

Liping Liu

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,199
citations

331642

21
h-index

434170

31
g-index

57
all docs

57
docs citations

57
times ranked

1054
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of microscale aging behavior of asphalt binders using atomic force microscopy. <i>Construction and Building Materials</i> , 2017, 135, 411-419.	7.2	88
2	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, 123633.	9.6	62
3	Analysis of base bitumen chemical composition and aging behaviors via atomic force microscopy-based infrared spectroscopy. <i>Fuel</i> , 2020, 264, 116845.	6.4	61
4	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.	8.0	53
5	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.	7.2	48
6	Chemical Composition and Aging Characteristics of Linear SBS Modified Asphalt Binders. <i>Energy & Fuels</i> , 2020, 34, 4194-4200.	5.1	45
7	Ionic Liquid Tunes Microemulsion Curvature. <i>Langmuir</i> , 2009, 25, 2055-2059.	3.5	43
8	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.	8.0	37
9	Floral transcriptomes reveal gene networks in pineapple floral growth and fruit development. <i>Communications Biology</i> , 2020, 3, 500.	4.4	34
10	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.	7.8	32
11	Facile Strategy to Generate Aligned Polymer Nanofibers: Effects on Cell Adhesion. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1566-1574.	8.0	30
12	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.	7.2	30
13	High hydrostatic pressure encapsulation of doxorubicin in ferritin nanocages with enhanced efficiency. <i>Journal of Biotechnology</i> , 2017, 254, 34-42.	3.8	29
14	Fatigue characteristics of in-service cold recycling mixture with asphalt emulsion and HMA mixture. <i>Construction and Building Materials</i> , 2018, 192, 704-714.	7.2	29
15	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.	10.0	29
16	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> , 2022, 16, 267-280.	2.9	28
17	AcoMYB4, an <i>Ananas comosus</i> L. MYB Transcription Factor, Functions in Osmotic Stress through Negative Regulation of ABA Signaling. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5727.	4.1	27
18	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.	7.2	27

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19	Critical position of fatigue damage within asphalt pavement considering temperature and strain distribution. <i>International Journal of Pavement Engineering</i> , 2021, 22, 1773-1784.	4.4	27
20	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.	7.2	27
21	A new progressed mastic aging method and effect of fillers on SBS modified bitumen aging. <i>Construction and Building Materials</i> , 2020, 238, 117732.	7.2	26
22	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.	7.2	25
23	ATP binding cassette transporters ABCG1 and ABCG16 affect reproductive development via auxin signalling in Arabidopsis. <i>Plant Journal</i> , 2020, 102, 1172-1186.	5.7	25
24	Unambiguous Discrimination of Multiple Protein Biomarkers by Nanopore Sensing with Double-Stranded DNA-Based Probes. <i>Analytical Chemistry</i> , 2020, 92, 1730-1737.	6.5	21
25	Influence of rejuvenator preheating temperature and recycled mixture's curing time on performance of hot recycled mixtures. <i>Construction and Building Materials</i> , 2021, 295, 123616.	7.2	21
26	Determination of Layer Modulus Master Curve for Steel Deck Pavement using Field-Measured Strain Data. <i>Transportation Research Record</i> , 2019, 2673, 617-627.	1.9	20
27	ERECTA signaling regulates plant immune responses via chromatin-mediated promotion of <i>WRKY33</i> binding to target genes. <i>New Phytologist</i> , 2021, 230, 737-756.	7.3	20
28	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, 154-160.	9.4	19
29	HB11 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.	7.3	17
30	Development and calibration of shear-based rutting model for asphalt concrete layers. <i>International Journal of Pavement Engineering</i> , 2017, 18, 937-944.	4.4	15
31	Critical response analysis of steel deck pavement based on viscoelastic finite element model. <i>International Journal of Pavement Engineering</i> , 2021, 22, 307-318.	4.4	15
32	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, .	2.9	15
33	Initiation and Propagation of Top-Down Cracking in Asphalt Pavement. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 774.	2.5	14
34	Relationships between Asphalt-Layer Moduli under Vehicular Loading and FWD Loading. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	2.9	14
35	Genome-Wide Classification and Evolutionary and Functional Analyses of the VQ Family. <i>Tropical Plant Biology</i> , 2019, 12, 117-131.	1.9	13
36	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.	7.2	13

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37	Performance-based design of hard asphalt mixtures based on different compaction effort variable. <i>Construction and Building Materials</i> , 2020, 254, 119240.	7.2	12
38	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.	3.4	11
39	Effects of using different dynamic moduli on predicted asphalt pavement responses in mechanistic pavement design. <i>Road Materials and Pavement Design</i> , 2022, 23, 1860-1876.	4.0	11
40	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, 1-14.	1.6	10
41	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.	7.5	10
42	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.	4.6	9
43	Investigation of the Influence of Aging on the Nanoscale Adhesion of Asphalt from the Perspective of AFM-IR-Based Chemical Properties. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	2.9	8
44	Analysis of parameters affecting asphalt mixture performance and new perspectives on the design parameters. <i>Construction and Building Materials</i> , 2018, 174, 625-632.	7.2	7
45	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, .	2.9	7
46	Estimation of Vehicle Speed from Pavement Stress Responses Using Wireless Sensors. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2021, 147, .	1.5	7
47	Multifunctional CuxS- and DOX-loaded AuNR@mSiO2 platform for combined melanoma therapy with inspired antitumor immunity. <i>Biomaterials Science</i> , 2021, 9, 4086-4098.	5.4	6
48	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, 557-566.	1.3	4
49	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.	1.9	4
50	Determination of volumetric criteria for designing hard asphalt mixture. <i>Construction and Building Materials</i> , 2021, 278, 122243.	7.2	4
51	Evaluation of Steel Slag Powder as Filler in Hot-Mix Asphalt Mixtures. <i>Advances in Civil Engineering Materials</i> , 2018, 7, 20170080.	0.6	3
52	Microscale Property Evaluation of the Interface between Cement Emulsified Asphalt and Aged Asphalt in Emulsified Asphalt Cold Recycled Mixture. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	2.9	3
53	Relating Field Moduli of Asphalt Mixture Layer Under Vehicular Loading and its Dynamic Moduli Under Laboratory Loading. <i>Transportation Research Record</i> , 2022, 2676, 567-579.	1.9	2
54	Back-Calculation of the Moduli of Asphalt Pavement Layer Using Accelerated Pavement Testing Data. <i>Lecture Notes in Civil Engineering</i> , 2020, , 379-388.	0.4	2

#	ARTICLE	IF	CITATIONS
55	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.	2.9	0
56	Research on Design Method for Heavy-Duty Asphalt Pavements and Its Application. Journal of Testing and Evaluation, 2012, 40, 20120160.	0.7	0
57	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, 291-301.	0.6	0