

Greg White

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

559
citations

687220

13
h-index

713332

21
g-index

63
all docs

63
docs citations

63
times ranked

400
citing authors

#	ARTICLE	IF	CITATIONS
1	State of the art: Asphalt for airport pavement surfacing. <i>International Journal of Pavement Research and Technology</i> , 2018, 11, 77-98.	1.3	47
2	Grading highly modified binders by multiple stress creep recovery. <i>Road Materials and Pavement Design</i> , 2017, 18, 1322-1337.	2.0	45
3	Evaluation of Performance and Challenges of Use of Waste Materials in Pavement Construction: A Critical Review. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 226.	1.3	39
4	State-of-the-art of interlocking concrete block pavement technology in Japan as a post-modern pavement. <i>Construction and Building Materials</i> , 2019, 200, 713-755.	3.2	36
5	The influence of compaction method and density on the strength and modulus of cementitiously stabilised pavement materials. <i>International Journal of Pavement Engineering</i> , 2005, 6, 97-110.	2.2	25
6	Performance of pavements incorporating industrial byproducts: A state-of-the-art study. <i>Journal of Cleaner Production</i> , 2017, 164, 367-388.	4.6	24
7	State of the art: interface shear resistance of asphalt surface layers. <i>International Journal of Pavement Engineering</i> , 2017, 18, 887-901.	2.2	20
8	Estimating correlations between rheological characteristics, engineering properties, and CO ₂ emissions of warm-mix asphalt. <i>Journal of Cleaner Production</i> , 2018, 189, 635-646.	4.6	20
9	Characterization of effects of reclaimed asphalt pavement (RAP) source and content on dynamic modulus of hot mix asphalt concrete. <i>Construction and Building Materials</i> , 2019, 217, 487-497.	3.2	20
10	Review of ice and snow runway pavements. <i>International Journal of Pavement Research and Technology</i> , 2018, 11, 311-320.	1.3	18
11	Functional and field performance of epoxy asphalt technology – state-of-the-art. <i>Road Materials and Pavement Design</i> , 2023, 24, 881-918.	2.0	18
12	Shear stresses in an asphalt surface under various aircraft braking conditions. <i>International Journal of Pavement Research and Technology</i> , 2016, 9, 89-101.	1.3	17
13	A Synthesis on the Effects of Two Commercial Recycled Plastics on the Properties of Bitumen and Asphalt. <i>Sustainability</i> , 2020, 12, 8594.	1.6	16
14	Quantifying the impact of reclaimed asphalt pavement on airport asphalt surfaces. <i>Construction and Building Materials</i> , 2019, 197, 757-765.	3.2	15
15	The Combined Effect of Ultraviolet Irradiation and Temperature on Hot Mix Asphalt Mixture Aging. <i>Sustainability</i> , 2022, 14, 5942.	1.6	15
16	Review of reflective cracking in composite pavements. <i>International Journal of Pavement Research and Technology</i> , 2020, 13, 524-535.	1.3	14
17	Field evaluation of a handheld laser meter for pavement surface macro texture measurement. <i>International Journal of Pavement Engineering</i> , 2021, 22, 950-959.	2.2	13
18	Limitations and potential improvement of the aircraft pavement strength rating system to protect airport asphalt surfaces. <i>International Journal of Pavement Engineering</i> , 2017, 18, 1111-1121.	2.2	12

#	ARTICLE	IF	CITATIONS
19	Review of Asphalt Mixture Ravelling Mechanisms, Causes and Testing. International Journal of Pavement Research and Technology, 2022, 15, 1448-1462.	1.3	12
20	Shear creep response of an airport asphalt mastic. International Journal of Pavement Engineering, 2017, 18, 567-577.	2.2	11
21	Sustainable runway pavement rehabilitation: A case study of an Australian airport. Journal of Cleaner Production, 2018, 204, 380-389.	4.6	9
22	Warm Mix Asphalt For Australian Airports. International Journal on Pavement Engineering & Asphalt Technology, 2015, 16, 11-29.	0.4	8
23	Review of stone mastic asphalt as a high-performance ungrooved runway surfacing. Road Materials and Pavement Design, 2020, 21, 886-905.	2.0	8
24	Laboratory and field performance comparison of dense graded and stone mastic asphalt as a runway surface. International Journal of Pavement Engineering, 2022, 23, 937-949.	2.2	7
25	Effect of aircraft traffic on the structure and response of asphalt. Transportation Geotechnics, 2015, 2, 56-64.	2.0	6
26	Towards a Performance-Based Airport Asphalt Specification. , 2017, , .		6
27	Asphalt tenderness in an Australian runway overlay. Transportation Geotechnics, 2016, 6, 66-74.	2.0	5
28	Evaluation of a non-nuclear density gauge as an alternate to destructive coring for airport asphalt acceptance testing. SN Applied Sciences, 2019, 1, 1.	1.5	5
29	Developing a Performance-Based Specification for Stone Mastic Asphalt as an Ungrooved Runway Surface. , 2019, , .		5
30	Incorporating binder type into asphalt fatigue life characterisation of airport pavement surfaces. International Journal of Pavement Research and Technology, 2020, 13, 40-47.	1.3	5
31	Comparing the Cost of Rigid and Flexible Aircraft Pavements Using a Parametric Whole of Life Cost Analysis. Infrastructures, 2021, 6, 117.	1.4	5
32	Inter-batch and inter-feedstock variability of an acid modified bitumen. Road Materials and Pavement Design, 2016, 17, 658-677.	2.0	4
33	Modification of the airport pavement strength rating system for improved protection of asphalt surfaces. International Journal of Pavement Engineering, 2019, 20, 519-529.	2.2	4
34	Stochastic strength rating of flexible airport pavements using construction data. International Journal of Pavement Engineering, 2020, 21, 537-548.	2.2	4
35	Difference between Pavement Thickness Design and Pavement Life Prediction for Rigid Aircraft Pavements. Designs, 2022, 6, 12.	1.3	4
36	Developing a framework for diagnosis of shear distress in asphalt surfaces. International Journal of Pavement Engineering, 2017, 18, 1039-1051.	2.2	3

