

Gordon D Airey

List of Publications by Year in descending order

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151
papers

6,181
citations

81900

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73
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156
all docs

156
docs citations

156
times ranked

2509
citing authors

#	ARTICLE	IF	CITATIONS
1	Rheological properties of styrene butadiene styrene polymer modified road bitumens. Fuel, 2003, 82, 1709-1719.	6.4	624
2	Rheological evaluation of ethylene vinyl acetate polymer modified bitumens. Construction and Building Materials, 2002, 16, 473-487.	7.2	339
3	State of the Art Report on Ageing Test Methods for Bituminous Pavement Materials. International Journal of Pavement Engineering, 2003, 4, 165-176.	4.4	240
4	Styrene butadiene styrene polymer modification of road bitumens. Journal of Materials Science, 2004, 39, 951-959.	3.7	225
5	Use of Black Diagrams to Identify Inconsistencies in Rheological Data. Road Materials and Pavement Design, 2002, 3, 403-424.	4.0	199
6	The influence of aggregate, filler and bitumen on asphalt mixture moisture damage. Construction and Building Materials, 2008, 22, 2015-2024.	7.2	175
7	Modelling the linear viscoelastic rheological properties of bituminous binders. Construction and Building Materials, 2011, 25, 2171-2189.	7.2	158
8	Absorption of Bitumen into Crumb Rubber Using the Basket Drainage Method. International Journal of Pavement Engineering, 2003, 4, 105-119.	4.4	140
9	Use of Black Diagrams to Identify Inconsistencies in Rheological Data. Road Materials and Pavement Design, 2002, 3, 403-424.	4.0	137
10	A Dissipated Energy Approach to Fatigue Evaluation. Road Materials and Pavement Design, 2006, 7, 47-69.	4.0	136
11	Modelling the rheological properties of bituminous binders using mathematical equations. Construction and Building Materials, 2013, 40, 174-188.	7.2	113
12	Modelling the rheological properties of bituminous binders using the 2S2P1D Model. Construction and Building Materials, 2013, 38, 395-406.	7.2	110
13	A study into the use of crumb rubber in railway ballast. Construction and Building Materials, 2015, 75, 19-24.	7.2	108
14	Combined bituminous binder and mixture linear rheological properties. Construction and Building Materials, 2004, 18, 535-548.	7.2	106
15	Properties of Polymer Modified Bitumen after Rubber-Bitumen Interaction. Journal of Materials in Civil Engineering, 2002, 14, 344-354.	2.9	100
16	Influence of aggregate mineralogical composition on water resistance of aggregate-bitumen adhesion. International Journal of Adhesion and Adhesives, 2015, 62, 45-54.	2.9	99
17	Fundamental Binder and Practical Mixture Evaluation of Polymer Modified Bituminous Materials. International Journal of Pavement Engineering, 2004, 5, 137-151.	4.4	96
18	Rheological characteristics of synthetic road binders. Fuel, 2008, 87, 1763-1775.	6.4	91

