

# Adam Zofka

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5526174/publications.pdf>

Version: 2024-02-01

55  
papers

974  
citations

471509

17  
h-index

477307

29  
g-index

63  
all docs

63  
docs citations

63  
times ranked

741  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laboratory evaluation of rutting susceptibility of polymer-modified asphalt mixtures containing recycled pavements. <i>Construction and Building Materials</i> , 2012, 31, 58-66.	7.2	79
2	Attenuated Total Reflection (ATR) Fourier Transform Infrared (FT-IR) Spectroscopy of Oxidized Polymer-Modified Bitumens. <i>Applied Spectroscopy</i> , 2011, 65, 765-770.	2.2	73
3	Comprehensive evaluation of low-temperature fracture indices for asphalt mixtures. <i>Road Materials and Pavement Design</i> , 2017, 18, 467-490.	4.0	73
4	Effect of zeolite properties on asphalt foaming. <i>Construction and Building Materials</i> , 2017, 139, 247-255.	7.2	68
5	Correlation between rheology and chemical composition of aged polymer-modified asphalts. <i>Construction and Building Materials</i> , 2014, 62, 109-117.	7.2	56
6	Comparison of Low-Temperature Field Performance and Laboratory Testing of 10 Test Sections in the Midwestern United States. <i>Transportation Research Record</i> , 2009, 2127, 107-114.	1.9	47
7	Advanced shear tester for evaluation of asphalt concrete under constant normal stiffness conditions. <i>Road Materials and Pavement Design</i> , 2015, 16, 187-210.	4.0	40
8	Glass and carbon geogrid reinforcement of asphalt mixtures. <i>Road Materials and Pavement Design</i> , 2017, 18, 471-490.	4.0	39
9	Evaluation of field aging effects on asphalt binder properties. <i>Road Materials and Pavement Design</i> , 2006, 7, 57-73.	4.0	38
10	Mesoporous silica material MCM-41: Novel additive for warm mix asphalts. <i>Construction and Building Materials</i> , 2018, 183, 270-274.	7.2	36
11	Investigation of Asphalt Mixture Creep Compliance at Low Temperatures. <i>Road Materials and Pavement Design</i> , 2008, 9, 269-285.	4.0	35
12	Determination of Asphalt Mixture Creep Compliance at Low Temperatures by Using Thin Beam Specimens. <i>Transportation Research Record</i> , 2008, 2057, 134-139.	1.9	33
13	Evaluation of dynamic modulus of typical asphalt mixtures in Northeast US Region. <i>Road Materials and Pavement Design</i> , 2012, 13, 249-265.	4.0	32
14	Bending beam rheometer testing of asphalt mixtures. <i>International Journal of Pavement Engineering</i> , 2011, 12, 461-474.	4.4	28
15	Alternative Approach for Interpreting Traffic Speed Deflectometer Results. <i>Transportation Research Record</i> , 2014, 2457, 12-18.	1.9	26
16	Evaluation of bitumen fractional composition depending on the crude oil type and production technology. , 2014, , .		26
17	Influence of bitumen chemical composition and ageing on pavement performance. <i>Baltic Journal of Road and Bridge Engineering</i> , 2015, 10, 97-104.	0.8	23
18	Determination of Asphalt Binder Creep Compliance Using Depth-Sensing Indentation. <i>Experimental Mechanics</i> , 2011, 51, 1365-1377.	2.0	21

