

Xiaoming Huang

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5820745/xiaoming-huang-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

165
papers

4,191
citations

37
h-index

58
g-index

178
ext. papers

5,030
ext. citations

3.8
avg, IF

6.09
L-index

#	Paper	IF	Citations
165	Catalytic depolymerization of lignin in supercritical ethanol. <i>ChemSusChem</i> , 2014 , 7, 2276-88	8.3	262
164	Ethanol as capping agent and formaldehyde scavenger for efficient depolymerization of lignin to aromatics. <i>Green Chemistry</i> , 2015 , 17, 4941-4950	10	195
163	Role of CuMgAl Mixed Oxide Catalysts in Lignin Depolymerization in Supercritical Ethanol. <i>ACS Catalysis</i> , 2015 , 5, 7359-7370	13.1	126
162	Study on combustion mechanism of asphalt binder by using TG-FTIR technique. <i>Fuel</i> , 2010 , 89, 2185-2190	7.1	125
161	Reductive fractionation of woody biomass into lignin monomers and cellulose by tandem metal triflate and Pd/C catalysis. <i>Green Chemistry</i> , 2017 , 19, 175-187	10	119
160	Property Characterization of Asphalt Binders and Mixtures Modified by Different Crumb Rubbers. <i>Journal of Materials in Civil Engineering</i> , 2017 , 29, 04017036	3	99
159	Production of cyclohexane from lignin degradation compounds over Ni/ZrO ₂ /BiO ₂ catalysts. <i>Applied Energy</i> , 2013 , 112, 533-538	10.7	86
158	Simulation of wheel tracking test for asphalt mixture using discrete element modelling. <i>Road Materials and Pavement Design</i> , 2018 , 19, 367-384	2.6	81
157	Effective Release of Lignin Fragments from Lignocellulose by Lewis Acid Metal Triflates in the Lignin-First Approach. <i>ChemSusChem</i> , 2016 , 9, 3262-3267	8.3	80
156	Investigation into causes of in-place rutting in asphalt pavement. <i>Construction and Building Materials</i> , 2012 , 28, 525-530	6.7	80
155	Discovery of a silicon-based ferrimagnetic wheel structure in V(x)Si(12)(-) (x = 1-3) clusters: photoelectron spectroscopy and density functional theory investigation. <i>Nanoscale</i> , 2014 , 6, 14617-21	7.7	76
154	Finite element simulation and experimental investigation on the residual stress-related monolithic component deformation. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 77, 1035-1041	3.2	71
153	MiR-361-5p acts as a tumor suppressor in prostate cancer by targeting signal transducer and activator of transcription-6(STAT6). <i>Biochemical and Biophysical Research Communications</i> , 2014 , 445, 151-6	3.4	70
152	Magnetic properties of atomic clusters and endohedral metallofullerenes. <i>Coordination Chemistry Reviews</i> , 2015 , 289-290, 315-340	23.2	69
151	Catalytic Depolymerization of Lignin and Woody Biomass in Supercritical Ethanol: Influence of Reaction Temperature and Feedstock. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 10864-10874	8.3	66
150	Pore structure analysis and properties evaluations of fly ash-based geopolymer foams by chemical foaming method. <i>Ceramics International</i> , 2018 , 44, 19989-19997	5.1	64
149	Mechanical and microstructural characteristics of different interfaces in cold recycled mixture containing cement and asphalt emulsion. <i>Journal of Cleaner Production</i> , 2020 , 258, 120674	10.3	62

