

Daniel Castro-Fresno

List of Publications by Year in descending order

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160
papers

3,990
citations

117453

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all docs

163
docs citations

163
times ranked

2949
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of replacing virgin bitumen by plastic waste in asphalt concrete mixtures. International Journal of Pavement Engineering, 2022, 23, 2621-2630.	2.2	18
2	A combination of DOE " multi-criteria decision making analysis applied to additive assessment in porous asphalt mixture. International Journal of Pavement Engineering, 2022, 23, 2489-2502.	2.2	3
3	Evaluation of the rejuvenation of asphalt by means of oil-saturated porous aggregates. Construction and Building Materials, 2022, 318, 125825.	3.2	6
4	Experimental evaluation and recyclability potential of asphalt concrete mixtures with polyacrylonitrile fibers. Construction and Building Materials, 2022, 317, 125829.	3.2	8
5	Effect of Different Types of "Dry Way" Additions in Porous Asphalt Mixtures. Materials, 2022, 15, 1549.	1.3	4
6	Selection of fibers to improve porous asphalt mixtures using multi-criteria analysis. Construction and Building Materials, 2021, 266, 121198.	3.2	24
7	Technical feasibility for the replacement of high rates of natural aggregates in asphalt mixtures. International Journal of Pavement Engineering, 2021, 22, 940-949.	2.2	5
8	A multi-criteria decision-making analysis for the selection of fibres aimed at reinforcing asphalt concrete mixtures. International Journal of Pavement Engineering, 2021, 22, 763-779.	2.2	26
9	Influence of the Diatomite Specie on the Peak and Residual Shear Strength of the Fine-Grained Soil. Applied Sciences (Switzerland), 2021, 11, 1352.	1.3	8
10	Multi-Criteria Selection of Additives in Porous Asphalt Mixtures Using Mechanical, Hydraulic, Economic, and Environmental Indicators. Sustainability, 2021, 13, 2146.	1.6	7
11	Laboratory and Statistical Analysis of the Fatigue Response of Self-Healing Asphalt Mixtures Containing Metal By-Products. Coatings, 2021, 11, 385.	1.2	1
12	Laboratory Characterization of Porous Asphalt Mixtures with Aramid Fibers. Materials, 2021, 14, 1935.	1.3	12
13	Numerical and Experimental Evaluation of a CFRP Fatigue Strengthening for Stringer-Floor Beam Connections in a 19th Century Riveted Railway Bridge. Metals, 2021, 11, 603.	1.0	3
14	Selection of membranes and linking method in slope stabilization systems for the reduction on the installation time using multi-criteria decision analysis. Ain Shams Engineering Journal, 2021, 12, 3471-3484.	3.5	2
15	Mechanical performance of sustainable asphalt mixtures manufactured with copper slag and high percentages of reclaimed asphalt pavement. Construction and Building Materials, 2021, 304, 124653.	3.2	16
16	Critical assessment of new polymer-modified bitumen for porous asphalt mixtures. Construction and Building Materials, 2021, 307, 124957.	3.2	22
17	3D numerical simulation of slope-flexible system interaction using a mixed FEM-SPH model. Ain Shams Engineering Journal, 2021, 13, 101592-101592.	3.5	2
18	Assessment of induction heating in the performance of porous asphalt mixtures. Road Materials and Pavement Design, 2020, 21, 2302-2320.	2.0	12

