

Alireza Sassani

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

701
citations

687363

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times ranked

432
citing authors

#	ARTICLE	IF	CITATIONS
1	Zinc Slag as a Partial or Total Replacement for Mineral Filler in Warm Mix Asphalt and Its Effects on Self-Healing Capacity and Performance Characteristics. <i>Materials</i> , 2022, 15, 736.	2.9	10
2	Developing Pavement Marking Management Systems: A Theoretical Model Framework Based on the Experiences of the US Transportation Agencies. <i>Infrastructures</i> , 2021, 6, 18.	2.8	7
3	Microwave Induction Heating of Polymer-Modified Asphalt Materials for Self-Healing and Deicing. <i>Sustainability</i> , 2021, 13, 10129.	3.2	15
4	Polyurethane-carbon microfiber composite coating for electrical heating of concrete pavement surfaces. <i>Heliyon</i> , 2019, 5, e02359.	3.2	17
5	Electrically conductive asphalt concrete: An alternative for automating the winter maintenance operations of transportation infrastructure. <i>Composites Part B: Engineering</i> , 2019, 173, 106985.	12.0	53
6	Comparison between cement paste and asphalt mastic modified by carbonaceous materials: Electrical and thermal properties. <i>Construction and Building Materials</i> , 2019, 213, 121-130.	7.2	17
7	Multi-objective Bayesian optimization of super hydrophobic coatings on asphalt concrete surfaces. <i>Journal of Computational Design and Engineering</i> , 2019, 6, 693-704.	3.1	15
8	Development of Carbon Fiber-modified Electrically Conductive Concrete for Implementation in Des Moines International Airport. <i>Case Studies in Construction Materials</i> , 2018, 8, 277-291.	1.7	50
9	Energy and thermal performance evaluation of an automated snow and ice removal system at airports using numerical modeling and field measurements. <i>Sustainable Cities and Society</i> , 2018, 43, 238-250.	10.4	25
10	Carbon fiber-based electrically conductive concrete for salt-free deicing of pavements. <i>Journal of Cleaner Production</i> , 2018, 203, 799-809.	9.3	121
11	Towards resilient infrastructure systems for winter weather events: Integrated stochastic economic evaluation of electrically conductive heated airfield pavements. <i>Sustainable Cities and Society</i> , 2018, 41, 195-204.	10.4	27
12	Investigating the Heat Generation Efficiency of Electrically-Conductive Asphalt Mastic Using Infrared Thermal Imaging. , 2018, , .		2
13	Electrically-conductive asphalt mastic: Temperature dependence and heating efficiency. <i>Materials and Design</i> , 2018, 157, 303-313.	7.0	48
14	Superhydrophobic coatings on Portland cement concrete surfaces. <i>Construction and Building Materials</i> , 2017, 141, 393-401.	7.2	103
15	Configuration of Electrodes for Electrically Conductive Concrete Heated Pavement Systems. , 2017, , .		7
16	Influence of mix design variables on engineering properties of carbon fiber-modified electrically conductive concrete. <i>Construction and Building Materials</i> , 2017, 152, 168-181.	7.2	94
17	Influence of Deicing Salts on the Water-Repellency of Portland Cement Concrete Coated with Polytetrafluoroethylene and Polyetheretherketone. , 2017, , .		5
18	Superhydrophobic Coatings on Asphalt Concrete Surfaces: Toward Smart Solutions for Winter Pavement Maintenance. <i>Transportation Research Record</i> , 2016, 2551, 10-17.	1.9	70

#	ARTICLE	IF	CITATIONS
19	Fabrication of Polytetrafluoroethylene-Coated Asphalt Concrete Biomimetic Surfaces: A Nanomaterials-Based Pavement Winter Maintenance Approach. , 2016, , .		9
20	Innovative Nano-engineered Asphalt Concrete for Ice and Snow Controls in Pavement Systems. , 0, , .		6