

Baowen Lou

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

651
citations

623734

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610901

24
g-index

27
all docs

27
docs citations

27
times ranked

693
citing authors

#	ARTICLE	IF	CITATIONS
1	Air pollution perception in ten countries during the COVID-19 pandemic. <i>Ambio</i> , 2022, 51, 531-545.	5.5	17
2	Microwave Heating as an Innovative Road Maintenance Technology: Aging Effect on Binder and Feasibility Evaluation. <i>Materials</i> , 2022, 15, 316.	2.9	5
3	Calcium bentonite and sodium bentonite as stabilizers for roads unbound. <i>Cleaner Engineering and Technology</i> , 2022, 6, 100372.	4.0	1
4	Dataset regarding the mechanical properties of roads unbound treated with synthetic fluid based on isoalkane and tall oil. <i>Data in Brief</i> , 2022, 40, 107758.	1.0	0
5	Mechanical properties of roads unbound treated with synthetic fluid based on isoalkane and tall oil. <i>Transportation Geotechnics</i> , 2022, 32, 100701.	4.5	4
6	Dataset regarding calcium bentonite and sodium bentonite as stabilizers for roads unbound. <i>Data in Brief</i> , 2022, 41, 107898.	1.0	1
7	Stabilization of Coarse Aggregates with Traditional and Nontraditional Additives. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	2.9	5
8	Mechanism, rheology and self-healing properties of carbon nanotube modified asphalt. <i>Construction and Building Materials</i> , 2022, 346, 128431.	7.2	22
9	Characterization of asphalt mixture using X-ray computed tomography scan technique after freeze-thaw cycle and microwave heating. <i>Construction and Building Materials</i> , 2022, 346, 128435.	7.2	20
10	Characteristics of void distribution and aggregate degradation of asphalt mixture specimens compacted using field and laboratory methods. <i>Construction and Building Materials</i> , 2021, 270, 121488.	7.2	21
11	Improved microwave heating uniformity and self-healing properties of steel slag asphalt containing ferrite filler. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021, 54, 1.	3.1	16
12	Impact of COVID-19 pandemic on mobility in ten countries and associated perceived risk for all transport modes. <i>PLoS ONE</i> , 2021, 16, e0245886.	2.5	155
13	Dataset regarding the mechanical characterization of sedimentary rocks derived from Svalbard for possible use in local road constructions. <i>Data in Brief</i> , 2021, 34, 106735.	1.0	7
14	The psychological impact of COVID-19 and restrictive measures in the world. <i>Journal of Affective Disorders</i> , 2021, 283, 36-51.	4.1	106
15	Microwave heating properties of steel slag asphalt mixture using a coupled electromagnetic and heat transfer model. <i>Construction and Building Materials</i> , 2021, 291, 123248.	7.2	25
16	Assessment of carbon dioxide emissions during production, construction and use stages of asphalt pavements. <i>Transportation Research Interdisciplinary Perspectives</i> , 2021, 11, 100436.	2.7	10
17	Organosilane and Lignosulfonate Stabilization of Roads Unbound: Performance during a Two-Year Time Span. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-13.	0.7	0
18	Characterization and microwave healing properties of different asphalt mixtures suffered freeze-thaw damage. <i>Journal of Cleaner Production</i> , 2021, 320, 128823.	9.3	26

#	ARTICLE	IF	CITATIONS
19	Survey data regarding perceived air quality in Australia, Brazil, China, Ghana, India, Iran, Italy, Norway, South Africa, United States before and during Covid-19 restrictions. Data in Brief, 2020, 32, 106169.	1.0	15
20	High temperature property and modification mechanism of asphalt containing waste engine oil bottom. Construction and Building Materials, 2020, 261, 119977.	7.2	34
21	A survey dataset to evaluate the changes in mobility and transportation due to COVID-19 travel restrictions in Australia, Brazil, China, Ghana, India, Iran, Italy, Norway, South Africa, United States. Data in Brief, 2020, 33, 106459.	1.0	43
22	Effect of metallic-waste aggregates on microwave self-healing performances of asphalt mixtures. Construction and Building Materials, 2020, 246, 118510.	7.2	43
23	Microwave Absorption Ability of Steel Slag and Road Performance of Asphalt Mixtures Incorporating Steel Slag. Materials, 2020, 13, 663.	2.9	23
24	Effects of pre-curing treatment and chemical accelerators on Portland cement mortars at low temperature (5°C). Construction and Building Materials, 2020, 240, 117893.	7.2	24
25	Design and prospect of new pavement materials for smart road. Chinese Science Bulletin, 2020, 65, 3259-3269.	0.7	8
26	Microstructure characterization of Portland cement pastes influenced by lower curing pressures. Construction and Building Materials, 2019, 227, 116636.	7.2	14
27	Evaluation of microwave aging impact on asphalt mixtures. Road Materials and Pavement Design, 0, , 1-14.	4.0	6