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37	Laboratory Evaluation of the Performance of Stone Mastic Asphalt as an Ungrooved Runway Surface. <i>Materials</i> , 2021, 14, 502.	1.3	3
38	Review of the design, characterisation and production of foamed bitumen stabilised base courses for pavement construction. <i>Australian Journal of Civil Engineering</i> , 2022, 20, 308-325.	0.6	3
39	The Effect of Waste Plastics on the Ageing Phenomenon of Bituminous Binders and Asphalt Mixtures. <i>Materials</i> , 2021, 14, 6176.	1.3	3
40	Resetting dense graded airport asphalt production and construction tolerances. <i>International Journal of Construction Management</i> , 2019, , 1-12.	2.2	2
41	Comparing Binder Modified with Recycled Plastic to Conventional Polymer Modified Binders. , 2021, , .		2
42	Laboratory Comparison of In-Situ, Ex-Situ and Laboratory Produced Foamed Bitumen Stabilized Base. <i>RILEM Bookseries</i> , 2022, , 1235-1240.	0.2	2
43	Implications of Different Foamed Bitumen Stabilization Production and Curing Processes on Airport Pavement Thickness and Life. <i>Sustainable Civil Infrastructures</i> , 2021, , 107-126.	0.1	2
44	Foamed Bitumen Base for Expedient Airport Pavement Upgrade: A Case Study on Whitsunday Coast Airport. <i>Sustainable Civil Infrastructures</i> , 2019, , 94-111.	0.1	2
45	Sensitivity Analysis of FAARFIELD Rigid Airport Pavement Thickness Determination. , 0, , .		2
46	Objective Comparison of Sustainable Asphalt Concrete Solutions for Airport Pavement Surfacing. , 2022, , .		2
47	Investigating Alternates to Flexural Beams for Airport Concrete Strength Compliance. , 0, , .		2
48	The impact of Hisingerite on asphalt shear resistance. <i>Road Materials and Pavement Design</i> , 2017, 18, 235-249.	2.0	1
49	Recalibration of Airport Pavement Structural Design System. , 2008, , .		1
50	Laboratory Evaluation of Asphalt Containing Recycled Plastic as a Bitumen Extender and Modifier. <i>Journal of Traffic and Transportation Engineering</i> , 2019, 7, .	0.1	1
51	Comparing Asphalt Properties for Samples Produced in the Laboratory and Different Production Plants. , 2019, , .		0
52	Development of a Matrix Analysis Methodology for Characterization of Short-Term Aging in Asphalt Binders Modified by Synthetic Wax. <i>Sustainability</i> , 2021, 13, 5784.	1.6	0
53	Stochastic Post-Construction Strength Rating of the New Runway at Sunshine Coast Airport. , 2021, , .		0
54	Extending the Use of RAP in Airport Asphalt Resurfacing. <i>RILEM Bookseries</i> , 2022, , 911-917.	0.2	0

#	ARTICLE	IF	CITATIONS
55	Advanced Characterisation Methods for Interface Shear Resistance for Airport Overlays. RILEM Bookseries, 2016, , 501-506.	0.2	0
56	Design and Construct Contracts for Airport Asphalt Resurfacing. Sustainable Civil Infrastructures, 2019, , 142-151.	0.1	0
57	The Challenges of Warm Mix Asphalt as a Mature Technology. Lecture Notes in Civil Engineering, 2020, , 93-102.	0.3	0
58	New Methodology to Characterize the Workability of Asphaltic Concrete Mixtures Based on Kinematic Compaction Energy. Sustainability, 2022, 14, 6550.	1.6	0