Junan Shen

List of Publications by Year
in descending order

32	1,151	516710 16	434195 31
papers	citations	h-index	g-index

32	32	32	859
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effects of Rejuvenating Agents on Superpave Mixtures Containing Reclaimed Asphalt Pavement. Journal of Materials in Civil Engineering, 2007, 19, 376-384.	2.9	226
2	Influence of surface area and size of crumb rubber on high temperature properties of crumb rubber modified binders. Construction and Building Materials, 2009, 23, 304-310.	7.2	164
3	The influence of crumb rubber modifier (CRM) microstructures on the high temperature properties of CRM binders. International Journal of Pavement Engineering, 2005, 6, 265-271.	4.4	112
4	Laboratory Evaluation of Moisture Susceptibility of Hot-Mix Asphalt Containing Cementitious Fillers. Journal of Materials in Civil Engineering, 2010, 22, 667-673.	2.9	79
5	The effects of rejuvenating agents on recycled aged CRM binders. International Journal of Pavement Engineering, 2005, 6, 273-279.	4.4	65
6	Determining Rejuvenator Content for Recycling Reclaimed Asphalt Pavement by SHRP Binder Specifications. International Journal of Pavement Engineering, 2002, 3, 261-268.	4.4	61
7	HP-GPC Characterization of Rejuvenated Aged CRM Binders. Journal of Materials in Civil Engineering, 2007, 19, 515-522.	2.9	59
8	Interaction between crumb rubber modifier (CRM) and asphalt binder in dry process. Construction and Building Materials, 2017, 149, 202-206.	7.2	46
9	Performance properties of rubberized stone matrix asphalt mixtures produced through different processes. Construction and Building Materials, 2016, 104, 230-234.	7.2	37
10	Aging of asphalt binders from weathered asphalt mixtures compared with a SHRP process. Construction and Building Materials, 2018, 160, 475-486.	7.2	33
11	Surface area of crumb rubber modifier and its influence on high-temperature viscosity of CRM binders. International Journal of Pavement Engineering, 2009, 10, 375-381.	4.4	31
12	Performance of porous European mix (PEM) pavements added with crumb rubbers in dry process. International Journal of Pavement Engineering, 2016, 17, 637-646.	4.4	29
13	Nano-sized morphology of asphalt components separated from weathered asphalt binders. Construction and Building Materials, 2018, 182, 588-596.	7.2	27
14	Effect of cross-linking agent on the properties of asphalt rubber. Construction and Building Materials, 2014, 67, 234-238.	7.2	26
15	Model developments of long-term aged asphalt binders. Construction and Building Materials, 2012, 37, 248-256.	7.2	19
16	Fatigue Performance of Rubberized Stone Matrix Asphalt by a Simplified Viscoelastic Continuum Damage Model. Journal of Materials in Civil Engineering, 2016, 28, .	2.9	17
17	Validation of Performance-based Method for Determining Rejuvenator Content in HMA. International Journal of Pavement Engineering, 2004, 5, 103-109.	4.4	15
18	Effect of Weathering on Rubberized Porous European Mixture. Journal of Materials in Civil Engineering, 2016, 28, .	2.9	13

#	Article	IF	Citations
19	Effects of Aggregate Size on the Rutting and Stripping Resistance of Recycled Asphalt Mixtures. Journal of Materials in Civil Engineering, 2018, 30, .	2.9	13
20	Fatigue Performance Evaluation of Rubberized Porous European Mixture by Simplified Viscoelastic Continuum Damage Model. Transportation Research Record, 2015, 2506, 90-99.	1.9	11
21	Examination of physical property degradation due to severe short-term ageing and effect of hydrated lime as antioxidant in asphalt mixture. Road Materials and Pavement Design, 2019, 20, 1638-1652.	4.0	9
22	Nonlinear modelling of selected micro- and macro-properties of weathered asphalt mixtures. Construction and Building Materials, 2020, 253, 119097.	7.2	9
23	Fatigue Properties of Aged Porous Asphalt Mixtures with an Epoxy Asphalt Binder. Journal of Materials in Civil Engineering, 2022, 34, .	2.9	9
24	EVALUATION OF RECYCLED ASPHALTS BY SHRP BINDER SPECIFICATION. Journal of Pavement Engineering Jsce, 2001, 6, 54-60.	0.0	8
25	Multi-scaled properties of asphalt binders extracted from weathered asphalt mixtures. International Journal of Pavement Engineering, 2020, 21, 1651-1661.	4.4	8
26	Changes in Nanoscaled Mechanical and Rheological Properties of Asphalt Binders Caused by Aging. Journal of Nanomaterials, 2015, 2015, 1-6.	2.7	6
27	Nanoleveled Mechanism of Rejuvenated Aged Asphalt Binders by Different Rejuvenated Agents. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	6
28	Nanosized Morphology and Mechanical Properties of Recovered Binders from Weathered Asphalt Mixtures. Journal of Testing and Evaluation, 2018, 46, 2498-2510.	0.7	5
29	Examining relationships between properties of weathered asphalt mixtures and nano-sized morphology of their recovered binders. Road Materials and Pavement Design, 2020, 21, 2054-2070.	4.0	3
30	Nonlinear Modeling of Nanoscaled Properties of Asphalt Binders Recovered from Weathered Asphalt Mixtures. Journal of Materials in Civil Engineering, 2020, 32, 04019340.	2.9	3
31	Laboratory evaluation of foamed asphalt mixtures with 100% RAP and rejuvenator. Australian Journal of Civil Engineering, 2021, 19, 46-57.	1.6	2
32	Nanoscaled Characteristics of Recovered Asphalt Binders from Weathered Asphalt Mixtures. Journal of Testing and Evaluation, 2019, 47, 20180340.	0.7	0