

Kamal Hossain

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

342
citations

1039406

9
h-index

839053

18
g-index

29
all docs

29
docs citations

29
times ranked

261
citing authors

#	ARTICLE	IF	CITATIONS
1	Waste cooking oil as an asphalt rejuvenator: A state-of-the-art review. <i>Construction and Building Materials</i> , 2020, 230, 116985.	3.2	116
2	Effects of Aging and Rejuvenation on Surface-Free Energy Measurements and Adhesion of Asphalt Mixtures. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	1.3	31
3	Connected and Autonomous Vehicles and Infrastructures: A Literature Review. <i>International Journal of Pavement Research and Technology</i> , 2023, 16, 264-284.	1.3	23
4	Assessing Climate Change Impact on Asphalt Binder Grade Selection and its Implications. <i>Transportation Research Record</i> , 2021, 2675, 786-799.	1.0	17
5	Simulation of autonomous truck for minimizing asphalt pavement distresses. <i>Road Materials and Pavement Design</i> , 2022, 23, 1266-1286.	2.0	15
6	Effect of long-term ageing on the rheological properties of rejuvenated asphalt binder. <i>Road Materials and Pavement Design</i> , 2021, 22, 1268-1286.	2.0	13
7	Effect of rejuvenator type and dosage on rheological properties of short-term aged binders. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021, 54, 1.	1.3	13
8	Total Recycled Asphalt Mixes: Characteristics and Field Performance. <i>Transportation Research Record</i> , 2019, 2673, 149-162.	1.0	12
9	A systematic approach to estimate global warming potential from pavement vehicle interaction using Canadian Long-Term Pavement Performance data. <i>Journal of Cleaner Production</i> , 2020, 273, 123106.	4.6	11
10	Climate Change Adaptation Strategies for Canadian Asphalt Pavements; Part 1: Adaptation strategies. <i>Journal of Cleaner Production</i> , 2022, 363, 132313.	4.6	11
11	Chemical, Morphological, and Fundamental Properties of Rejuvenated Asphalt Binders. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	1.3	9
12	Impact of autonomous truck implementation: rutting and highway safety perspectives. <i>Road Materials and Pavement Design</i> , 2022, 23, 2205-2226.	2.0	9
13	Climate change impact and adaptation for highway asphalt pavements: a literature review. <i>Canadian Journal of Civil Engineering</i> , 2022, 49, 1109-1120.	0.7	8
14	Potential application of over-burnt brick and fly ash for sustainable inverted pavement structure. <i>Construction and Building Materials</i> , 2022, 345, 128298.	3.2	7
15	A model to predict creep compliance of asphalt mixtures containing recycled materials. <i>Construction and Building Materials</i> , 2018, 184, 374-381.	3.2	6
16	A mechanistic and economic analysis of two-lift concrete pavements. <i>Road Materials and Pavement Design</i> , 2021, 22, 293-311.	2.0	6
17	Modeling Pavement Performance Indices in Harsh Climate Regions. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2021, 147, .	0.8	6
18	A Synthesis of Computational and Experimental Approaches of Evaluating Chemical, Physical, and Mechanistic Properties of Asphalt Binders. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-20.	0.4	5

#	ARTICLE	IF	CITATIONS
19	Life cycle analysis for asphalt pavement in Canadian context: modelling and application. International Journal of Pavement Engineering, 2022, 23, 2606-2620.	2.2	5
20	Performance Evaluation of Fly Ash-Based Inverted Pavement System. Journal of Transportation Engineering Part B: Pavements, 2022, 148, .	0.8	5
21	Towards Development of PCI and IRI Models for Road Networks in the City of St. John's. , 2019, , .		4
22	Asphalt binder selection for future Canadian climatic conditions using various pavement temperature prediction models. Road Materials and Pavement Design, 2023, 24, 447-461.	2.0	4
23	Impact of Asphalt Modifier Dosage on Modified Binder Rheology and Chemistry with Long-Term Aging. , 2019, , .		3
24	An economic approach to road condition assessment using road user feedback: A new model and its application. International Journal of Pavement Engineering, 2023, 24, .	2.2	2
25	Determination of Optimum Salting Rates for Asphalt Pavements in a Canadian Climate. Journal of Cold Regions Engineering - ASCE, 2022, 36, .	0.5	1
26	Characterization of Rejuvenated Asphalt Binders Using FTIR and AFM Techniques. RILEM Bookseries, 2022, , 355-361.	0.2	0
27	Pavement temperature model for Canadian Asphalt Binder selection: Introduction to the CPT model. Road Materials and Pavement Design, 0, , 1-19.	2.0	0
28	An Economic Pavement Management Framework for Extremely Budget- and Resource-Constrained Agencies in Canada. Transportation Research Record, 0, , 036119812210846.	1.0	0