

Alireza Sassani

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6290705/publications.pdf>

Version: 2024-02-01

20
papers

701
citations

687363

13
h-index

996975

15
g-index

20
all docs

20
docs citations

20
times ranked

432
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon fiber-based electrically conductive concrete for salt-free deicing of pavements. Journal of Cleaner Production, 2018, 203, 799-809.	9.3	121
2	Superhydrophobic coatings on Portland cement concrete surfaces. Construction and Building Materials, 2017, 141, 393-401.	7.2	103
3	Influence of mix design variables on engineering properties of carbon fiber-modified electrically conductive concrete. Construction and Building Materials, 2017, 152, 168-181.	7.2	94
4	Superhydrophobic Coatings on Asphalt Concrete Surfaces: Toward Smart Solutions for Winter Pavement Maintenance. Transportation Research Record, 2016, 2551, 10-17.	1.9	70
5	Electrically conductive asphalt concrete: An alternative for automating the winter maintenance operations of transportation infrastructure. Composites Part B: Engineering, 2019, 173, 106985.	12.0	53
6	Development of Carbon Fiber-modified Electrically Conductive Concrete for Implementation in Des Moines International Airport. Case Studies in Construction Materials, 2018, 8, 277-291.	1.7	50
7	Electrically-conductive asphalt mastic: Temperature dependence and heating efficiency. Materials and Design, 2018, 157, 303-313.	7.0	48
8	Towards resilient infrastructure systems for winter weather events: Integrated stochastic economic evaluation of electrically conductive heated airfield pavements. Sustainable Cities and Society, 2018, 41, 195-204.	10.4	27
9	Energy and thermal performance evaluation of an automated snow and ice removal system at airports using numerical modeling and field measurements. Sustainable Cities and Society, 2018, 43, 238-250.	10.4	25
10	Polyurethane-carbon microfiber composite coating for electrical heating of concrete pavement surfaces. Heliyon, 2019, 5, e02359.	3.2	17
11	Comparison between cement paste and asphalt mastic modified by carbonaceous materials: Electrical and thermal properties. Construction and Building Materials, 2019, 213, 121-130.	7.2	17
12	Multi-objective Bayesian optimization of super hydrophobic coatings on asphalt concrete surfaces. Journal of Computational Design and Engineering, 2019, 6, 693-704.	3.1	15
13	Microwave Induction Heating of Polymer-Modified Asphalt Materials for Self-Healing and Deicing. Sustainability, 2021, 13, 10129.	3.2	15
14	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. Materials, 2022, 15, 736.	2.9	10
15	Fabrication of Polytetrafluoroethylene-Coated Asphalt Concrete Biomimetic Surfaces: A Nanomaterials-Based Pavement Winter Maintenance Approach. , 2016, , .		9
16	Configuration of Electrodes for Electrically Conductive Concrete Heated Pavement Systems. , 2017, , .		7
17	Developing Pavement Marking Management Systems: A Theoretical Model Framework Based on the Experiences of the US Transportation Agencies. Infrastructures, 2021, 6, 18.	2.8	7
18	Innovative Nano-engineered Asphalt Concrete for Ice and Snow Controls in Pavement Systems. , 0, , .		6

#	ARTICLE	IF	CITATIONS
19	Influence of Deicing Salts on the Water-Repellency of Portland Cement Concrete Coated with Polytetrafluoroethylene and Polyetheretherketone. , 2017, , .		5
20	Investigating the Heat Generation Efficiency of Electrically-Conductive Asphalt Mastic Using Infrared Thermal Imaging. , 2018, , .		2