Liping Liu

List of Publications by Year in Descending Order

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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	Gel permeation chromatography-based method for assessing the properties of binders in reclaimed asphalt pavement mixtures. *Construction and Building Materials*, **2022**, 316, 126005	6.7	1
54	Sulfide removal characteristics, pathways and potential application of a novel chemolithotrophic sulfide-oxidizing strain, Marinobacter sp. SDSWS8.. *Environmental Research*, **2022**, 212, 113176	7.9	0
53	Determination of volumetric criteria for designing hard asphalt mixture. *Construction and Building Materials*, **2021**, 278, 122243	6.7	0
52	Critical response analysis of steel deck pavement based on viscoelastic finite element model. *International Journal of Pavement Engineering*, **2021**, 22, 307-318	2.6	8
51	Relationships between Asphalt-Layer Moduli under Vehicular Loading and FWD Loading. *Journal of Materials in Civil Engineering*, **2021**, 33, 04020437	3	8
50	HBI1 acts downstream of ERECTA and SWR1 in regulating inflorescence architecture through the activation of the brassinosteroid and auxin signaling pathways. *New Phytologist*, **2021**, 229, 414-428	9.8	8
49	Estimating Tensile and Compressive Moduli of Asphalt Mixture from Indirect Tensile and Four-Point Bending Tests. *Journal of Materials in Civil Engineering*, **2021**, 33, 04020402	3	6
48	Fatigue behaviours of asphalt mixture at different temperatures in four-point bending and indirect tensile fatigue tests. *Construction and Building Materials*, **2021**, 273, 121675	6.7	4
47	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. *Science of the Total Environment*, **2021**, 758, 143580	10.2	8
46	Multifunctional CuS- and DOX-loaded AuNR@mSiO platform for combined melanoma therapy with inspired antitumor immunity. *Biomaterials Science*, **2021**, 9, 4086-4098	7.4	1
45	Genome-wide Identification and Expression Pattern Analysis of the HD-Zip Transcription Factor Family in Pineapple (Ananas Comosus). *Tropical Plant Biology*, **2021**, 14, 120-131	1.6	3
44	ERECTA signaling regulates plant immune responses via chromatin-mediated promotion of WRKY33 binding to target genes. *New Phytologist*, **2021**, 230, 737-756	9.8	6
43	Nitrogen removal performance, quantitative detection and potential application of a novel aerobic denitrifying strain, Pseudomonas sp. GZWN4 isolated from aquaculture water. *Bioprocess and Biosystems Engineering*, **2021**, 44, 1237-1251	3.7	1
42	Influence of rejuvenator preheating temperature and recycled mixture curing time on performance of hot recycled mixtures. *Construction and Building Materials*, **2021**, 295, 123616	6.7	4
41	Estimation of Vehicle Speed from Pavement Stress Responses Using Wireless Sensors. *Journal of Transportation Engineering Part B: Pavements*, **2021**, 147, 04021028	1.4	2
40	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	
39	Performance-based design of hard asphalt mixtures based on different compaction effort variable. *Construction and Building Materials*, **2020**, 254, 119240	6.7	7

38	Genome-Wide Analysis, Characterization, and Expression Profile of the Basic Leucine Zipper Transcription Factor Family in Pineapple. *International Journal of Genomics*, **2020**, 2020, 3165958	2.5	3
37	Phosphorus and nitrogen removal by a novel phosphate-accumulating organism, Arthrobacter sp. HHEP5 capable of heterotrophic nitrification-aerobic denitrification: Safety assessment, removal characterization, mechanism exploration and wastewater treatment. *Bioresource Technology*, **2020**, 312, 123633	11	27
36	Chemical Composition and Aging Characteristics of Linear SBS Modified Asphalt Binders. *Energy & Fuels*, **2020**, 34, 4194-4200	4.1	17
35	Comparative analysis of strain-pulse-based loading frequencies for three types of asphalt pavements via field tests with moving truck axle loading. *Construction and Building Materials*, **2020**, 247, 118519	6.7	17
34	Critical position of fatigue damage within asphalt pavement considering temperature and strain distribution. *International Journal of Pavement Engineering*, **2020**, 1-12	2.6	15
33	ATP binding cassette transporters ABCG1 and ABCG16 affect reproductive development via auxin signalling in Arabidopsis. *Plant Journal*, **2020**, 102, 1172-1186	6.9	9
32	Back-Calculation of the Moduli of Asphalt Pavement Layer Using Accelerated Pavement Testing Data. *Lecture Notes in Civil Engineering*, **2020**, 379-388	0.3	0
31	Analysis of base bitumen chemical composition and aging behaviors via atomic force microscopy-based infrared spectroscopy. *Fuel*, **2020**, 264, 116845	7.1	22
30	Unambiguous Discrimination of Multiple Protein Biomarkers by Nanopore Sensing with Double-Stranded DNA-Based Probes. *Analytical Chemistry*, **2020**, 92, 1730-1737	7.8	11
29	A new progressed mastic aging method and effect of fillers on SBS modified bitumen aging. *Construction and Building Materials*, **2020**, 238, 117732	6.7	14
28	ZnO-based multifunctional nanocomposites to inhibit progression and metastasis of melanoma by eliciting antitumor immunity via immunogenic cell death. *Theranostics*, **2020**, 10, 11197-11214	12.1	10
27	AcoMYB4, an L. MYB Transcription Factor, Functions in Osmotic Stress through Negative Regulation of ABA Signaling. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	8
26	Two-Step Mixing Process Elaboration of the Hot-Mix Asphalt Mixture Based on Surface Energy Theory. *Journal of Materials in Civil Engineering*, **2020**, 32, 04020301	3	1
25	Floral transcriptomes reveal gene networks in pineapple floral growth and fruit development. *Communications Biology*, **2020**, 3, 500	6.7	13
24	Determination of Layer Modulus Master Curve for Steel Deck Pavement using Field-Measured Strain Data. *Transportation Research Record*, **2019**, 2673, 617-627	1.7	11
23	Nanopore-Based Strategy for Sensing of Copper(II) Ion and Real-Time Monitoring of a Click Reaction. *ACS Sensors*, **2019**, 4, 1323-1328	9.2	18
22	Genome-Wide Classification and Evolutionary and Functional Analyses of the VQ Family. *Tropical Plant Biology*, **2019**, 12, 117-131	1.6	8
21	A new preparation method and imaging parameters of asphalt binder samples for atomic force microscopy. *Construction and Building Materials*, **2019**, 205, 622-632	6.7	13