148	Effect of air voids on the high-temperature creep behavior of asphalt mixture based on three-dimensional discrete element modeling. <i>Materials and Design</i> , 2016 , 89, 304-313	8.1	62
147	B28: the smallest all-boron cage from an ab initio global search. <i>Nanoscale</i> , 2015 , 7, 15086-90	7.7	60
146	Comprehensive genetic algorithm for ab initio global optimisation of clusters. <i>Molecular Simulation</i> , 2016 , 42, 809-819	2	59
145	Selective production of mono-aromatics from lignocellulose over Pd/C catalyst: the influence of acid co-catalysts. <i>Faraday Discussions</i> , 2017 , 202, 141-156	3.6	58
144	Evaluation of the diffusion and distribution of the rejuvenator for hot asphalt recycling. <i>Construction and Building Materials</i> , 2015 , 98, 530-536	6.7	58
143	A TG-FTIR investigation into smoke suppression mechanism of magnesium hydroxide in asphalt combustion process. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010 , 87, 217-223	6	58
142	Predicting Dynamic Shear Modulus of Asphalt Mastics Using Discretized-Element Simulation and Reinforcement Mechanisms. <i>Journal of Materials in Civil Engineering</i> , 2019 , 31, 04019163	3	57
141	Microstructure of synthetic composite interfaces and verification of mixing order in cold-recycled asphalt emulsion mixture. <i>Journal of Cleaner Production</i> , 2020 , 263, 121467	10.3	56
140	Laboratory performance characteristics of high modulus asphalt mixture with high-content RAP. <i>Construction and Building Materials</i> , 2015 , 101, 975-982	6.7	53
139	Coupling organosolv fractionation and reductive depolymerization of woody biomass in a two-step catalytic process. <i>Green Chemistry</i> , 2018 , 20, 2308-2319	10	53
138	Selective Production of Biobased Phenol from Lignocellulose-Derived Alkylmethoxyphenols. <i>ACS Catalysis</i> , 2018 , 8, 11184-11190	13.1	51
137	Structures and Electronic Properties of $V_3\text{Si}_n$ ($n = 3-4$) Clusters: A Combined Ab Initio and Experimental Study. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 10987-10994	3.8	50
136	Investigation of the shape, size, angularity and surface texture properties of coarse aggregates. <i>Construction and Building Materials</i> , 2012 , 34, 330-336	6.7	49
135	Stabilization of Highly Expansive Black Cotton Soils by Means of Geopolymerization. <i>Journal of Materials in Civil Engineering</i> , 2017 , 29, 04017170	3	48
134	Algorithms for Generating Three-Dimensional Aggregates and Asphalt Mixture Samples by the Discrete-Element Method. <i>Journal of Computing in Civil Engineering</i> , 2013 , 27, 111-117	5	48
133	Experimental study of deicing asphalt mixture with anti-icing additives. <i>Construction and Building Materials</i> , 2016 , 127, 653-662	6.7	44
132	Atomic structures and electronic properties of small AuAg binary clusters: Effects of size and composition. <i>Computational and Theoretical Chemistry</i> , 2012 , 993, 36-44	2	42
131	Discrete-Element Contour-Filling Modeling Method for Micromechanical and Macromechanical Analysis of Aggregate Skeleton of Asphalt Mixture. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2019 , 145, 04018056	1.4	42