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19	State of the Art Report on Moisture Sensitivity Test Methods for Bituminous Pavement Materials. Road Materials and Pavement Design, 2002, 3, 355-372.	4.0	87
20	Nonlinear viscoelastic analysis of unaged and aged asphalt binders. Construction and Building Materials, 2008, 22, 2170-2179.	7.2	86
21	Towards 100% recycling of reclaimed asphalt in road surface courses: binder design methodology and case studies. Journal of Cleaner Production, 2016, 131, 43-51.	9.3	84
22	Assessing asphalt mixture moisture susceptibility through intrinsic adhesion, bitumen stripping and mechanical damage. Road Materials and Pavement Design, 2014, 15, 131-152.	4.0	81
23	Tyre rubber-modified bitumens development: the effect of varying processing conditions. Road Materials and Pavement Design, 2013, 14, 888-900.	4.0	80
24	Sustainable utilization of bauxite residue (Red Mud) as a road material in pavements: A critical review. Construction and Building Materials, 2021, 270, 121419.	7.2	80
25	Linear Rheological Behavior of Bituminous Paving Materials. Journal of Materials in Civil Engineering, 2004, 16, 212-220.	2.9	75
26	Examination of moisture sensitivity of aggregate-bitumen bonding strength using loose asphalt mixture and physico-chemical surface energy property tests. International Journal of Pavement Engineering, 2014, 15, 657-670.	4.4	75
27	The effect of asphalt mixture gradation and compaction energy on aggregate degradation. Construction and Building Materials, 2008, 22, 972-980.	7.2	73
28	Moisture-induced strength degradation of aggregate-asphalt mastic bonds. Road Materials and Pavement Design, 2014, 15, 239-262.	4.0	73
29	Characterisation of micro-structural damage in asphalt mixtures using image analysis. Construction and Building Materials, 2014, 54, 27-38.	7.2	73
30	Shear bond strength between asphalt layers for laboratory prepared samples and field cores. Construction and Building Materials, 2009, 23, 2251-2258.	7.2	72
31	Aggregate Orientation and Segregation in Laboratory-Compacted Asphalt Samples. Transportation Research Record, 2004, 1891, 8-15.	1.9	70
32	Mechanical and structural assessment of laboratory- and field-compacted asphalt mixtures. International Journal of Pavement Engineering, 2016, 17, 50-63.	4.4	63
33	Effect of ageing on the morphology and creep and recovery of polymer-modified bitumens. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	3.1	63
34	Probabilistic Analysis of Fracture in Asphalt Mixtures Caused by Moisture Damage. Transportation Research Record, 2008, 2057, 28-36.	1.9	59
35	Manufacturing Terminal and Field Bitumen-Tyre Rubber Blends: The Importance of Processing Conditions. Procedia, Social and Behavioral Sciences, 2012, 53, 485-494.	0.5	53
36	Experimental evaluation of cohesive and adhesive bond strength and fracture energy of bitumen-aggregate systems. Materials and Structures/Materiaux Et Constructions, 2016, 49, 2653-2667.	3.1	51

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37	Observation of reversible moisture damage in asphalt mixtures. <i>Construction and Building Materials</i> , 2014, 60, 73-80.	7.2	50
38	Stiffness of cold asphalt mixtures with recycled aggregates from construction and demolition waste. <i>Construction and Building Materials</i> , 2015, 77, 168-178.	7.2	44
39	Moisture Susceptibility of High and Low Compaction Dry Process Crumb Rubber-Modified Asphalt Mixtures. <i>Transportation Research Record</i> , 2010, 2180, 121-129.	1.9	41
40	Numerical implementation and validation of a nonlinear viscoelastic and viscoplastic model for asphalt mixes. <i>International Journal of Pavement Engineering</i> , 2011, 12, 433-447.	4.4	41
41	An investigation on using pre-treated tyre rubber as a replacement of synthetic polymers for bitumen modification. <i>Road Materials and Pavement Design</i> , 2015, 16, 245-264.	4.0	41
42	Moisture damage in asphalt mixtures using the modified SATS test and image analysis. <i>Construction and Building Materials</i> , 2013, 43, 165-173.	7.2	39
43	Rheological properties of polyacrylates used as synthetic road binders. <i>Rheologica Acta</i> , 2008, 47, 751-763.	2.4	38
44	Influence of aggregate absorption and diffusion properties on moisture damage in asphalt mixtures. <i>Road Materials and Pavement Design</i> , 2015, 16, 404-422.	4.0	36
45	Binder design of high RAP content hot and warm asphalt mixture wearing courses. <i>Road Materials and Pavement Design</i> , 2015, 16, 460-474.	4.0	34
46	The effects of laboratory ageing on rheological and fracture characteristics of different rubberised bitumens. <i>Construction and Building Materials</i> , 2018, 180, 188-198.	7.2	34
47	Rheological behavior of bitumen mixed with Trinidad lake asphalt. <i>Construction and Building Materials</i> , 2014, 66, 361-367.	7.2	32
48	Moisture damage assessment using surface energy, bitumen stripping and the SATS moisture conditioning procedure. <i>International Journal of Pavement Engineering</i> , 2015, 16, 411-431.	4.4	32
49	Microstructural characterisation of dry mixed rubberised asphalt mixtures. <i>Construction and Building Materials</i> , 2015, 82, 173-183.	7.2	32
50	Development of an automatic torque test to measure the shear bond strength between asphalt. <i>Construction and Building Materials</i> , 2011, 25, 623-629.	7.2	31
51	Influence of waxes on adhesion properties of bituminous binders. <i>Construction and Building Materials</i> , 2015, 76, 404-412.	7.2	30
52	Linear viscoelastic properties of high reclaimed asphalt content mixes with biobinders. <i>Road Materials and Pavement Design</i> , 2017, 18, 241-251.	4.0	30
53	Effect of Compaction Mode on the Mechanical Performance and Variability of Asphalt Mixtures. <i>Journal of Transportation Engineering</i> , 2009, 135, 839-851.	0.9	28
54	Chemically modified bitumens with enhanced rheology and adhesion properties to siliceous aggregates. <i>Construction and Building Materials</i> , 2015, 93, 766-774.	7.2	28

