

# Martins Zaumanis

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

2,647  
citations

411340  
20  
h-index

274796  
44  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1263  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance properties of high modulus asphalt concrete containing high reclaimed asphalt content and polymer modified binder. International Journal of Pavement Engineering, 2022, 23, 2255-2264.	2.2	23
2	Environmental impact of rejuvenators in asphalt mixtures containing high reclaimed asphalt content. Road Materials and Pavement Design, 2022, 23, 1400-1414.	2.0	11
3	Three indexes to characterise crushing and screening of reclaimed asphalt pavement. International Journal of Pavement Engineering, 2022, 23, 4977-4990.	2.2	6
4	Relationship between colloidal index and chemo-rheological properties of asphalt binders modified by various recycling agents. Construction and Building Materials, 2022, 318, 126161.	3.2	27
5	Rheological and chemical evaluation of aging in 100% reclaimed asphalt mixtures containing rejuvenators. Construction and Building Materials, 2022, 318, 126026.	3.2	24
6	Surface nanomechanical properties of bio-modified reclaimed asphalt binder. Road Materials and Pavement Design, 2021, 22, 1407-1423.	2.0	15
7	Performance Evaluation of Warm Asphalt Mixtures Containing Chemical Additive and Effect of Incorporating High Reclaimed Asphalt Content. Materials, 2021, 14, 3793.	1.3	17
8	Impact of milling machine parameters on the properties of reclaimed asphalt pavement. Construction and Building Materials, 2021, 307, 125114.	3.2	16
9	Comparison of two low-temperature cracking tests for use in performance-based asphalt mixture design. International Journal of Pavement Engineering, 2020, 21, 1461-1469.	2.2	18
10	How not to design 100% recycled asphalt mixture using performance-based tests. Road Materials and Pavement Design, 2020, 21, 1634-1646.	2.0	14
11	Effect of rejuvenator addition location in plant on mechanical and chemical properties of RAP binder. International Journal of Pavement Engineering, 2020, 21, 507-515.	2.2	37
12	Asphalt Binder Laboratory Short-Term Aging: Effective Parameters and New Protocol for Testing. Journal of Materials in Civil Engineering, 2020, 32, .	1.3	12
13	Impact of laboratory mixing procedure on the properties of reclaimed asphalt pavement mixtures. Construction and Building Materials, 2020, 264, 120709.	3.2	19
14	100% recycled high-modulus asphalt concrete mixture design and validation using vehicle simulator. Construction and Building Materials, 2020, 260, 119891.	3.2	18
15	Performance-based design of 100% recycled hot-mix asphalt and validation using traffic load simulator. Journal of Cleaner Production, 2019, 237, 117679.	4.6	37
16	Asphalt Recycling Technologies: A Review on Limitations and Benefits. IOP Conference Series: Materials Science and Engineering, 2019, 660, 012046.	0.3	8
17	Microstructural Investigation of Reclaimed Asphalt Binder with Bio-Based Rejuvenators. RILEM Bookseries, 2019, , 39-43.	0.2	1
18	Determining optimum rejuvenator addition location in asphalt production plant. Construction and Building Materials, 2019, 198, 368-378.	3.2	43

