Feng Li

List of Publications by Year
in descending order

18 papers	**527** citations	759233 **12** h-index	839539 **18** g-index
18 all docs	**18** docs citations	**18** times ranked	**350** citing authors

#	Article	IF	Citations
1	Preparation and Characterization of High-Strength Geopolymer Based on BH-1 Lunar Soil Simulant with Low Alkali Content. Engineering, 2021, 7, 1631-1645.	6.7	111
2	Identification of interfacial transition zone in asphalt concrete based on nano-scale metrology techniques. Materials and Design, 2017, 129, 91-102.	7.0	101
3	A review on thermoelectric energy harvesting from asphalt pavement: Configuration, performance and future. Construction and Building Materials, 2019, 228, 116818.	7.2	57
4	A novel approach for pavement texture characterisation using 2D-wavelet decomposition. International Journal of Pavement Engineering, 2022, 23, 1851-1866.	4.4	46
5	Recycling and utilization assessment of steel slag in metakaolin based geopolymer from steel slag by-product to green geopolymer. Construction and Building Materials, 2021, 305, 124654.	7.2	34
6	Preparation, characterization and rheological analysis of eco-friendly road geopolymer grouting materials based on volcanic ash and metakaolin. Journal of Cleaner Production, 2021, 312, 127822.	9.3	27
7	Failure of the Asphalt–Aggregate Interface under Tensile Stress: Insight from Molecular Dynamics. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	24
8	Preparation and evaluation of geopolymer based on BH-2 lunar regolith simulant under lunar surface temperature and vacuum condition. Acta Astronautica, 2021, 189, 90-98.	3.2	22
9	Low-temperature organic phase change material microcapsules for asphalt pavement: preparation, characterisation and application. Journal of Microencapsulation, 2018, 35, 635-642.	2.8	20
10	Synthesis and characterization of geopolymer from lunar regolith simulant based on natural volcanic scoria. Chinese Journal of Aeronautics, 2022, 35, 144-159.	5.3	20
11	Upcycling of natural volcanic resources for geopolymer: Comparative study on synthesis, reaction mechanism and rheological behavior. Construction and Building Materials, 2021, 268, 121184.	7.2	19
12	Rapid pavement aggregate gradation estimation based on 3D data using a multi-feature fusion network. Automation in Construction, 2022, 134, 104050.	9.8	18
13	Automated detection and classification of spilled loads on freeways based on improved YOLO network. Machine Vision and Applications, 2021, 32, 1.	2.7	10
14	Preparation of geopolymer based on lunar regolith simulant at in-situ lunar temperature and its durability under lunar high and cryogenic temperature. Construction and Building Materials, 2022, 318, 126033.	7.2	8
15	Experimental Study on Heat-Reflective Epoxy Coatings Containing Nano-TiO2 for Asphalt Pavement Resistance to High-Temperature Diseases and CO/HC Emissions. Journal of Testing and Evaluation, 2019, 47, 2765-2775.	0.7	5
16	A Rhodamine Derivative Based Chemosensor with High Selectivity and Quick Respond to Cr3+ in Aqueous Solution. Journal of Fluorescence, 2018, 28, 809-814.	2.5	2
17	Preparation and rheological performance analysis of volcanic ash and metakaolin based geopolymer grouting materials. Road Materials and Pavement Design, 2023, 24, 1614-1635.	4.0	2
18	Decomposition of Vehicle Exhaust on Pavement with Nanotitanium Oxide and Promoting Function of Pyroelectric Materials. Journal of Testing and Evaluation, 2020, 48, 3429-3449.	0.7	1