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55	LINEAR AND NONLINEAR FRACTIONAL HEREDITARY CONSTITUTIVE LAWS OF ASPHALT MIXTURES. <i>Journal of Civil Engineering and Management</i> , 2016, 22, 882-889.	3.5	28
56	Crumb Rubber and Bitumen Interaction as a Function of Crude Source and Bitumen Viscosity. <i>Road Materials and Pavement Design</i> , 2004, 5, 453-475.	4.0	27
57	Evaluation of Moisture Sorption and Diffusion Characteristics of Asphalt Mastics Using Manual and Automated Gravimetric Sorption Techniques. <i>Journal of Materials in Civil Engineering</i> , 2014, 26, .	2.9	27
58	Effect of different viscous rejuvenators on chemical and mechanical behavior of aged and recovered bitumen from RAP. <i>Construction and Building Materials</i> , 2020, 239, 117755.	7.2	27
59	Application of Fickian and non-Fickian diffusion models to study moisture diffusion in asphalt mastics. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015, 48, 1461-1474.	3.1	26
60	Mix design considerations of foamed bitumen mixtures with reclaimed asphalt pavement material. <i>International Journal of Pavement Engineering</i> , 2017, 18, 902-915.	4.4	26
61	Linear Viscoelastic Performance of Asphaltic Materials. <i>Road Materials and Pavement Design</i> , 2003, 4, 269-292.	4.0	25
62	Active fillersâ€™ effect on <i>in situ</i> performances of foam bitumen recycled mixtures. <i>Road Materials and Pavement Design</i> , 2017, 18, 281-296.	4.0	25
63	Optimising the moisture durability SATS conditioning parameters for universal asphalt mixture application. <i>International Journal of Pavement Engineering</i> , 2012, 13, 433-450.	4.4	24
64	Toward more realistic viscosity measurements of tyre rubberâ€™bitumen blends. <i>Construction and Building Materials</i> , 2014, 67, 270-278.	7.2	24
65	Time dependent viscoelastic rheological response of pure, modified and synthetic bituminous binders. <i>Mechanics of Time-Dependent Materials</i> , 2016, 20, 455-480.	4.4	23
66	Evaluation of the degradation of fine asphalt-aggregate mixtures containing high reclaimed asphalt pavement contents. <i>Road Materials and Pavement Design</i> , 2017, 18, 91-107.	4.0	23
67	Rubberised bitumen manufacturing assisted by rheological measurements. <i>Road Materials and Pavement Design</i> , 2016, 17, 290-310.	4.0	21
68	Moisture damage evaluation of aggregateâ€™bitumen bonds with the respect of moisture absorption, tensile strength and failure surface. <i>Road Materials and Pavement Design</i> , 2017, 18, 833-848.	4.0	21
69	Microstructure and rheological response of laboratory-aged SBS-modified bitumens. <i>Road Materials and Pavement Design</i> , 2021, 22, 372-396.	4.0	21
70	Laboratory Mix Design of Asphalt Mixture Containing Reclaimed Material. <i>Advances in Materials Science and Engineering</i> , 2014, 2014, 1-11.	1.8	20
71	Discrete element modelling of uniaxial constant strain rate tests on asphalt mixtures. <i>Granular Matter</i> , 2013, 15, 163-174.	2.2	18
72	A Dissipated Energy Approach to Fatigue Evaluation. <i>Road Materials and Pavement Design</i> , 2006, 7, 47-69.	4.0	18

