

# Peter C Taylor

## List of Publications by Year in descending order

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Version: 2024-02-01

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	A review of electrically conductive concrete heated pavement system technology: From the laboratory to the full-scale implementation. <i>Construction and Building Materials</i> , 2022, 329, 127139.	7.2	35
2	Design and Full-scale Implementation of the Largest Operational Electrically Conductive Concrete Heated Pavement System. <i>Construction and Building Materials</i> , 2020, 255, 119229.	7.2	31
3	Polyurethane-carbon microfiber composite coating for electrical heating of concrete pavement surfaces. <i>Heliyon</i> , 2019, 5, e02359.	3.2	17
4	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
5	Integrated stochastic life cycle benefit cost analysis of hydronically-heated apron pavement system. <i>Journal of Cleaner Production</i> , 2019, 224, 994-1003.	9.3	9
6	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
7	Design and Construction of the World's First Full-Scale Electrically Conductive Concrete Heated Airport Pavement System at a U.S. Airport. <i>Transportation Research Record</i> , 2018, 2672, 82-94.	1.9	18
8	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
9	Construction Techniques for Electrically Conductive Heated Pavement Systems. , 2018, , .		1
10	Hydronic Heated Pavement System Using Precast Concrete Pavement for Airport Applications. , 2018, , .		3
11	Superhydrophobic coatings on Portland cement concrete surfaces. <i>Construction and Building Materials</i> , 2017, 141, 393-401.	7.2	103
12	Configuration of Electrodes for Electrically Conductive Concrete Heated Pavement Systems. , 2017, , .		7
13	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
14	Influence of Deicing Salts on the Water-Repellency of Portland Cement Concrete Coated with Polytetrafluoroethylene and Polyetheretherketone. , 2017, , .		5
15	Life cycle assessment of heated apron pavement system operations. <i>Transportation Research, Part D: Transport and Environment</i> , 2016, 48, 316-331.	6.8	14
16	System Requirements for Electrically Conductive Concrete Heated Pavements. <i>Transportation Research Record</i> , 2016, 2569, 70-79.	1.9	35
17	A case study of evaluating joint performance in relation with subsurface permeability in cold weather region. <i>Cold Regions Science and Technology</i> , 2015, 110, 19-25.	3.5	6
18	Investigation of Approaches for Improving Interfacial Transition Zone-Related Freezing-and-Thawing Resistance in Concrete Pavements. <i>ACI Materials Journal</i> , 2015, 112, .	0.2	12