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19	Laboratory assessment of porous asphalt mixtures reinforced with synthetic fibers. <i>Construction and Building Materials</i> , 2020, 234, 117224.	3.2	42
20	Multiple-response optimization of open graded friction course reinforced with fibers through CRITIC-WASPAS based on Taguchi methodology. <i>Construction and Building Materials</i> , 2020, 233, 117274.	3.2	39
21	Study of the permanent deformation of binders and asphalt mixtures using rheological models of fractional viscoelasticity. <i>Construction and Building Materials</i> , 2020, 260, 120438.	3.2	16
22	Multidimensional Construction Planning and Agile Organized Project Executionâ€”The 5D-PROMPT Method. <i>Sustainability</i> , 2020, 12, 6340.	1.6	10
23	Recyclability Potential of Induction-Healable Porous Asphalt Mixtures. <i>Sustainability</i> , 2020, 12, 9962.	1.6	2
24	Physical and Mechanical Characterization of Sustainable and Innovative Porous Concrete for Urban Pavements Containing Metakaolin. <i>Sustainability</i> , 2020, 12, 4243.	1.6	12
25	An experimental laboratory study of fiber-reinforced asphalt mortars with polyolefin-aramid and polyacrylonitrile fibers. <i>Construction and Building Materials</i> , 2020, 248, 118622.	3.2	24
26	An integrated DoE â€” Stochastic multi criteria decision-making analysis applied for experimental evaluation of fiber reinforced porous asphalt mixtures. <i>Construction and Building Materials</i> , 2020, 255, 119330.	3.2	7
27	Fatigue behaviour of adhesive bonds in tensile CFRP-metal double-strap joints with puddle iron plates taken from a 19th century bridge. <i>Composite Structures</i> , 2020, 251, 112600.	3.1	4
28	Influence of carbon fibre stiffness and adhesive ductility on CFRP-steel adhesive joints with short bond lengths. <i>Construction and Building Materials</i> , 2020, 260, 119758.	3.2	16
29	Effect of Synthetic Fibers and Hydrated Lime in Porous Asphalt Mixture Using Multi-Criteria Decision-Making Techniques. <i>Materials</i> , 2020, 13, 675.	1.3	12
30	Influence of traffic delay produced during maintenance activities on the life cycle assessment of a road. <i>Journal of Cleaner Production</i> , 2020, 253, 120050.	4.6	6
31	Fluid transport within permeable pavement systems: A review of evaporation processes, moisture loss measurement and the current state of knowledge. <i>Construction and Building Materials</i> , 2020, 243, 118179.	3.2	22
32	Mechanical, environmental and economic feasibility of highly sustainable porous asphalt mixtures. <i>Construction and Building Materials</i> , 2020, 251, 118982.	3.2	12
33	A New Design Methodology for Improving Porous Concrete Properties to Achieve Multifunctional and Sustainable Pavements. <i>Lecture Notes in Civil Engineering</i> , 2020, , 491-499.	0.3	1
34	Incorporation of Additives and Fibers in Porous Asphalt Mixtures: A Review. <i>Materials</i> , 2019, 12, 3156.	1.3	59
35	Optimizing the valorization of industrial by-products for the induction healing of asphalt mixtures. <i>Construction and Building Materials</i> , 2019, 228, 116715.	3.2	13
36	Proposal of a New Porous Concrete Dosage Methodology for Pavements. <i>Materials</i> , 2019, 12, 3100.	1.3	13