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73	Rheology of polyacrylate binders produced via catalytic chain transfer polymerization as an alternative to bitumen in road pavement materials. <i>European Polymer Journal</i> , 2011, 47, 1300-1314.	5.4	17
74	A dissipated energy comparison to evaluate fatigue resistance using 2-point bending. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2014, 1, 49-54.	4.2	17
75	Characterisation of fatigue damage in asphalt mixtures using X-ray computed tomography. <i>Road Materials and Pavement Design</i> , 2023, 24, 653-671.	4.0	17
76	Simulation of micro-crack initiation and propagation under repeated load in asphalt concrete using zero-thickness cohesive elements. <i>Construction and Building Materials</i> , 2022, 342, 127934.	7.2	17
77	Effects of Pressure and Aging in SATS Test. <i>Journal of Transportation Engineering</i> , 2007, 133, 618-624.	0.9	16
78	Laboratory evaluation of Rediset modified bitumen based on rheology and adhesion properties. <i>Construction and Building Materials</i> , 2017, 152, 683-692.	7.2	16
79	Development of compression pull-off test (CPOT) to assess bond strength of bitumen. <i>Construction and Building Materials</i> , 2019, 207, 412-421.	7.2	16
80	Experimental Exploration of Influence of Recycled Polymer Components on Rutting Resistance and Fatigue Behavior of Asphalt Mixtures. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	2.9	16
81	Intrinsic adhesive and cohesive assessment of the moisture sensitivity of bio-rejuvenated recycled asphalt binders. <i>Road Materials and Pavement Design</i> , 2019, 20, S347-S364.	4.0	15
82	Applicability of time-temperature superposition for laboratory-aged neat and SBS-modified bitumens. <i>Construction and Building Materials</i> , 2020, 263, 120964.	7.2	15
83	Renewable binders from waste biomass for road construction: A review on thermochemical conversion technologies and current developments. <i>Construction and Building Materials</i> , 2022, 330, 127076.	7.2	15
84	Linear Viscoelastic Behaviour of Polyacrylate Binders and Bitumen Blends. <i>Road Materials and Pavement Design</i> , 2008, 9, 13-35.	4.0	14
85	An investigation into the effects of accelerated curing on Cold Recycled Bituminous Mixes. , 2014, , 1177-1188.		14
86	Development of a composite substrate peel test to assess moisture sensitivity of aggregate-bitumen bonds. <i>International Journal of Adhesion and Adhesives</i> , 2016, 68, 133-141.	2.9	14
87	Laboratory Mix Design Procedure for Foamed Bitumen Mixtures. <i>Transportation Research Record</i> , 2014, 2444, 1-10.	1.9	13
88	Evaluation of the fracture performance of different rubberised bitumens based on the essential work of fracture. <i>Engineering Fracture Mechanics</i> , 2017, 179, 203-212.	4.3	13
89	New simplified approach for obtaining a reliable plateau value in fatigue analysis of bituminous materials. <i>Engineering Failure Analysis</i> , 2017, 79, 263-273.	4.0	13
90	Moisture sensitivity examination of asphalt mixtures using thermodynamic, direct adhesion peel and compacted mixture mechanical tests. <i>Road Materials and Pavement Design</i> , 2018, 19, 120-138.	4.0	13

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91	Enhancement of curing properties of cold in-place recycling asphalt mixtures by induction heating. <i>International Journal of Pavement Engineering</i> , 2021, 22, 355-368.	4.4	13
92	Moisture susceptibility of hydrated lime modified mastics using adhesion test methods and surface free energy techniques. <i>International Journal of Pavement Engineering</i> , 2021, 22, 829-841.	4.4	13
93	The Influence of Mineral Fillers on Mastic Aging Properties. , 2011, , .		12
94	Application of surface free energy techniques to evaluate bitumen-aggregate bonding strength and bituminous mixture moisture sensitivity. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2014, 167, 214-226.	1.1	12
95	Creep Testing of Bitumens Using the Dynamic Shear Rheometer. <i>International Journal of Pavement Engineering</i> , 2002, 3, 107-116.	4.4	11
96	Thermo-rheological analysis of WMA-additive modified binders. <i>Materials and Structures/Materiaux Et Constructions</i> , 2020, 53, 1.	3.1	11
97	End-performance evaluation of thiourea-modified bituminous binders through viscous flow and linear viscoelasticity testing. <i>Rheologica Acta</i> , 2013, 52, 145-154.	2.4	10
98	The role of ettringite in the deterioration of artificial lime stabilised soils: a microstructural study. <i>Road Materials and Pavement Design</i> , 2013, 14, 586-614.	4.0	10
99	Linear viscous approach to predict rut depth in asphalt mixtures. <i>Construction and Building Materials</i> , 2018, 169, 775-793.	7.2	10
100	Effect of hydrated lime and other mineral fillers on stiffening and oxidative ageing in bitumen mastic. <i>Construction and Building Materials</i> , 2022, 315, 125789.	7.2	10
101	Development of a tool to assess in-situ curing of Foamed Bitumen Mixtures. <i>Construction and Building Materials</i> , 2016, 124, 55-68.	7.2	9
102	Performance-related and rheological characterisation of natural rubber modified bitumen. <i>Construction and Building Materials</i> , 2021, 268, 121058.	7.2	9
103	Stiffening Effect of Fillers Based on Rheology and Micromechanics Models. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6521.	2.5	9
104	Advanced constitutive modelling of bituminous materials. <i>International Journal of Pavement Engineering</i> , 2006, 7, 153-165.	4.4	8
105	Fundamental characterisation of reclaimed asphalts: the importance of testing homogeneous specimens. <i>Road Materials and Pavement Design</i> , 2013, 14, 120-131.	4.0	8
106	Effect of foaming technique and mixing temperature on the rheological characteristics of fine RAP-foamed bitumen mixtures. <i>Road Materials and Pavement Design</i> , 2020, 21, 2143-2159.	4.0	8
107	Effects of ageing on the damage tolerance of polymer modified bitumens investigated through the LAS test and fluorescence microscopy. <i>International Journal of Pavement Engineering</i> , 2022, 23, 1083-1094.	4.4	8
108	Viscoelastic linearity limits for bituminous materials. <i>Materials and Structures/Materiaux Et Constructions</i> , 2003, 36, 643-647.	3.1	8