130	Engineering and mineralogical properties of stabilized expansive soil compositing lime and natural pozzolans. <i>Construction and Building Materials</i> , 2018 , 187, 1031-1038	6.7	41
129	Investigation into the properties of asphalt mixtures containing magnesium hydroxide flame retardant. <i>Fire Safety Journal</i> , 2011 , 46, 330-334	3.3	38
128	Effects of double layer porous asphalt pavement of urban streets on noise reduction. <i>International Journal of Sustainable Built Environment</i> , 2016 , 5, 183-196		37
127	Laboratory Investigation of Crumb Rubber Modified Asphalt Binder and Mixtures with Warm-Mix Additives. <i>International Journal of Civil Engineering</i> , 2017 , 15, 185-194	1.9	35
126	Characteristics of desulfurized rubber asphalt and mixture. <i>KSCE Journal of Civil Engineering</i> , 2016 , 20, 1347-1355	1.9	35
125	Mechanical evaluation of aggregate gradation to characterize load carrying capacity and rutting resistance of asphalt mixtures. <i>Construction and Building Materials</i> , 2019 , 205, 499-510	6.7	34
124	Impacts of air-void structures on the rutting tests of asphalt concrete based on discretized emulsion. <i>Construction and Building Materials</i> , 2018 , 166, 334-344	6.7	33
123	Discrete element modeling of asphalt concrete cracking using a user-defined three-dimensional micromechanical approach. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011 , 26, 1215-1221	1	32
122	The performance of hot-recycling asphalt binder containing crumb rubber modified asphalt based on physiochemical and rheological measurements. <i>Construction and Building Materials</i> , 2019 , 226, 83-93	6.7	31
121	Mechanistic Sieve-Size Classification of Aggregate Gradation by Characterizing Load-Carrying Capacity of Inner Structures. <i>Journal of Engineering Mechanics - ASCE</i> , 2019 , 145, 04019069	2.4	31
120	Aging Behaviour and Mechanism of SBS-Modified Asphalt. <i>Journal of Testing and Evaluation</i> , 2012 , 40, 20120150	1	31
119	Development of shape memory polyurethane based sealant for concrete pavement. <i>Construction and Building Materials</i> , 2018 , 174, 474-483	6.7	29
118	Behavior of Thermoset Shape Memory Polymer-Based Syntactic Foam Sealant Trained by Hybrid Two-Stage Programming. <i>Journal of Materials in Civil Engineering</i> , 2013 , 25, 393-402	3	29
117	Combustion mechanism of asphalt binder with TGMS technique based on components separation. <i>Construction and Building Materials</i> , 2015 , 80, 125-131	6.7	28
116	Evaluating the rutting resistance of asphalt mixtures using a simplified triaxial repeated load test. <i>Construction and Building Materials</i> , 2016 , 116, 72-78	6.7	28
115	Micromechanical characteristics of aggregate particles in asphalt mixtures. <i>Construction and Building Materials</i> , 2015 , 91, 80-85	6.7	27
114	Numerical investigation into the stiffness anisotropy of asphalt concrete from a microstructural perspective. <i>Construction and Building Materials</i> , 2011 , 25, 3059-3065	6.7	27
113	Inhibitory action of flame retardant on the dynamic evolution of asphalt pyrolysis volatiles. <i>Fuel</i> , 2013 , 105, 757-763	7.1	26

112	Structures and electronic properties of BSi (n = 4-10) clusters: A combined ab initio and experimental study. <i>Journal of Chemical Physics</i> , 2017 , 146, 044306	3.9	24
111	Low-Energy Structures of Binary PtSn Clusters from Global Search Using Genetic Algorithm and Density Functional Theory. <i>Journal of Cluster Science</i> , 2015 , 26, 389-409	3	24
110	A reduced FVE formulation based on POD method and error analysis for two-dimensional viscoelastic problem. <i>Journal of Mathematical Analysis and Applications</i> , 2012 , 385, 310-321	1.1	24
109	Fiber reinforcing effect on asphalt binder under low temperature. <i>Construction and Building Materials</i> , 2014 , 61, 120-124	6.7	24
108	Experimental study of recycled asphalt concrete modified by high-modulus agent. <i>Construction and Building Materials</i> , 2016 , 128, 128-135	6.7	23
107	Evaluation of Vehicle Braking Performance on Wet Pavement Surface using an Integrated Tire-Vehicle Modeling Approach. <i>Transportation Research Record</i> , 2019 , 2673, 295-307	1.7	22
106	Permeability Loss of Open-Graded Friction Course Mixtures due to Deformation-Related and Particle-Related Clogging: Understanding from a Laboratory Investigation. <i>Journal of Materials in Civil Engineering</i> , 2015 , 27, 04015023	3	22
105	Lowest-energy structures of (WO ₃) _n (2 ≤ n ≤ 2) clusters from first-principles global search. <i>Chemical Physics Letters</i> , 2012 , 544, 7-12	2.5	21
104	Which Density Functional Should Be Used to Describe Protonated Water Clusters?. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 3117-3127	2.8	20
103	Design of three-shell icosahedral matryoshka clusters A@B@A ₂ (A = Sn, Pb; B = Mg, Zn, Cd, Mn). <i>Scientific Reports</i> , 2014 , 4, 6915	4.9	20
102	Degradation evaluation index of asphalt pavement based on mechanical performance of asphalt mixture. <i>Construction and Building Materials</i> , 2017 , 140, 75-81	6.7	19
101	Investigation of micro-mechanical response of asphalt mixtures by a three-dimensional discrete element model. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2015 , 30, 338-343	1	19
100	Influence of precast foam on the pore structure and properties of fly ash-based geopolymer foams. <i>Construction and Building Materials</i> , 2020 , 256, 119410	6.7	19
99	Real-time identification system of asphalt pavement texture based on the close-range photogrammetry. <i>Construction and Building Materials</i> , 2019 , 226, 910-919	6.7	17
98	Locating Global Critical Slip Surface Using the Morgenstern-Price Method and Optimization Technique. <i>International Journal of Geomechanics</i> , 2014 , 14, 319-325	3.1	17
97	Strength Mechanism and Influence Factors for Cold Recycled Asphalt Mixture. <i>Advances in Materials Science and Engineering</i> , 2015 , 2015, 1-10	1.5	17
96	Foamed geopolymer: The relationship between rheological properties of geopolymer paste and pore-formation mechanism. <i>Journal of Cleaner Production</i> , 2020 , 277, 123238	10.3	17
95	Compound rejuvenation of polymer modified asphalt binder. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010 , 25, 1070-1076	1	16

