

Junan Shen

List of Publications by Year in descending order

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32
papers

1,151
citations

516710

16
h-index

434195

31
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32
all docs

32
docs citations

32
times ranked

859
citing authors

#	ARTICLE	IF	CITATIONS
1	Fatigue Properties of Aged Porous Asphalt Mixtures with an Epoxy Asphalt Binder. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	2.9	9
2	Laboratory evaluation of foamed asphalt mixtures with 100% RAP and rejuvenator. <i>Australian Journal of Civil Engineering</i> , 2021, 19, 46-57.	1.6	2
3	Nanoleveled Mechanism of Rejuvenated Aged Asphalt Binders by Different Rejuvenated Agents. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	2.9	6
4	Multi-scaled properties of asphalt binders extracted from weathered asphalt mixtures. <i>International Journal of Pavement Engineering</i> , 2020, 21, 1651-1661.	4.4	8
5	Examining relationships between properties of weathered asphalt mixtures and nano-sized morphology of their recovered binders. <i>Road Materials and Pavement Design</i> , 2020, 21, 2054-2070.	4.0	3
6	Nonlinear Modeling of Nanoscaled Properties of Asphalt Binders Recovered from Weathered Asphalt Mixtures. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, 04019340.	2.9	3
7	Nonlinear modelling of selected micro- and macro-properties of weathered asphalt mixtures. <i>Construction and Building Materials</i> , 2020, 253, 119097.	7.2	9
8	Examination of physical property degradation due to severe short-term ageing and effect of hydrated lime as antioxidant in asphalt mixture. <i>Road Materials and Pavement Design</i> , 2019, 20, 1638-1652.	4.0	9
9	Nanoscaled Characteristics of Recovered Asphalt Binders from Weathered Asphalt Mixtures. <i>Journal of Testing and Evaluation</i> , 2019, 47, 20180340.	0.7	0
10	Aging of asphalt binders from weathered asphalt mixtures compared with a SHRP process. <i>Construction and Building Materials</i> , 2018, 160, 475-486.	7.2	33
11	Effects of Aggregate Size on the Rutting and Stripping Resistance of Recycled Asphalt Mixtures. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, .	2.9	13
12	Nano-sized morphology of asphalt components separated from weathered asphalt binders. <i>Construction and Building Materials</i> , 2018, 182, 588-596.	7.2	27
13	Nanosized Morphology and Mechanical Properties of Recovered Binders from Weathered Asphalt Mixtures. <i>Journal of Testing and Evaluation</i> , 2018, 46, 2498-2510.	0.7	5
14	Interaction between crumb rubber modifier (CRM) and asphalt binder in dry process. <i>Construction and Building Materials</i> , 2017, 149, 202-206.	7.2	46
15	Fatigue Performance of Rubberized Stone Matrix Asphalt by a Simplified Viscoelastic Continuum Damage Model. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	2.9	17
16	Effect of Weathering on Rubberized Porous European Mixture. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	2.9	13
17	Performance properties of rubberized stone matrix asphalt mixtures produced through different processes. <i>Construction and Building Materials</i> , 2016, 104, 230-234.	7.2	37
18	Performance of porous European mix (PEM) pavements added with crumb rubbers in dry process. <i>International Journal of Pavement Engineering</i> , 2016, 17, 637-646.	4.4	29

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19	Fatigue Performance Evaluation of Rubberized Porous European Mixture by Simplified Viscoelastic Continuum Damage Model. <i>Transportation Research Record</i> , 2015, 2506, 90-99.	1.9	11
20	Changes in Nanoscaled Mechanical and Rheological Properties of Asphalt Binders Caused by Aging. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-6.	2.7	6
21	Effect of cross-linking agent on the properties of asphalt rubber. <i>Construction and Building Materials</i> , 2014, 67, 234-238.	7.2	26
22	Model developments of long-term aged asphalt binders. <i>Construction and Building Materials</i> , 2012, 37, 248-256.	7.2	19
23	Laboratory Evaluation of Moisture Susceptibility of Hot-Mix Asphalt Containing Cementitious Fillers. <i>Journal of Materials in Civil Engineering</i> , 2010, 22, 667-673.	2.9	79
24	Influence of surface area and size of crumb rubber on high temperature properties of crumb rubber modified binders. <i>Construction and Building Materials</i> , 2009, 23, 304-310.	7.2	164
25	Surface area of crumb rubber modifier and its influence on high-temperature viscosity of CRM binders. <i>International Journal of Pavement Engineering</i> , 2009, 10, 375-381.	4.4	31
26	Effects of Rejuvenating Agents on Superpave Mixtures Containing Reclaimed Asphalt Pavement. <i>Journal of Materials in Civil Engineering</i> , 2007, 19, 376-384.	2.9	226
27	HP-GPC Characterization of Rejuvenated Aged CRM Binders. <i>Journal of Materials in Civil Engineering</i> , 2007, 19, 515-522.	2.9	59
28	The effects of rejuvenating agents on recycled aged CRM binders. <i>International Journal of Pavement Engineering</i> , 2005, 6, 273-279.	4.4	65
29	The influence of crumb rubber modifier (CRM) microstructures on the high temperature properties of CRM binders. <i>International Journal of Pavement Engineering</i> , 2005, 6, 265-271.	4.4	112
30	Validation of Performance-based Method for Determining Rejuvenator Content in HMA. <i>International Journal of Pavement Engineering</i> , 2004, 5, 103-109.	4.4	15
31	Determining Rejuvenator Content for Recycling Reclaimed Asphalt Pavement by SHRP Binder Specifications. <i>International Journal of Pavement Engineering</i> , 2002, 3, 261-268.	4.4	61
32	EVALUATION OF RECYCLED ASPHALTS BY SHRP BINDER SPECIFICATION. <i>Journal of Pavement Engineering</i> Jsce, 2001, 6, 54-60.	0.0	8