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37	Mechanical performance of fibers in hot mix asphalt: A review. <i>Construction and Building Materials</i> , 2019, 200, 756-769.	3.2	131
38	Design of a new energy dissipating device and verification for use in rockfall protection barriers. <i>Engineering Structures</i> , 2019, 199, 109633.	2.6	4
39	Use of plastic scrap in asphalt mixtures added by dry method as a partial substitute for bitumen. <i>Waste Management</i> , 2019, 87, 751-760.	3.7	76
40	Mechanical assessment of the induction heating as a method to accelerate the drying process of cold porous asphalt mixtures. <i>Construction and Building Materials</i> , 2019, 208, 646-650.	3.2	6
41	Assessment of carbon black modified binder in a sustainable asphalt concrete mixture. <i>Construction and Building Materials</i> , 2019, 211, 363-370.	3.2	26
42	Multi-Response Optimization of Porous Asphalt Mixtures Reinforced with Aramid and Polyolefin Fibers Employing the CRITIC-TOPSIS Based on Taguchi Methodology. <i>Materials</i> , 2019, 12, 3789.	1.3	36
43	Study of the mechanical behavior of asphalt mixtures using fractional rheology to model their viscoelasticity. <i>Construction and Building Materials</i> , 2019, 200, 124-134.	3.2	46
44	Recyclability potential of asphalt mixes containing reclaimed asphalt pavement and industrial by-products. <i>Construction and Building Materials</i> , 2019, 195, 148-155.	3.2	40
45	Environmental impact assessment of induction-heated asphalt mixtures. <i>Journal of Cleaner Production</i> , 2019, 208, 1546-1556.	4.6	51
46	New System for the Acceleration of the Airflow in Wind Turbines. <i>Recent Patents on Mechanical Engineering</i> , 2019, 12, 158-167.	0.2	0
47	Use of explicit FEM models for the structural and parametrical analysis of rockfall protection barriers. <i>Engineering Structures</i> , 2018, 166, 212-226.	2.6	16
48	Durability of geothermal grouting materials considering extreme loads. <i>Construction and Building Materials</i> , 2018, 162, 732-739.	3.2	13
49	Is the Sustainable Development Goals (SDG) index an adequate framework to measure the progress of the 2030 Agenda?. <i>Sustainable Development</i> , 2018, 26, 663-671.	6.9	184
50	Decision support model for the selection of asphalt wearing courses in highly trafficked roads. <i>Soft Computing</i> , 2018, 22, 7407-7421.	2.1	13
51	Asphalt mixtures with high rates of recycled aggregates and modified bitumen with rubber at reduced temperature. <i>Road Materials and Pavement Design</i> , 2018, 19, 1489-1498.	2.0	9
52	Energy harvesting from vehicular traffic over speed bumps: a review. <i>Proceedings of Institution of Civil Engineers: Energy</i> , 2018, 171, 58-69.	0.5	6
53	Thermal susceptibility analysis of the reuse of fly ash from cellulose industry as contribution filler in bituminous mixtures. <i>Construction and Building Materials</i> , 2018, 160, 268-277.	3.2	20
54	Bituminous mixtures with low percentage of natural aggregates and rubber modified bitumen with wax. <i>Transportation Research Procedia</i> , 2018, 33, 91-98.	0.8	2

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55	The use of copper slags as an aggregate replacement in asphalt mixes with RAP: Physical and chemical and mechanical behavioural analysis. <i>Construction and Building Materials</i> , 2018, 190, 427-438.	3.2	24
56	Experimental analysis of enhanced cement-sand-based geothermal grouting materials. <i>Construction and Building Materials</i> , 2018, 185, 481-488.	3.2	34
57	Self-Healing Capacity of Asphalt Mixtures Including By-Products Both as Aggregates and Heating Inductors. <i>Materials</i> , 2018, 11, 800.	1.3	29
58	Evaluation of LEED for Neighbourhood Development and Envision Rating Frameworks for Their Implementation in Poorer Countries. <i>Sustainability</i> , 2018, 10, 492.	1.6	17
59	Mechanical behavior of asphalt mixtures containing silica gels as warm additives. <i>Materials and Structures/Materiaux Et Constructions</i> , 2018, 51, 1.	1.3	10
60	Review of Climate Risk Analysis in Infrastructures. <i>International Review of Civil Engineering</i> , 2018, 9, 1.	0.3	1
61	Application of the Sustainable Infrastructure Rating System for Developing Countries (SIRSDEC) to a case study. <i>Environmental Science and Policy</i> , 2017, 69, 73-80.	2.4	25
62	Analysis of the skid resistance and adherence between layers of asphalt concretes modified by dry way with polymeric waste. <i>Construction and Building Materials</i> , 2017, 133, 163-170.	3.2	10
63	Reduction in the use of mineral aggregate by recycling cellulose ashes to decrease the aging of hot asphalt mixtures. <i>Construction and Building Materials</i> , 2017, 143, 547-557.	3.2	15
64	Porous asphalt mixture with alternative aggregates and crumb-rubber modified binder at reduced temperature. <i>Construction and Building Materials</i> , 2017, 150, 260-267.	3.2	14
65	Methodology for the development of a new Sustainable Infrastructure Rating System for Developing Countries (SIRSDEC). <i>Environmental Science and Policy</i> , 2017, 69, 65-72.	2.4	52
66	3D numerical modelling and experimental validation of an asphalt solar collector. <i>Applied Thermal Engineering</i> , 2017, 126, 678-688.	3.0	23
67	Energy Dissipating Devices in Falling Rock Protection Barriers. <i>Rock Mechanics and Rock Engineering</i> , 2017, 50, 603-619.	2.6	34
68	New Bidirectional Heavy Device for Launching Bridges Based on Inverted Caterpillar Mechanism. <i>Recent Patents on Mechanical Engineering</i> , 2017, 10, .	0.2	0
69	Development of an estimative model for the optimal tack coat dosage based on aggregate gradation of hot mix asphalt pavements. <i>Construction and Building Materials</i> , 2016, 118, 1-10.	3.2	7
70	Effect of copper slag addition on mechanical behavior of asphalt mixes containing reclaimed asphalt pavement. <i>Construction and Building Materials</i> , 2016, 119, 268-276.	3.2	37
71	Flexible membranes anchored to the ground for slope stabilisation: Numerical modelling of soil slopes using SPH. <i>Computers and Geotechnics</i> , 2016, 78, 1-10.	2.3	13
72	Complex Optimization of Heavy Duty Asphalt Pavement Types in DURABROADS Project. <i>Transportation Research Procedia</i> , 2016, 14, 3519-3526.	0.8	5