94	Investigation of rutting behavior of asphalt pavement in long and steep section of mountainous highway with overloading. <i>Construction and Building Materials</i> , 2015 , 93, 635-643	6.7	15
93	Combustion properties of asphalt binder containing flame retardant. <i>Fire and Materials</i> , 2012 , 36, 97-106	6.8	15
92	A New Creep Test Method for Asphalt Mixtures. <i>Road Materials and Pavement Design</i> , 2010 , 11, 969-991	2.6	15
91	Prediction of dynamic shear modulus of fine aggregate matrix using discrete element method and modified Hirsch model. <i>Mechanics of Materials</i> , 2019 , 138, 103148	3.3	14
90	Structural evolution and electronic properties of medium-sized gallium clusters from ab initio genetic algorithm search. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 132-7	1.3	13
89	Integrated Experimental and Numerical Study on Permanent Deformation of Asphalt Pavement at Intersections. <i>Journal of Materials in Civil Engineering</i> , 2013 , 25, 907-912	3	13
88	Design and Evaluation of Heat-Resistant Asphalt Mixture for Permafrost Regions. <i>International Journal of Civil Engineering</i> , 2016 , 14, 339-346	1.9	13
87	Revisit the landscape of protonated water clusters H(HO) with n = 10-17: An ab initio global search. <i>Journal of Chemical Physics</i> , 2018 , 148, 174305	3.9	12
86	Dynamic evolution of emitted volatiles from thermal decomposed bituminous materials. <i>Construction and Building Materials</i> , 2014 , 64, 47-53	6.7	12
85	Research on Performance of a Dense Graded Ultra-Thin Wearing Course Mixture. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 800	2.6	12
84	Numerical Study of Tire Hydroplaning Based on Power Spectrum of Asphalt Pavement and Kinetic Friction Coefficient. <i>Advances in Materials Science and Engineering</i> , 2017 , 2017, 1-11	1.5	11
83	The compaction characteristics of hot mixed asphalt mixtures. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2014 , 29, 956-959	1	11
82	Predicting the dynamic behavior of asphalt concrete using three-dimensional discrete element method. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012 , 27, 382-388	1	11
81	Combustion Properties and Multistage Kinetics Models of Asphalt Binder Filled with Flame Retardant. <i>Combustion Science and Technology</i> , 2011 , 183, 1027-1038	1.5	11
80	Gradation Design of the Aggregate Skeleton in Asphalt Mixture. <i>Journal of Testing and Evaluation</i> , 2012 , 40, 20120142	1	11
79	High-viscosity modified asphalt mixtures for double-layer porous asphalt pavement: Design optimization and evaluation metrics. <i>Construction and Building Materials</i> , 2021 , 271, 121893	6.7	11
78	Developing an Optical Image-Based Method for Bridge Deformation Measurement Considering Camera Motion. <i>Sensors</i> , 2018 , 18,	3.8	11
77	CrackW-Net: A Novel Pavement Crack Image Segmentation Convolutional Neural Network. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-10	6.1	11