#	ARTICLE	IF	CITATIONS
19	Warm-Mix Asphalt Pilot Project in Connecticut. <i>Transportation Research Record</i> , 2012, 2294, 106-114.	1.9	16
20	Revising Thermal Stresses in the TSRST for Low-Temperature Cracking Prediction. <i>Journal of Materials in Civil Engineering</i> , 2009, 21, 680-687.	2.9	13
21	Elements of pavement management system: case study. <i>Baltic Journal of Road and Bridge Engineering</i> , 2014, 9, 1-9.	0.8	13
22	Practical overlay design method for geogrid reinforcement of asphalt layers. <i>Road Materials and Pavement Design</i> , 2019, 20, S163-S182.	4.0	11
23	Investigation of Superpave Fine Aggregate Angularity Criterion for Asphalt Concrete. <i>Transportation Research Record</i> , 2007, 1998, 75-81.	1.9	10
24	Investigation of Asphalt Mixture Creep Behavior Using Thin Beam Specimens. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	10
25	Evaluating Applications of Field Spectroscopy Devices to Fingerprint Commonly Used Construction Materials. , 2013, , .		10
26	Interlaboratory study on low temperature asphalt binder testing using Dynamic Shear Rheometer with 4â€‰mm diameter parallel plate geometry. <i>Road Materials and Pavement Design</i> , 2022, 23, 890-906.	4.0	9
27	Exploring the reduction of laboratory testing for the cohesive zone model for asphalt concrete. <i>International Journal of Pavement Engineering</i> , 2012, 13, 350-359.	4.4	8
28	The effect of exposed aggregate concrete gradation on the texture characteristics and durability. <i>Construction and Building Materials</i> , 2020, 261, 119921.	7.2	8
29	Prediction of Asphalt Creep Compliance Using Artificial Neural Networks. <i>Archives of Civil Engineering</i> , 2012, 58, 153-173.	0.7	6
30	Microwave Applicator for Thermal Treatment of Bituminous Surfaces. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2017, 65, 3419-3427.	4.6	6
31	Full-Scale Use of Microwave Heating in Construction of Longitudinal Joints and Crack Healing in Asphalt Pavements. <i>Materials</i> , 2021, 14, 5159.	2.9	6
32	LABORATORY STUDY ON THE INFLUENCE OF CASTING ON PROPERTIES OF ULTRA-HIGH PERFORMANCE FIBRE REINFORCED CONCRETE (UHPRFC) SPECIMENS. <i>Journal of Civil Engineering and Management</i> , 2014, 20, 380-379.	3.5	5
33	The Selected Problems of Multi-layer Pavements â€œ Influence of Composite Impacts Vehicles and Climatic Factors on the Behavior of Roads Pavements. <i>Transportation Research Procedia</i> , 2016, 14, 2487-2496.	1.5	5
34	Proactive pavement asset management with climate change aspects. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 356, 012005.	0.6	5
35	Fatigue performance of asphalt pavements with highly polymer-modified asphalt binders. <i>Road Materials and Pavement Design</i> , 2021, 22, S269-S286.	4.0	5
36	Nanobased rejuvenators for polymer-modified bitumen under long-term ageing conditions. <i>Construction and Building Materials</i> , 2022, 341, 127474.	7.2	5

#	ARTICLE	IF	CITATIONS
37	Comparison of Data Interpretation Procedures for Indirect Tensile Creep Test for Linear Viscoelastic Materials. Road Materials and Pavement Design, 2010, 11, 411-441.	4.0	4
38	GEOGRID REINFORCEMENT OF ASPHALT PAVEMENTS. Baltic Journal of Road and Bridge Engineering, 2017, 12, 181-186.	0.8	4
39	Alternative moisture sensitivity test. , 2014, , .		4
40	Parameter Identification Procedure for Heterogeneous Viscoelastic Composites Using Iterative Functions. Journal of Engineering Mechanics - ASCE, 2010, 136, 849-857.	2.9	3
41	Fingerprinting of Chemical Admixtures in Fresh Portland Cement Concrete by Portable Infrared Spectrometer. Transportation Research Record, 2012, 2290, 1-9.	1.9	3
42	Identification of deep-rooted transverse cracks using Ground Penetrating Radar. IOP Conference Series: Materials Science and Engineering, 2018, 356, 012022.	0.6	3
43	Alternative Procedure for Determination of Hot Mix Asphalt Creep Compliance. Journal of Testing and Evaluation, 2011, 39, 39-49.	0.7	3
44	Laboratory Evaluation of HMA Containing RAP and PMB. , 2010, , .		2
45	Spectroscopic Evaluation of Recycled Asphalt Pavement Materials. , 2012, , .		2
46	High frequency impulse ground penetrating radar application in assessment of interlayer connections. MATEC Web of Conferences, 2018, 163, 02005.	0.2	2
47	Interlaboratory Test to Characterize the Cyclic Behavior of Bituminous Interlayers: An Overview of Testing Equipment and Protocols. RILEM Bookseries, 2022, , 29-36.	0.4	2
48	Machine Learning Technique for Interpretation of Infrared Spectra Measured on Polymer Modified Binders. RILEM Bookseries, 2019, , 281-286.	0.4	2
49	Asphalt Mixture Sensitivity to Water and Frost. RILEM Bookseries, 2016, , 177-188.	0.4	1
50	Pavement noise measurements in Poland. IOP Conference Series: Materials Science and Engineering, 2017, 236, 012103.	0.6	1
51	Performance of long term glass-grid test section in Warsaw. , 2014, , .		1
52	Pavement Assessment Using On-Board Sound Intensity System. , 0, , .		1
53	Comparison of Butt and Notched Wedge Longitudinal Joints Constructed in Connecticut. , 2008, , .		0
54	Application of FT-IR technique to bituminous materials. Budownictwo I Architektura, 2020, 13, 317-324.	0.3	0

#	ARTICLE	IF	CITATIONS
55	BADANIE MIESZANEK MINERALNO-ASFALTOWYCH W WARUNKACH ÅŠCINANIA PRZY KONTROLOWANEJ SZTYWNOÅŠCI WZDÅUÅ»NEJ. Journal of Civil Engineering, Environment and Architecture, 2016, , .	0.0	0