#	ARTICLE	IF	CITATIONS
19	Aging effect on rheology and cracking behaviour of reclaimed binder with bio-based rejuvenators. <i>Journal of Cleaner Production</i> , 2018, 189, 88-97.	4.6	81
20	Performance-based design of asphalt mixtures and review of key parameters. <i>Materials and Design</i> , 2018, 141, 185-201.	3.3	73
21	Effect of ageing on the mechanical and chemical properties of binder from RAP treated with bio-based rejuvenators. <i>Composites Part B: Engineering</i> , 2018, 141, 174-181.	5.9	139
22	How to reduce reclaimed asphalt variability: A full-scale study. <i>Construction and Building Materials</i> , 2018, 188, 546-554.	3.2	38
23	Laboratory Comparison of Rejuvenated 50% Reclaimed Asphalt Pavement Hot-Mix Asphalt with Conventional 20% RAP Mix. <i>Transportation Research Record</i> , 2017, 2633, 69-79.	1.0	20
24	Performance evaluation of high modulus asphalt concrete mixes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 123, 012055.	0.3	3
25	100% Hot Mix Asphalt Recycling: Challenges and Benefits. <i>Transportation Research Procedia</i> , 2016, 14, 3493-3502.	0.8	89
26	Long term monitoring of full scale pavement test section with eight different asphalt wearing courses. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 1817-1828.	1.3	5
27	Hot Mix Asphalt with High RAP Content. <i>Procedia Engineering</i> , 2015, 114, 676-684.	1.2	80
28	Review of very high-content reclaimed asphalt use in plant-produced pavements: state of the art. <i>International Journal of Pavement Engineering</i> , 2015, 16, 39-55.	2.2	265
29	Evaluation of different recycling agents for restoring aged asphalt binder and performance of 100% recycled asphalt. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015, 48, 2475-2488.	1.3	159
30	Performance evaluation of HMAC asphalt concrete mixes. , 2015, , 327-332.		0
31	Adaptation to flooding and mitigating impacts of road construction – a framework to identify practical steps to counter climate change. <i>Baltic Journal of Road and Bridge Engineering</i> , 2015, 10, 346-354.	0.4	2
32	Determining optimum rejuvenator dose for asphalt recycling based on Superpave performance grade specifications. <i>Construction and Building Materials</i> , 2014, 69, 159-166.	3.2	145
33	Warm Mix Asphalt. <i>Green Energy and Technology</i> , 2014, , 309-334.	0.4	23
34	Use of system dynamics for proper conservation and recycling of aggregates for sustainable road construction. <i>Resources, Conservation and Recycling</i> , 2014, 86, 61-73.	5.3	39
35	Rheological, microscopic, and chemical characterization of the rejuvenating effect on asphalt binders. <i>Fuel</i> , 2014, 135, 162-171.	3.4	250
36	Influence of six rejuvenators on the performance properties of Reclaimed Asphalt Pavement (RAP) binder and 100% recycled asphalt mixtures. <i>Construction and Building Materials</i> , 2014, 71, 538-550.	3.2	343

#	ARTICLE	IF	CITATIONS
37	100% recycled hot mix asphalt: A review and analysis. Resources, Conservation and Recycling, 2014, 92, 230-245.	5.3	275
38	Evaluation of Rejuvenator's Effectiveness with Conventional Mix Testing for 100% Reclaimed Asphalt Pavement Mixtures. Transportation Research Record, 2013, 2370, 17-25.	1.0	191
39	Use of Unconventional Aggregates in Hot Mix Asphalt Concrete. Construction Science, 2013, 14, .	0.1	1
40	Finite Element Modeling of Rejuvenator Diffusion in RAP Binder Film " Simulation of Plant Mixing Process. , 2013, , 407-419.		12
41	Performance of asphalt concrete with dolomite sand waste and bof steel slag aggregate. Baltic Journal of Road and Bridge Engineering, 2013, 8, 91-97.	0.4	10
42	Performance Characterization of Bituminous Mixtures with Dolomite Sand Waste and BOF Steel Slag Aggregates. Construction Science, 2012, 13, .	0.1	1
43	Assessing the Potential and Possibilities for the Use of Warm Mix Asphalt in Latvia. Construction Science, 2012, 13, .	0.1	13
44	Performance Based Evaluation on the Use of Different Waste Materials in Asphalt. Procedia, Social and Behavioral Sciences, 2012, 48, 154-162.	0.5	4
45	Development of Calculation Tool for Assessing the Energy Demand of Warm Mix Asphalt. Procedia, Social and Behavioral Sciences, 2012, 48, 163-172.	0.5	17
46	Performance Characterization of Bituminous Mixtures With Dolomite Sand Waste and BOF Steel Slag. Journal of Testing and Evaluation, 2012, 40, 20120187.	0.4	3
47	Laboratory evaluation of organic and chemical warm mix asphalt technologies for SMA asphalt. Baltic Journal of Road and Bridge Engineering, 2012, 7, 191-197.	0.4	18
48	Towards production of 100% recycled asphalt. , 0, , .		2