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73	Evaluation of existing sustainable infrastructure rating systems for their application in developing countries. <i>Ecological Indicators</i> , 2016, 71, 491-502.	2.6	82
74	Decision aid system founded on nonlinear valuation, dispersion-based weighting and correlative aggregation for wire rope selection in slope stability cable nets. <i>Expert Systems With Applications</i> , 2016, 54, 148-154.	4.4	2
75	Comparative analysis of the performance of asphalt concretes modified by dry way with polymeric waste. <i>Construction and Building Materials</i> , 2016, 112, 1133-1140.	3.2	92
76	Laboratory Study on the Stormwater Retention and Runoff Attenuation Capacity of Four Permeable Pavements. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	0.7	28
77	Design and Construction Methods of Caisson-Type Maritime Infrastructures Using GFRP. <i>Journal of Composites for Construction</i> , 2016, 20, .	1.7	7
78	Nuevo método de lanzamiento y sistema de empuje de puentes metálicos. Bases conceptuales. <i>Hormigon Y Acero</i> , 2015, 66, 151-163.	0.1	0
79	Closure to "Relationship between Urban Runoff Pollutant and Catchment Characteristics" by Jorge Rodríguez-Hernández, Andrés H. Fernández-Barrera, Valerio C. A. Andrés-Valeri, Angel Vega-Zamanillo, and Daniel Castro-Fresno. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2015, 141, 07015016.	0.6	1
80	Study of the Raveling Resistance of Porous Asphalt Pavements Used in Sustainable Drainage Systems Affected by Hydrocarbon Spills. <i>Sustainability</i> , 2015, 7, 16226-16236.	1.6	19
81	Sustainability in construction works: Reuse of sludge from tunnel boring in lime mortars. <i>Applied Clay Science</i> , 2015, 114, 402-406.	2.6	5
82	Behaviour of geotextiles designed for pervious pavements as a support for biofilm development. <i>Geotextiles and Geomembranes</i> , 2015, 43, 139-147.	2.3	10
83	Evaluation of reflective cracking in pavements using a new procedure that combine loads with different frequencies. <i>Construction and Building Materials</i> , 2015, 75, 368-374.	3.2	50
84	Glass fiber-reinforced polymer caissons used for construction of mooring dolphins in Puerto del Rosario harbor (Fuerteventura, Canary Islands). <i>Coastal Engineering</i> , 2015, 98, 16-25.	1.7	9
85	Experimental study of the behaviour of different geosynthetics as anti-reflective cracking systems using a combined-load fatigue test. <i>Geotextiles and Geomembranes</i> , 2015, 43, 345-350.	2.3	40
86	Experimental study on stiffness development of asphalt mixture containing cement and Ca(OH) ₂ as contribution filler. <i>Materials & Design</i> , 2015, 74, 157-163.	5.1	46
87	How to correct the ambient temperature influence on the thermal response test results. <i>Applied Thermal Engineering</i> , 2015, 82, 39-47.	3.0	18
88	Experimental characterization and performance evaluation of geothermal grouting materials subjected to heating-cooling cycles. <i>Construction and Building Materials</i> , 2015, 98, 583-592.	3.2	45
89	Patch loading in slender and high depth steel panels: FEM-DOE analyses and bridge launching application. <i>Engineering Structures</i> , 2015, 83, 74-85.	2.6	10
90	Effects of sea water environment on glass fiber reinforced plastic materials used for marine civil engineering constructions. <i>Materials & Design</i> , 2015, 66, 46-50.	5.1	79

