

# Di Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

739  
citations

489802

18  
h-index

620720

26  
g-index

51  
all docs

51  
docs citations

51  
times ranked

473  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of low-temperature fracture and strength properties of asphalt mixture obtained from IDT and SCB under different testing configurations. Road Materials and Pavement Design, 2018, 19, 591-604.	2.0	67
2	New innovations in pavement materials and engineering: A review on pavement engineering research 2021. Journal of Traffic and Transportation Engineering (English Edition), 2021, 8, 815-999.	2.0	59
3	Investigation on the effect of physical hardening and aging temperature on low-temperature rheological properties of asphalt binder. Road Materials and Pavement Design, 2021, 22, 1117-1139.	2.0	41
4	Benchmarking road safety performance: Identifying a meaningful reference (best-in-class). Accident Analysis and Prevention, 2016, 86, 76-89.	3.0	39
5	Investigation on the combined effect of aging temperatures and cooling medium on rheological properties of asphalt binder based on DSR and BBR. Road Materials and Pavement Design, 2019, 20, S409-S433.	2.0	36
6	Investigation on the effect of high amount of Re-recycled RAP with Warm mix asphalt (WMA) technology. Construction and Building Materials, 2021, 312, 125395.	3.2	32
7	Recommendation of RILEM TC 264 RAP on the evaluation of asphalt recycling agents for hot mix asphalt. Materials and Structures/Materiaux Et Constructions, 2022, 55, 1.	1.3	31
8	Effect of cooling medium on low-temperature properties of asphalt binder. Road Materials and Pavement Design, 2017, 18, 234-255.	2.0	28
9	Low-temperature performance of recycled asphalt mixtures under static and oscillatory loading. Road Materials and Pavement Design, 2017, 18, 297-314.	2.0	28
10	Investigation on the cohesion and adhesion behavior of high-viscosity asphalt binders by bonding tensile testing apparatus. Construction and Building Materials, 2020, 261, 120011.	3.2	27
11	Finite element cohesive fracture modeling of asphalt mixture based on the semi-circular bending (SCB) test and self-affine fractal cracks at low temperatures. Cold Regions Science and Technology, 2020, 169, 102916.	1.6	26
12	Investigation on the low temperature properties of asphalt binder: Glass transition temperature and modulus shift factor. Construction and Building Materials, 2020, 245, 118351.	3.2	25
13	Wearing Course Mixtures Prepared with High Reclaimed Asphalt Pavement Content Modified by Rejuvenators. Transportation Research Record, 2018, 2672, 96-106.	1.0	24
14	Analysis of Impact of Transverse Slope on Hydroplaning Risk Level. Procedia, Social and Behavioral Sciences, 2013, 96, 2310-2319.	0.5	23
15	Artificially prepared Reclaimed Asphalt Pavement (RAP)â€™an experimental investigation on re-recycling. Environmental Science and Pollution Research, 2019, 26, 35620-35628.	2.7	23
16	Mechanical Performance of Asphalt Mortar Containing Hydrated Lime and EAFSS at Low and High Temperatures. Materials, 2017, 10, 743.	1.3	22
17	RILEM TC 252-CMB report: rheological modeling of asphalt binder under different short and long-term aging temperatures. Materials and Structures/Materiaux Et Constructions, 2019, 52, 1.	1.3	22
18	On low temperature binder testing using DSR 4Âˆmm geometry. Materials and Structures/Materiaux Et Constructions, 2019, 52, 1.	1.3	19

