

Hasan M Faisal

List of Publications by Year in descending order

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265
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiscale Modeling of Asphalt Concrete and Validation through Instrumented Pavement Section. Transportation Research Record, 2021, 2675, 117-136.	1.9	6
2	Assessment and Modeling of Aging Effect on Asphalt Material Dynamic-Mechanical Properties. Journal of Testing and Evaluation, 2021, 49, 758-782.	0.7	0
3	Laboratory Performance Evaluation of Fine and Coarse-Graded Asphalt Concrete Mix. Journal of Materials in Civil Engineering, 2019, 31, .	2.9	13
4	Identification and Characterization of Asphalt Concrete Phases Using Nanoindentation Creep Analysis. Journal of Transportation Engineering Part B: Pavements, 2019, 145, 04019010.	1.5	1
5	Freeze-thaw effects on fatigue LIFE of hot mix asphalt and creep stiffness of asphalt binder. Cold Regions Science and Technology, 2018, 153, 197-204.	3.5	41
6	Effects of Pores and Oxidative Aging on the Nanomechanical Behavior of Asphalt Concrete. , 2018, , .		0
7	Evaluation of Nanomechanical Properties of Nonaggregate Phase of Asphalt Concrete Using Finite-Element Method. Journal of Materials in Civil Engineering, 2018, 30, .	2.9	6
8	Phase identification and characterization of aging effects in asphaltic materials by nanoindentation testing. Transportation Geotechnics, 2018, 17, 154-164.	4.5	14
9	Evaluating the Effect of High RAP Content on Asphalt Mixtures and Binders Fatigue Behavior. Journal of Testing and Evaluation, 2018, 46, 1749-1761.	0.7	8
10	RAP and the Aging of Asphalt Concrete. , 2017, , .		0
11	Effects of RAP Sources for Performance Testing of Asphalt Concrete. , 2017, , .		2
12	Creep Stiffness Master Curve of Recycled Asphalt Pavement (RAP) Modified Asphalt Binders Based on Binder Beam Rheometer (BBR) Test Data. , 2017, , .		2
13	Measured versus Interconverted Viscoelastic Material Functions of Asphalt Concrete. , 2017, , .		0
14	Effects of pore structure on oxidative aging and related mechanical properties of asphalt concrete. Construction and Building Materials, 2017, 151, 636-641.	7.2	7
15	A Laboratory Evaluation of Aging on the Viscoelastic Material Functions of Asphalt Concrete and Its Binder. , 2017, , .		0
16	Effect of Progressive Aging on the Viscoelastic Material Functions of Asphalt Concrete and its Binder. , 2017, , .		0
17	Fracture Toughness Measurement of Asphalt Concrete by Nanoindentation. , 2017, , .		4
18	Modeling Nanoscale Rheological and Mechanical Properties of Thin Film Asphalt Binder. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
19	Determining effects of moisture in mastic materials using nanoindentation. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 1079-1092.	3.1	17
20	Nanomechanical Evaluation of Vapor-Conditioned and Unconditioned Asphalt. <i>Transportation Research Record</i> , 2015, 2506, 126-136.	1.9	6
21	Finite Element and Mechanical Modeling of Fatigue Behavior of Partial Vapor-Conditioned Viscoelastic Material. , 2015, , .		0
22	Determining temperature and time dependent Poisson's ratio of asphalt concrete using indirect tension test. <i>Fuel</i> , 2015, 146, 119-124.	6.4	34
23	Characterisation and modelling of vapour-conditioned asphalt binders using nanoindentation. <i>International Journal of Pavement Engineering</i> , 2015, 16, 382-396.	4.4	17
24	Nanoindentation Characterization of Moisture Damage in Different Phases of Asphalt Concrete. <i>Advances in Civil Engineering Materials</i> , 2015, 4, 31-46.	0.6	9
25	Nanomechanical Characterization Effect of Mica and Aging on Asphalt Binder. <i>Journal of Materials in Civil Engineering</i> , 2014, 26, 04014063.	2.9	13
26	Nanoindentation Characterization of Asphalt Concrete Aging. <i>Journal of Nanomechanics & Micromechanics</i> , 2014, 4, .	1.4	30
27	Viscoelastic behavior of mastic phase of Asphalt Concrete. , 2014, , 1375-1384.		1
28	Effects of Dwell Time and Loading Rate on the Nanoindentation Behavior of Asphaltic Materials. <i>Journal of Nanomechanics & Micromechanics</i> , 2013, 3, 17-23.	1.4	47
29	Modeling Nanoindentation Creep Behavior of Asphalt Binder. <i>Advances in Civil Engineering Materials</i> , 2013, 2, 20130060.	0.6	7
30	Nanomechanical Characterization Of Asphalt Binder. , 2013, , .		0
31	Nanomechanical Evaluation of Vapor-Conditioned and Unconditioned Asphalt. , 0, .		1
32	EVALUATING THE RELATIONSHIP BETWEEN DYNAMIC SHEAR MODULUS AND NANO SCALE MODULUS OF ASPHALT BINDERS AT DIFFERENT AGING CONDITIONS. <i>International Journal of GEOMATE</i> , 0, , .	0.3	2