76	Thermal stability investigation of wide embankment with asphalt pavement for Qinghai-Tibet expressway based on finite element method. <i>Applied Thermal Engineering</i> , 2017 , 115, 874-884	5.8	10
75	Structures and Spectroscopic Properties of F(HO) with n = 1-10 Clusters from a Global Search Based On Density Functional Theory. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 3413-3422	2.8	10
74	A feasibility study exploring limestone in porous asphalt concrete: Performance evaluation and superpave compaction characteristics. <i>Construction and Building Materials</i> , 2021 , 279, 122457	6.7	10
73	Revisit of large-gap Si clusters encapsulating group-IV metal atoms (Ti, Zr, Hf). <i>Journal of Computational Chemistry</i> , 2018 , 39, 2268-2272	3.5	10
72	Hydrated Sodium Ion Clusters [Na(HO) (= 1-6)]: An Study on Structures and Non-covalent Interaction. <i>Frontiers in Chemistry</i> , 2019 , 7, 624	5	9
71	Experimental Study to Determine the Most Preferred Additive for Improving Asphalt Performance Using Polypropylene, Crumb Rubber, and Tafpack Super in Medium and High-Temperature Range. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 1567	2.6	9
70	Rubberized asphalt mixture design using a theoretical model. <i>Construction and Building Materials</i> , 2014 , 67, 265-269	6.7	9
69	Design method and performance for large stone porous asphalt mixtures. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010 , 25, 871-876	1	9
68	Using RAP Material in High Modulus Asphalt Mixture. <i>Journal of Testing and Evaluation</i> , 2016 , 44, 20150194	1	9
67	Influences by Air Voids on the Low-Temperature Cracking Property of Dense-Graded Asphalt Concrete Based on Micromechanical Modeling. <i>Advances in Materials Science and Engineering</i> , 2016 , 2016, 1-10	1.5	9
66	Structures and electronic properties of neutral and anionic Can (n=202) clusters. <i>Chemical Physics Letters</i> , 2015 , 634, 255-260	2.5	8
65	Effects of flow rates and layer thicknesses for aggregate conveying process on the prediction accuracy of aggregate gradation by image segmentation based on machine vision. <i>Construction and Building Materials</i> , 2019 , 222, 566-578	6.7	8
64	Stress and deformation due to embankment widening with different treatment techniques. <i>Central South University</i> , 2011 , 18, 1304-1310		8
63	Pyrolysis properties and kinetic model of an asphalt binder containing a flame retardant. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 2661-2665	2.9	8
62	Analysis of the Low-Temperature Rheological Properties of Rubberized Warm Mix Asphalt Binders. <i>Journal of Testing and Evaluation</i> , 2012 , 40, 20120147	1	8
61	Investigation of motion of coarse aggregates in asphalt mixture based on virtual simulation of compaction test. <i>International Journal of Pavement Engineering</i> , 2020 , 21, 144-156	2.6	8
60	Analysis of relationship between component changes and performance degradation of Waste-Oil-Rejuvenated asphalt. <i>Construction and Building Materials</i> , 2021 , 297, 123777	6.7	8
59	Modification of the dry method for mixing crumb rubber modifier with aggregate and asphalt based on the binder mix design. <i>Construction and Building Materials</i> , 2019 , 220, 278-284	6.7	7