20	Estimation of total fatigue life for in-service asphalt mixture based on accelerated pavement testing and four-point bending beam fatigue tests. *Canadian Journal of Civil Engineering*, **2019**, 46, 557-566	1.2	0
19	Facile Strategy to Generate Aligned Polymer Nanofibers: Effects on Cell Adhesion. *ACS Applied Materials & Interfaces*, **2018**, 10, 1566-1574	9.5	19
18	Analysis of parameters affecting asphalt mixture performance and new perspectives on the design parameters. *Construction and Building Materials*, **2018**, 174, 625-632	6.7	5
17	Initiation and Propagation of Top-Down Cracking in Asphalt Pavement. *Applied Sciences (Switzerland)*, **2018**, 8, 774	2.6	10
16	Evaluation of Steel Slag Powder as Filler in Hot-Mix Asphalt Mixtures. *Advances in Civil Engineering Materials*, **2018**, 7, 20170080	0.7	3
15	Shear-Property-Based Design Approach of Asphalt Mixture in Long and Steep Sections□Taking Togo No. 1 Highway as a Case. *Advances in Civil Engineering Materials*, **2018**, 7, 20170014	0.7	
14	Fatigue characteristics of in-service cold recycling mixture with asphalt emulsion and HMA mixture. *Construction and Building Materials*, **2018**, 192, 704-714	6.7	14
13	Development and calibration of shear-based rutting model for asphalt concrete layers. *International Journal of Pavement Engineering*, **2017**, 18, 937-944	2.6	9
12	Investigation of microscale aging behavior of asphalt binders using atomic force microscopy. *Construction and Building Materials*, **2017**, 135, 411-419	6.7	53
11	High hydrostatic pressure encapsulation of doxorubicin in ferritin nanocages with enhanced efficiency. *Journal of Biotechnology*, **2017**, 254, 34-42	3.7	18
10	Dacarbazine-Loaded Hollow Mesoporous Silica Nanoparticles Grafted with Folic Acid for Enhancing Antimetastatic Melanoma Response. *ACS Applied Materials & Interfaces*, **2017**, 9, 21673-21687	9.5	37
9	A novel double-drum mixing technique for plant hot mix asphalt recycling with high reclaimed asphalt pavement content and rejuvenator. *Construction and Building Materials*, **2017**, 134, 236-244	6.7	16
8	Albumin Binding Domain Fusing R/K-X-X-R/K Sequence for Enhancing Tumor Delivery of Doxorubicin. *Molecular Pharmaceutics*, **2017**, 14, 3739-3749	5.6	5
7	Investigation of the influence of crack width on healing properties of asphalt binders at multi-scale levels. *Construction and Building Materials*, **2016**, 126, 197-205	6.7	36
6	Research on Design Method for Heavy-Duty Asphalt Pavements and Its Application. *Journal of Testing and Evaluation*, **2012**, 40, 20120160	1	
5	Ionic liquid tunes microemulsion curvature. *Langmuir*, **2009**, 25, 2055-9	4	42
4	Multi-phase equilibrium microemulsions and synthesis of hierarchically structured calcium carbonate through microemulsion-based routes. *Journal of Colloid and Interface Science*, **2007**, 306, 154-60	3.3	17
3	Effects of using different dynamic moduli on predicted asphalt pavement responses in mechanistic pavement design. *Road Materials and Pavement Design*,1-17	2.6	2

2	Relating Field Moduli of Asphalt Mixture Layer Under Vehicular Loading and its Dynamic Moduli Under Laboratory Loading. *Transportation Research Record*,036119812110444	1.7	1
1	Bridging the gap between laboratory and field moduli of asphalt layer for pavement design and assessment: A comprehensive loading frequency-based approach. *Frontiers of Structural and Civil Engineering*,1	2.5	5