

Aravind Krishna Swamy

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

467
citations

840119

11
h-index

752256

20
g-index

40
all docs

40
docs citations

40
times ranked

435
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuous spectrum approach to evaluate the effect of binder modification and aging. International Journal of Pavement Engineering, 2023, 24, .	2.2	1
2	Prediction of dynamic modulus of asphalt concrete using hybrid machine learning technique. International Journal of Pavement Engineering, 2022, 23, 2083-2098.	2.2	18
3	Systematic error patterns in dynamic modulus predictive models of asphalt concrete. International Journal of Pavement Engineering, 2022, 23, 4049-4064.	2.2	3
4	Time-temperature-dosage superposition approach to predict the complex modulus of asphalt binders. Construction and Building Materials, 2022, 329, 127140.	3.2	6
5	Modelling of expansion ratio and half-life of foamed bitumen using gene expression programming. International Journal of Pavement Engineering, 2021, 22, 369-381.	2.2	4
6	A comprehensive approach to evaluate presence and propagation of uncertainty in asphalt binder mastercurves. International Journal of Pavement Engineering, 2021, 22, 842-857.	2.2	0
7	Use of Bayesian Model Averaging to Estimate Model Uncertainty for Predicting Strain in a Four-Layered Flexible Pavement. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2021, 7, 04021002.	1.1	1
8	SOM-and-GEP-Based Model for the Prediction of Foamed Bitumen Characteristics. Journal of Transportation Engineering Part B: Pavements, 2021, 147, 04021008.	0.8	3
9	Probabilistic approach to characterise laboratory rutting behaviour of asphalt concrete mixtures. International Journal of Pavement Engineering, 2020, 21, 384-396.	2.2	12
10	Impact of Chemical Composition on Foaming Characteristics of Asphalt Binder. Journal of Transportation Engineering Part B: Pavements, 2020, 146, 04020045.	0.8	6
11	Effect of aging level on viscoelastic properties of asphalt binder containing waste polyethylene. International Journal of Sustainable Engineering, 2019, 12, 141-148.	1.9	5
12	Effect of Construction Methodology on Uncertainty in Asphalt Concrete Mastercurves. Journal of Transportation Engineering Part B: Pavements, 2019, 145, 04019021.	0.8	5
13	Probabilistic characterisation of damage characteristic curve of asphalt concrete mixtures. International Journal of Pavement Engineering, 2019, 20, 659-668.	2.2	11
14	Interrelationship between uncompacted void content of aggregates and asphalt concrete properties. Particulate Science and Technology, 2019, 37, 623-631.	1.1	1
15	Use of angle of repose of aggregates as an indicator of asphalt concrete properties. Construction and Building Materials, 2018, 168, 849-857.	3.2	5
16	Viscoelastic properties of recycled asphalt binder containing waste engine oil. Journal of Cleaner Production, 2018, 182, 992-1000.	4.6	101
17	Improving quality control through chance constrained programming: A case study using Bailey method. International Journal of Pavement Research and Technology, 2018, 11, 128-137.	1.3	4
18	Regionalization of rainfall characteristics in India incorporating climatic variables and using self-organizing maps. ISH Journal of Hydraulic Engineering, 2018, 24, 147-156.	1.1	21

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19	Prediction of density and viscosity of bitumen. Petroleum Science and Technology, 2018, 36, 1779-1786.	0.7	4
20	An improved artificial bee colony algorithm for pavement resurfacing problem. International Journal of Pavement Research and Technology, 2018, 11, 509-516.	1.3	15
21	Quantification of Uncertainty in the Master Curves of Viscoelastic Properties of Asphalt Concrete. Advances in Civil Engineering Materials, 2018, 7, 149-162.	0.2	6
22	IMPACT OF RECYCLED ASPHALT PAVEMENT ON PROPERTIES OF FOAMED BITUMINOUS MIXTURES. Baltic Journal of Road and Bridge Engineering, 2018, 13, 14-22.	0.4	9
23	Impact of low viscosity grade bitumen on foaming characteristics. Journal of the South African Institution of Civil Engineering, 2018, 60, 40-52.	0.3	4
24	Effect of HDPEH polymer on viscoelastic properties of SBS modified asphalt. Construction and Building Materials, 2017, 136, 230-236.	3.2	17
25	Properties of asphalt binder and asphalt concrete containing waste polyethylene. Petroleum Science and Technology, 2017, 35, 495-500.	0.7	10
26	Impact of binder on properties of foamed bituminous mixtures. Proceedings of Institution of Civil Engineers: Construction Materials, 2017, 170, 194-204.	0.7	4
27	Gene expression programming-based viscosity-mixing rule for asphalt blends. Petroleum Science and Technology, 2017, 35, 1508-1514.	0.7	0
28	Effect of SBS and HDPH polymer on rheological properties of asphalt. Petroleum Science and Technology, 2016, 34, 1790-1796.	0.7	3
29	A Critical Review of Endurance Limits of Bituminous Mixes for Developing Countries. Transportation Research Procedia, 2016, 17, 438-444.	0.8	1
30	Development of probabilistic fatigue curve for asphalt concrete based on viscoelastic continuum damage mechanics. International Journal of Pavement Research and Technology, 2016, 9, 270-279.	1.3	20
31	Application of Bee Colony Algorithm for Pavement Resurfacing Problem. , 2016, , .		0
32	Reclaimed Waste Materials in Sustainable Pavement Construction. Green Energy and Technology, 2014, , 419-438.	0.4	2
33	Constituent Proportioning in Recycled Asphalt Mix with Multiple RAP Sources. Procedia, Social and Behavioral Sciences, 2013, 104, 21-28.	0.5	4
34	Comparison of fatigue failure criterion in flexural fatigue test. International Journal of Fatigue, 2013, 55, 213-219.	2.8	18
35	Effect of Mode of Loading on Viscoelastic and Damage Properties of Asphalt Concrete. Transportation Research Record, 2012, 2296, 144-152.	1.0	9
36	Continuous relaxation and retardation spectrum method for viscoelastic characterization of asphalt concrete. Mechanics of Time-Dependent Materials, 2012, 16, 287-305.	2.3	38

#	ARTICLE	IF	CITATIONS
37	Impact of RAP on the Volumetric, Stiffness, Strength, and Low-Temperature Properties of HMA. Journal of Materials in Civil Engineering, 2011, 23, 1490-1497.	1.3	13
38	Optimal proportioning for hot recycled mix design under Superpave mix design consideration. Canadian Journal of Civil Engineering, 2009, 36, 1470-1477.	0.7	4
39	Preliminary Constituent Proportioning for Central Plant Hotmix Asphalt Recycling. Journal of Materials in Civil Engineering, 2007, 19, 740-745.	1.3	8
40	Pavement design with central plant hot-mix recycled asphalt mixes. Construction and Building Materials, 2007, 21, 928-936.	3.2	71