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19	An Alternative Experimental Method for Measuring the Low Temperature Rheological Properties of Asphalt Binder by Using 4mm Parallel Plates on Dynamic Shear Rheometer. <i>Transportation Research Record</i> , 2019, 2673, 427-438.	1.0	18
20	Experimental investigation of asphalt mixture containing Linz-Donawitz steel slag. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2017, 4, 372-379.	2.0	17
21	Influence of computation algorithm on the accuracy of rut depth measurement. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2017, 4, 156-164.	2.0	16
22	Experimental investigation on asphalt mixtures prepared with reclaimed asphalt pavement and rejuvenators based on the BTSV method. <i>Road Materials and Pavement Design</i> , 2019, 20, 1695-1708.	2.0	15
23	Investigation on the cooling medium effect in the characterization of asphalt binder with the bending beam rheometer (BBR). <i>Canadian Journal of Civil Engineering</i> , 2018, 45, 594-604.	0.7	14
24	RILEM TC 279 WMR round robin study on waste polyethylene modified bituminous binders: advantages and challenges. <i>Road Materials and Pavement Design</i> , 2023, 24, 311-339.	2.0	11
25	Investigation on the designing method of asphalt emulsion cold recycled mixture based on one-time compaction. <i>Journal of Cleaner Production</i> , 2021, 286, 124958.	4.6	10
26	Investigating the High- and Low-Temperature Performance of Warm Crumb Rubber-Modified Bituminous Binders Using Rheological Tests. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2021, 147, .	0.8	10
27	Investigation on high-temperature performance of waste-based high-viscosity asphalt binders (WHABs) by repeated creep recovery (RCR) test. <i>Canadian Journal of Civil Engineering</i> , 2019, 46, 403-412.	0.7	8
28	A modified rheological model for the dynamic modulus of asphalt mixtures. <i>Canadian Journal of Civil Engineering</i> , 2021, 48, 328-340.	0.7	8
29	Warm Mix Asphalt—A German Case Study. <i>Asphalt Paving Technology: Association of Asphalt Paving Technologists-Proceedings of the Technical Sessions</i> , 2020, .	0.3	7
30	Effect of Aging on the Rheological Properties of Blends of Virgin and Rejuvenated RA Binders. <i>RILEM Bookseries</i> , 2022, , 3-10.	0.2	6
31	Experimental Investigation on Fatigue and Low Temperature Properties of Asphalt Mixtures Designed with Reclaimed Asphalt Pavement and Taconite Aggregate. <i>Transportation Research Record</i> , 2019, 2673, 472-484.	1.0	5
32	Prediction of the Collapse Region Induced by a Concealed Karst Cave above a Deep Highway Tunnel. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-14.	0.4	3
33	Time-Dependent Behavior of Shrinkage Strain for Early Age Concrete Affected by Temperature Variation. <i>Advances in Materials Science and Engineering</i> , 2017, 2017, 1-7.	1.0	2
34	Comparisons of Faulting-Based Pavement Performance Prediction Models. <i>Advances in Materials Science and Engineering</i> , 2017, 2017, 1-9.	1.0	2
35	Application on Grillage Method in Box Girder Bridges. <i>Applied Mechanics and Materials</i> , 0, 438-439, 886-890.	0.2	1
36	Numerical Simulation of the Temperature Field and Deformation of Subgrade for Sunny-Shady Slopes in a Seasonal Frozen Region. <i>Journal of Highway and Transportation Research and Development (English Edition)</i> , 2018, 12, 26-35.	0.2	1

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37	Effect of Different Rheological Models on the Distress Prediction of Composite Pavement. <i>Materials</i> , 2020, 13, 229.	1.3	1
38	Experimental Investigation on Ultraviolet Aging Properties of Silica Nanoparticles-Modified Bitumen. <i>RILEM Bookseries</i> , 2022, , 879-885.	0.2	1
39	A new look at the UK flexible pavement design method. , 2016, , 13-22.		1
40	Effect of foaming water on the rheological properties of foamed asphalt binder and compactability of stabilized RAP in cold recycling. , 2021, , 338-343.		1
41	The Numerical Simulation of Blasting Demolition on the Solid Pier. <i>Applied Mechanics and Materials</i> , 0, 470, 263-266.	0.2	0
42	Quantifying Overall Performance of Highway Design, Construction, and M&R Practices Using ECC & ASL. <i>Advanced Materials Research</i> , 0, 723, 753-760.	0.3	0
43	Multi-Dimensional Indicators Evaluation of Rutting Based on Grey-AHP. , 2014, , .		0
44	Effect of RAP and Binder Properties on Indirect Tensile Strength and Dynamic Modulus of Cold Recycled Foamed Asphalt Mixtures with High RAP Content. <i>RILEM Bookseries</i> , 2022, , 599-605.	0.2	0
45	Investigation on the Combined Effect of Lateral Offset and Transverse Profile Shape on Rut Depth Measurement Accuracy. , 2016, , .		0
46	Feasibility study on a thermoset polymer-coated emulsified warm-mix asphalt mixture. , 2017, , 327-333.		0
47	Experimental Investigation of Performance Properties of Asphalt Mixture Designed with the Re-recycled RAP and EAFSS. <i>Lecture Notes in Civil Engineering</i> , 2020, , 164-173.	0.3	0
48	Evaluation of reflective cracking in composite pavement based on different rheological models. , 2020, , 140-144.		0