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109	Rheological and fracture characteristics of low penetration grade bitumen. <i>Road Materials and Pavement Design</i> , 2004, 5, 107-131.	4.0	7
110	A Comparative Study of Phase Angle Predictive Equations Using Bituminous Binder Data. <i>Arabian Journal for Science and Engineering</i> , 2012, 37, 1571-1583.	1.1	7
111	Asphalt damage characterisation from cyclic test and X-ray computed tomography. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 2013, 166, 203-213.	0.6	7
112	Chemical pavement modifications to reduce ice adhesion. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 2016, 169, 76-87.	0.6	7
113	Binder and Mixture Fatigue Performance of Plant-Produced Road Surface Course Asphalt Mixtures with High Contents of Reclaimed Asphalt. <i>Sustainability</i> , 2019, 11, 3752.	3.2	7
114	Simulating plant produced material in the laboratory to replicate rheological and fatigue properties. <i>Road Materials and Pavement Design</i> , 2020, 21, 253-261.	4.0	7
115	Rutting analysis of different rubberised stone mastic asphalt mixtures: from binders to mixtures. <i>Road Materials and Pavement Design</i> , 2022, 23, 2098-2114.	4.0	7
116	State of the Art Report on Moisture Sensitivity Test Methods for Bituminous Pavement Materials. <i>Road Materials and Pavement Design</i> , 2002, 3, 355-372.	4.0	7
117	Micromechanics-Based Viscoelasticity Predictions of Crumb Rubber Modified Bitumen Considering Polymer Network Effects. <i>Transportation Research Record</i> , 2022, 2676, 73-88.	1.9	7
118	Stress Intensity Factors at the Tip of a Surface Initiated Crack Caused by Different Contact Pressure Distributions. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 48, 733-742.	0.5	6
119	Use of Imaging Techniques for Viewing the Internal Structure of Rubberised Asphalt Mixtures. <i>Applied Mechanics and Materials</i> , 0, 695, 8-11.	0.2	6
120	Discrete element modelling of creep of asphalt mixtures. <i>Geomechanics and Geoengineering</i> , 2016, 11, 64-72.	1.8	6
121	Structural design of pavements incorporating foamed bitumen mixtures. <i>Proceedings of Institution of Civil Engineers: Construction Materials</i> , 2018, 171, 22-35.	1.1	6
122	Evaluaci3n del efecto rejuvenecedor de bio-materiales sobre ligantes para mezclas con alto contenido de asfalto recuperado. <i>Materiales De Construccion</i> , 1957, 7, 130.	0.7	6
123	Effect of Moisture Conditioning on Fatigue Properties of Sulphur Modified Asphalt Mixtures. <i>RILEM Bookseries</i> , 2012, , 793-803.	0.4	6
124	Application of image analysis tools in Matlab to better estimate the degree of binder coverage in rolling bottles test. <i>Road Materials and Pavement Design</i> , 2022, 23, 601-616.	4.0	5
125	Multi-Scale Rheo-Mechanical Study of SMA Mixtures Containing Fine Crumb Rubber in a New Dry-Hybrid Technology. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3887.	2.5	5
126	Data Compression Approach for Long-Term Monitoring of Pavement Structures. <i>Infrastructures</i> , 2020, 5, 1.	2.8	5

