

Peter C Taylor

List of Publications by Year in descending order

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18
papers

578
citations

759233

12
h-index

1058476

14
g-index

18
all docs

18
docs citations

18
times ranked

369
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	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
5	System Requirements for Electrically Conductive Concrete Heated Pavements. Transportation Research Record, 2016, 2569, 70-79.	1.9	35
6	A review of electrically conductive concrete heated pavement system technology: From the laboratory to the full-scale implementation. Construction and Building Materials, 2022, 329, 127139.	7.2	35
7	Design and Full-scale Implementation of the Largest Operational Electrically Conductive Concrete Heated Pavement System. Construction and Building Materials, 2020, 255, 119229.	7.2	31
8	Design and Construction of the World's First Full-Scale Electrically Conductive Concrete Heated Airport Pavement System at a U.S. Airport. Transportation Research Record, 2018, 2672, 82-94.	1.9	18
9	Polyurethane-carbon microfiber composite coating for electrical heating of concrete pavement surfaces. Heliyon, 2019, 5, e02359.	3.2	17
10	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
11	Life cycle assessment of heated apron pavement system operations. Transportation Research, Part D: Transport and Environment, 2016, 48, 316-331.	6.8	14
12	Investigation of Approaches for Improving Interfacial Transition Zone-Related Freezing-and-Thawing Resistance in Concrete Pavements. ACI Materials Journal, 2015, 112, .	0.2	12
13	Integrated stochastic life cycle benefit cost analysis of hydronically-heated apron pavement system. Journal of Cleaner Production, 2019, 224, 994-1003.	9.3	9
14	Configuration of Electrodes for Electrically Conductive Concrete Heated Pavement Systems. , 2017, , .		7
15	A case study of evaluating joint performance in relation with subsurface permeability in cold weather region. Cold Regions Science and Technology, 2015, 110, 19-25.	3.5	6
16	Influence of Deicing Salts on the Water-Repellency of Portland Cement Concrete Coated with Polytetrafluoroethylene and Polyetheretherketone. , 2017, , .		5
17	Hydronic Heated Pavement System Using Precast Concrete Pavement for Airport Applications. , 2018, , .		3
18	Construction Techniques for Electrically Conductive Heated Pavement Systems. , 2018, , .		1