Testing Data. <i>Lecture Notes in Civil Engineering</i> , 2020 , 379-388	0.3	0
6	Determination of volumetric criteria for designing hard asphalt mixture. <i>Construction and Building Materials</i> , 2021 , 278, 122243	6.7	0
5	Estimation of total fatigue life for in-service asphalt mixture based on accelerated pavement testing and four-point bending beam fatigue tests. <i>Canadian Journal of Civil Engineering</i> , 2019 , 46, 557-568	1.3	0
4	Sulfide removal characteristics, pathways and potential application of a novel chemolithotrophic sulfide-oxidizing strain, <i>Marinobacter</i> sp. SDSWS8.. <i>Environmental Research</i> , 2022 , 212, 113176	7.9	0
3	Shear-Property-Based Design Approach of Asphalt Mixture in Long and Steep Sections Making Togo No. 1 Highway as a Case. <i>Advances in Civil Engineering Materials</i> , 2018 , 7, 20170014	0.7	0

- 2 Research on Design Method for Heavy-Duty Asphalt Pavements and Its Application. *Journal of Testing and Evaluation*, **2012**, 40, 20120160 1
- 1 Closure to Two-Step Mixing Process Elaboration of the Hot-Mix Asphalt Mixture Based on Surface Energy Theory By Liping Liu, Mingchen Li, and Qingbing Lu. *Journal of Materials in Civil Engineering*, **2021**, 33, 07021017 3