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91	Field Study of Infiltration Capacity Reduction of Porous Mixture Surfaces. <i>Water (Switzerland)</i> , 2014, 6, 661-669.	1.2	17
92	Water quality and quantity assessment of pervious pavements performance in experimental car park areas. <i>Water Science and Technology</i> , 2014, 69, 1526-1533.	1.2	44
93	Damage evaluation during installation of geosynthetics used in asphalt pavements. <i>Geosynthetics International</i> , 2014, 21, 377-386.	1.5	18
94	Infiltration Behaviour of Polymer-modified Porous Concrete and Porous Asphalt Surfaces used in Sustainable Techniques. <i>Clean - Soil, Air, Water</i> , 2014, 42, 139-145.	0.7	23
95	Improvement of a System for Catchment, Pretreatment, and Treatment of Runoff Water Using PIV Tests and Numerical Simulation. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2014, 140, 04014028.	0.6	3
96	FEM-based Numerical Simulation of Water Flow Through a Road Shoulder Structure. <i>International Journal of Nonlinear Sciences and Numerical Simulation</i> , 2014, 15, 57-67.	0.4	2
97	New mechanism for continuous and bidirectional displacement of heavy structures: Design and analysis. <i>Automation in Construction</i> , 2014, 44, 47-55.	4.8	4
98	Comparative analysis of the outflow water quality of two sustainable linear drainage systems. <i>Water Science and Technology</i> , 2014, 70, 1341-1347.	1.2	19
99	Environmental and mechanical aspects of an anchored mesh for stabilisation of a cliff at La Alhambra. <i>Bulletin of Engineering Geology and the Environment</i> , 2014, 73, 667-685.	1.6	4
100	Freeze-thaw durability of cement-based geothermal grouting materials. <i>Construction and Building Materials</i> , 2014, 55, 390-397.	3.2	26
101	Bridge-structure interaction analysis of a new bidirectional and continuous launching bridge mechanism. <i>Engineering Structures</i> , 2014, 59, 298-307.	2.6	6
102	New launching method for steel bridges based on a self-supporting deck system: FEM and DOE analyses. <i>Automation in Construction</i> , 2014, 44, 183-196.	4.8	11
103	Influence of early colour degradation of asphalt pavements on their thermal behaviour. <i>Construction and Building Materials</i> , 2014, 65, 432-439.	3.2	16
104	Test methods and influential factors for analysis of bonding between bituminous pavement layers. <i>Construction and Building Materials</i> , 2013, 43, 372-381.	3.2	59
105	Thermal and hydraulic analysis of multilayered asphalt pavements as active solar collectors. <i>Applied Energy</i> , 2013, 111, 324-332.	5.1	72
106	Temperature Performance of Different Pervious Pavements: Rainwater Harvesting for Energy Recovery Purposes. <i>Water Resources Management</i> , 2013, 27, 5003.	1.9	12
107	Effect of warm additives on rutting and fatigue behaviour of asphalt mixtures. <i>Construction and Building Materials</i> , 2013, 47, 240-244.	3.2	25
108	Asphalt solar collectors: A literature review. <i>Applied Energy</i> , 2013, 102, 962-970.	5.1	153