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127	Modelling the stiffness development in asphalt concrete to obtain fatigue failure criteria. Construction and Building Materials, 2021, 306, 124837.	7.2	5
128	Comparative Evaluation of Moisture Susceptibility Test Methods for Routine Usage in Asphalt Mixture Design. Journal of Testing and Evaluation, 2020, 48, 88-106.	0.7	5
129	Environmental effects on the rheological properties of fine warm RAP-foamed bitumen mixtures using SATS conditioning protocol. International Journal of Pavement Engineering, 2021, 22, 1273-1283.	4.4	4
130	The composition of the material phase responsible for the self-healing of macro-cracks in asphalt mortar beams. Road Materials and Pavement Design, 2022, 23, 656-665.	4.0	4
131	An Overview of Black Space Evaluation of Performance and Distress Mechanisms in Asphalt Materials. RILEM Bookseries, 2022, , 231-237.	0.4	4
132	Crumb Rubber and Bitumen Interaction as a Function of Crude Source and Bitumen Viscosity. Road Materials and Pavement Design, 2004, 5, 453-475.	4.0	4
133	Moisture susceptibility assessment of hydrated lime modified asphalt mixture and surface energy. International Journal of Pavement Engineering, 2022, 23, 599-611.	4.4	4
134	Evaluation of Stiffness and Fatigue Using 2 Point Bending and Indirect Tensile Fatigue Tests. , 2013, , .		3
135	Investigating the Effect of Artificial Ageing on the Creep and Recovery of SBS-Modified Bitumen. MATEC Web of Conferences, 2019, 271, 03009.	0.2	3
136	Developing the multiple stress-strain creep recovery (MS-SCR) test. Mechanics of Time-Dependent Materials, 2019, 23, 97-117.	4.4	3
137	Rheological characterisation of cold bitumen emulsion slurries. Road Materials and Pavement Design, 2021, 22, S232-S250.	4.0	3
138	Experimental Investigation on Water Loss and Stiffness of CBTM Using Different RA Sources. RILEM Bookseries, 2022, , 11-17.	0.4	3
139	Black Space Rheological Assessment of Asphalt Material Behavior. Journal of Testing and Evaluation, 2022, 50, 20210205.	0.7	3
140	The Effects Non-uniform Contact Pressure Distribution Has on Surface Distress of Flexible Pavements Using a Finite Element Method. RILEM Bookseries, 2012, , 347-357.	0.4	2
141	Accelerated swell testing of artificial sulfate bearing lime stabilised cohesive soils. Materials and Structures/Materiaux Et Constructions, 2015, 48, 3635-3655.	3.1	2
142	Experimental Study of Moisture Sensitivity of Aggregate-Bitumen Bonding Strength Using a New Pull-Off Test. RILEM Bookseries, 2016, , 719-733.	0.4	2
143	A Comparison of Uniform and 3-D Tyre Contact Pressure Representations Using a Finite Element Method. Transportation Research Procedia, 2016, 14, 2402-2410.	1.5	1
144	Special Issue on Asphalt Technology <i>EATA 2006</i>. Road Materials and Pavement Design, 2006, 7, 263-263.	4.0	0

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145	Physical and rheological characterization of carbonated bitumen for paving applications. <i>Materials and Design</i> , 2018, 140, 345-356.	7.0	0
146	Temperature Dependency of the Stiffening Effect of Hydrated Lime in Stone Mastic Asphalt (SMA) Mixtures. <i>RILEM Bookseries</i> , 2022, , 1743-1749.	0.4	0
147	Fracture Characterization of Stone Mastic Asphalt (SMA) with Hydrated Lime Through the Semi-circular Bending Test Approach. <i>RILEM Bookseries</i> , 2022, , 935-941.	0.4	0
148	Rheological Properties and Rutting Characterization of Natural Rubber Modified Bitumen. <i>RILEM Bookseries</i> , 2022, , 1595-1602.	0.4	0
149	Comparison of the Effects of Hydrated Lime on the Moisture-Induced Damage of Stone Mastic Asphalt (SMA) Mixtures. <i>RILEM Bookseries</i> , 2022, , 465-471.	0.4	0
150	Relative Near Surface Pavement Performance for Dual and Wide-Base Tyre Assemblies Using a Finite Element Method. <i>RILEM Bookseries</i> , 2016, , 757-762.	0.4	0
151	Moisture-Induced Debonding Mechanisms in Asphalt Mixtures. <i>RILEM Bookseries</i> , 2016, , 589-595.	0.4	0