58	Laboratory evaluation on the high temperature rheological properties of rubber asphalt: a preliminary study. <i>Canadian Journal of Civil Engineering</i> , 2012 , 39, 1125-1135	1.3	7
57	Ground state structures, electronic and optical properties of medium-sized Nan + (n = 9, 15, 21, 26, 31, 36, 41, 50 and 59) clusters from ab initio genetic algorithm. <i>European Physical Journal D</i> , 2013 , 67, 1	1.3	7
56	Comparison between responses of reinforced and unreinforced embankments due to road widening. <i>Central South University</i> , 2009 , 16, 857-864		7
55	Polishing of Asphalt Pavements: From Macro- to Micro-Scale. <i>Journal of Testing and Evaluation</i> , 2016 , 44, 20150271	1	7
54	Fatigue Resistance Evaluation of Modified Asphalt Using a Multiple Stress Creep and Recovery (MSCR) Test. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 417	2.6	7
53	Scaling-Up Catalytic Depolymerisation of Lignin: Performance Criteria for Industrial Operation. <i>Topics in Catalysis</i> , 2018 , 61, 1901-1911	2.3	7
52	Study on the void reduction behaviour of porous asphalt pavement based on discrete element method. <i>International Journal of Pavement Engineering</i> , 2017 , 18, 285-291	2.6	6
51	The Evaluation Method of Particle Clustering Phenomena in RAP. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 424	2.6	6
50	Algorithms for Generating Air-Void Structures of Idealized Asphalt Mixture Based on Three-Dimensional Discrete-Element Method. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2018 , 144, 04018023	1.4	6
49	Performance Characterization of Recycled-Asphalt Pavement with Stabilized Rubber Modified Asphalt Using Balanced Mix Design Method. <i>Journal of Materials in Civil Engineering</i> , 2020 , 32, 04020387 ³		6
48	Adhesion Characteristics of Tire-Asphalt Pavement Interface Based on a Proposed Tire Hydroplaning Model. <i>Advances in Materials Science and Engineering</i> , 2018 , 2018, 1-12	1.5	6
47	Revisit of Sin (n = 2109) Clusters by Ab Initio Global Search. <i>Journal of Cluster Science</i> , 2017 , 28, 1729-1737		5
46	Evaluation of Asphalt with Different Combinations of Fire Retardants. <i>Materials</i> , 2019 , 12,	3.5	5
45	Fatigue Evaluation of Recycled Asphalt Mixture Based on Energy-Controlled Mode. <i>Advances in Materials Science and Engineering</i> , 2017 , 2017, 1-7	1.5	5
44	Degradation Behavior and Mechanism of HMA Aggregate. <i>Journal of Testing and Evaluation</i> , 2012 , 40, 20120057	1	5
43	Investigation into High-Temperature Stability of Asphalt Pavement. <i>Journal of Testing and Evaluation</i> , 2012 , 40, 20120141	1	5
42	Effect of Mineral Additives on the Behavior of an Expansive Soil for Use in Highway Subgrade Soils. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 30	2.6	5
41	Numerical investigation into the effect of air voids on the anisotropy of asphalt mixtures. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017 , 32, 473-481	1	4