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109	Borehole thermal response and thermal resistance of four different grouting materials measured with a TRT. Applied Thermal Engineering, 2013, 53, 13-20.	3.0	59
110	Field measurements of anchored flexible systems for slope stabilisation: Evidence of passive behaviour. Engineering Geology, 2013, 153, 95-104.	2.9	16
111	EXPERIMENTAL STUDY OF BITUMINOUS MASTIC BEHAVIOUR USING DIFFERENT FILLERS BASED ON THE UCL METHOD. Journal of Civil Engineering and Management, 2013, 19, 149-157.	1.9	7
112	Study of different grouting materials used in vertical geothermal closed-loop heat exchangers. Applied Thermal Engineering, 2013, 50, 159-167.	3.0	60
113	New procedure to control the tack coat applied between bituminous pavement layers. Construction and Building Materials, 2013, 44, 228-235.	3.2	14
114	Relationship between Urban Runoff Pollutant and Catchment Characteristics. Journal of Irrigation and Drainage Engineering - ASCE, 2013, 139, 833-840.	0.6	16
115	Laboratory analysis of the infiltration capacity of interlocking concrete block pavements in car parks. Water Science and Technology, 2013, 67, 675-681.	1.2	24
116	Monitoring and Evaluation of the Thermal Behavior of Permeable Pavements for Energy Recovery Purposes in an Experimental Parking Lot: Preliminary Results. Journal of Energy Engineering - ASCE, 2013, 139, 230-237.	1.0	9
117	Sustainable Drainage Practices in Spain, Specially Focused on Pervious Pavements. Water (Switzerland), 2013, 5, 67-93.	1.2	59
118	Abrasive wear evolution in concrete pavements. Road Materials and Pavement Design, 2012, 13, 534-548.	2.0	20
119	Characterization of Infiltration Capacity of Permeable Pavements with Porous Asphalt Surface Using Cantabrian Fixed Infiltrometer. Journal of Hydrologic Engineering - ASCE, 2012, 17, 597-603.	0.8	29
120	Field experimental study of traffic-induced turbulence on highways. Atmospheric Environment, 2012, 61, 189-196.	1.9	18
121	Numerical and experimental study of a new type of clip for joining cables. Engineering Structures, 2012, 44, 107-121.	2.6	4
122	Nonlinear numerical simulation of rainwater infiltration through road embankments by FEM. Applied Mathematics and Computation, 2012, 219, 1843-1852.	1.4	9
123	Effect of Type of Compaction on Mechanical Properties in Warm-Mix Asphalts. Journal of Materials in Civil Engineering, 2012, 24, 1043-1049.	1.3	10
124	Influence of surface macro-texture and binder dosage on the adhesion between bituminous pavement layers. Construction and Building Materials, 2012, 28, 187-192.	3.2	55
125	Evaluation of water effect on bituminous mastics with different contribution fillers and binders. Construction and Building Materials, 2012, 29, 339-347.	3.2	15
126	Lime Stabilization of bentonite sludge from tunnel boring. Applied Clay Science, 2011, 51, 250-257.	2.6	31

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127	Stabilization of sludge from earth pressure balance for use in earth embankments. Applied Clay Science, 2011, 53, 533-537.	2.6	3
128	Flexible systems anchored to the ground for slope stabilisation: Critical review of existing design methods. Engineering Geology, 2011, 122, 129-145.	2.9	27
129	Analysis and Contrast of Different Pervious Pavements for Management of Storm-Water in a Parking Area in Northern Spain. Water Resources Management, 2011, 25, 1525-1535.	1.9	50
130	Long-term analysis of clogging and oil bio-degradation in a System of Catchment, Pre-treatment and Treatment (SCPT). Journal of Hazardous Materials, 2011, 185, 1221-1227.	6.5	9
131	Energy consumption during compaction with a Gyrotory Intensive Compactor Tester. Estimation models. Construction and Building Materials, 2011, 25, 979-986.	3.2	25
132	Evaluation of compactability and mechanical properties of bituminous mixes with warm additives. Construction and Building Materials, 2011, 25, 2304-2311.	3.2	108
133	Steady state numerical simulation of the particle collection efficiency of a new urban sustainable gravity settler using design of experiments by FVM. Applied Mathematics and Computation, 2011, 217, 8166-8178.	1.4	4
134	Evaluation of anti-reflective cracking systems using geosynthetics in the interlayer zone. Geotextiles and Geomembranes, 2011, 29, 130-136.	2.3	80
135	Effects of aggregate shape and size and surfactants on the resilient modulus of bituminous mixes. Canadian Journal of Civil Engineering, 2011, 38, 893-899.	0.7	9
136	Classification and Comparison of Snow Fences for the Protection of Transport Infrastructures. Journal of Cold Regions Engineering - ASCE, 2011, 25, 162-181.	0.5	10
137	Design and construction of an experimental pervious paved parking area to harvest reusable rainwater. Water Science and Technology, 2011, 64, 1942-1950.	1.2	15
138	Sustainable Asphalt Mixes: Use of Additives and Recycled Materials. Baltic Journal of Road and Bridge Engineering, 2011, 6, 249-257.	0.4	16
139	New procedure for measuring adherence between a geosynthetic material and a bituminous mixture. Geotextiles and Geomembranes, 2010, 28, 483-489.	2.3	61
140	Dynamic modulus of asphalt mixture by ultrasonic direct test. NDT and E International, 2010, 43, 629-634.	1.7	60
141	Nonlinear explicit analysis and study of the behaviour of a new ring-type brake energy dissipator by FEM and experimental comparison. Applied Mathematics and Computation, 2010, 216, 1571-1582.	1.4	11
142	Review of seasonal heat storage in large basins: Water tanks and gravel "water pits. Applied Energy, 2010, 87, 390-397.	5.1	198
143	Comparative analysis of TIG welding distortions between austenitic and duplex stainless steels by FEM. Applied Thermal Engineering, 2010, 30, 2448-2459.	3.0	47
144	Numerical simulation of the performance of a snow fence with airfoil snow plates by FVM. Journal of Computational and Applied Mathematics, 2010, 234, 1200-1210.	1.1	23

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145	Técnicas para contener el manto de nieve en la zona de inicio de avalanchas. Revista De La Construcción, 2010, 9, 39-52.	0.5	4
146	Laboratory analysis of a system for catchment, pre-treatment and treatment (SCPT) of runoff from impervious pavements. Water Science and Technology, 2010, 61, 1845-1852.	1.2	5
147	Performance of pervious pavement parking bays storing rainwater in the north of Spain. Water Science and Technology, 2010, 62, 615-621.	1.2	30
148	Long-Term Simulation of a System for Catchment, Pretreatment, and Treatment of Polluted Runoff Water. Journal of Environmental Engineering, ASCE, 2010, 136, 1442-1446.	0.7	9
149	Non-linear analysis of cable networks by FEM and experimental validation. International Journal of Computer Mathematics, 2009, 86, 301-313.	1.0	13
150	Design and Evaluation of Two Laboratory Tests for the Nets of a Flexible Anchored Slope Stabilization System. Geotechnical Testing Journal, 2009, 32, 315-324.	0.5	3
151	Restauración del Tajo de San Pedro en La Alhambra de Granada. Aspectos de cálculo. Informes De La Construcción, 2009, 61, 81-92.	0.1	2
152	ANÁLISIS TÉRMICO DE GEOSINTÉTICOS UTILIZADOS EN LA REHABILITACIÓN DE LA REHABILITACIÓN DE PAVIMENTOS. Ingeniare, 2009, 17, .	0.1	2
153	Effect of dry-shaking treatment on concrete pavement properties. Construction and Building Materials, 2008, 22, 2202-2211.	3.2	10
154	Evaluation of the resistant capacity of cable nets using the finite element method and experimental validation. Engineering Geology, 2008, 100, 1-10.	2.9	46
155	Evolution of penetration resistance in fresh concrete. Cement and Concrete Research, 2008, 38, 649-659.	4.6	22
156	Infiltration Capacity Assessment of Urban Pavements Using the LCS Permeameter and the CP Infiltrometer. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 659-665.	0.6	15
157	Runoff infiltration to permeable paving in clogged conditions. Urban Water Journal, 2008, 5, 117-124.	1.0	28
158	The influence of paving-block shape on the infiltration capacity of permeable paving. Land Contamination and Reclamation, 2007, 15, 335-344.	0.4	7
159	Influence of asphalt cement type and oven type on asphalt retention capacity of paving geotextiles. Geosynthetics International, 2006, 13, 83-86.	1.5	4
160	Synthesis, characterisation and mechanical impact of novel capsules using porous aggregates containing asphalt rejuvenator as an effective way to restore aged binder properties. International Journal of Pavement Engineering, 0, , 1-18.	2.2	2