40	Innovative Approach for Pavement Runoff Characterization. <i>Journal of Performance of Constructed Facilities</i> , 2017 , 31, 04017047	2	4
39	Evolution of atomic structures of Sn, Sn _n , and SnCl clusters (N = 4-20): Insight from ab initio calculations. <i>Journal of Chemical Physics</i> , 2019 , 150, 174304	3.9	4
38	Analysis of contact behaviour on patterned tire-asphalt pavement with 3-D FEM contact model. <i>International Journal of Pavement Engineering</i> , 2020 , 1-16	2.6	4
37	Effects of aggregate size and specimen scale on asphalt mixture cracking using a micromechanical simulation approach. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2017 , 32, 1503-1510	1.1	4
36	Magnetic Anisotropy of Small Iron Clusters (n = 2-8). <i>Journal of Cluster Science</i> , 2016 , 27, 935-946	3	4
35	Atomic Structures and Electronic Properties of Large-Sized GeN Clusters (N = 45, 50, 55, 60, 65, 70) by First-Principles Global Search. <i>Journal of Cluster Science</i> , 2019 , 30, 371-377	3	4
34	Soil-atmosphere Interaction as Triggering Factors of Openings between Embankment and Pavement. <i>KSCE Journal of Civil Engineering</i> , 2018 , 22, 1642-1650	1.9	4
33	Field and numerical investigation of soil-atmosphere interaction at Nairobi, Kenya. <i>European Journal of Environmental and Civil Engineering</i> , 2017 , 21, 1326-1340	1.5	3
32	Low-Energy Structures and Electronic Properties of Large-Sized SiN Clusters (N = 60, 80, 100, 120, 150, 170). <i>Journal of Physical Chemistry C</i> , 2018 , 122, 11086-11095	3.8	3
31	Characterization of Air Voids Distribution in the Open-Graded Asphalt Mixture Based on 2D Image Analysis. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 4126	2.6	3
30	Degradation behaviour analysis of SMA aggregate and skeleton. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013 , 28, 1140-1145	1	3
29	Estimation of rheological properties of RAP binder. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010 , 25, 866-870	1	3
28	Numerical Study on the Effect of Coarse-Aggregate Morphology on Shear Performance. <i>Journal of Testing and Evaluation</i> , 2015 , 43, 20130067	1	3
27	A new Creep Test Method for Asphalt. <i>Road Materials and Pavement Design</i> , 2010 , 11, 969-991	2.6	3
26	Revision of Calculation of Stopping Sight Distance. <i>Baltic Journal of Road and Bridge Engineering</i> , 2011 , 6, 96-101	0.9	3
25	Structures, stabilities and electronic properties of Ti _m Si _n (m = 1-2, n = 14-20) clusters: a combined ab initio and experimental study. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	3
24	Effect of Carbon Black on Rutting and Fatigue Performance of Asphalt. <i>Materials</i> , 2021 , 14,	3.5	3
23	Skid resistance demands of asphalt pavement during the braking process of autonomous vehicles. <i>MATEC Web of Conferences</i> , 2019 , 275, 04002	0.3	2

22	Prediction of Remaining Service Life of Asphalt Pavement Using Dissipated Energy Method. <i>Journal of Transportation Engineering Part B: Pavements</i> , 2018 , 144, 04018011	1.4	2
21	Occurrence and impacts of hollow space under a continuously reinforced concrete pavement. <i>Road Materials and Pavement Design</i> , 2016 , 17, 203-222	2.6	2
20	Intelligent Compaction: An Improved Quality Monitoring and Control of Asphalt Pavement Construction Technology. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-8	6.1	2
19	Structural Evolution of Medium-Sized Phosphorus Clusters (P ₂₀ B ₃₆) from Ab Initio Global Search. <i>Journal of Cluster Science</i> , 2020 , 31, 567-574	3	2
18	Ground-State Structures of Hydrated Calcium Ion Clusters From Comprehensive Genetic Algorithm Search. <i>Frontiers in Chemistry</i> , 2021 , 9, 637750	5	2
17	Correlation Analysis between Mechanical Properties and Fractions Composition of Oil-Rejuvenated Asphalt.. <i>Materials</i> , 2022 , 15,	3.5	2
16	Acquisition method of asphalt pavement texture information based on the CPR Technology. <i>MATEC Web of Conferences</i> , 2019 , 275, 04003	0.3	1
15	Thermal Regime Analysis and Protective Measure Evaluation for Wide Embankment in Permafrost Regions of Qinghai-Tibet Plateau. <i>International Journal of Civil Engineering</i> , 2018 , 16, 1303-1316	1.9	1
14	Effects of Internal Structure on Anisotropic Creep Behavior of Asphalt Mixture Based on User-Defined Three-Dimensional Discrete Element Method. <i>Journal of Testing and Evaluation</i> , 2018 , 46, 20170742	1	1
13	Post-Intensive Care Syndrome in Children: A Concept Analysis. <i>Journal of Pediatric Nursing</i> , 2021 , 61, 417-423	2.2	1
12	Study on the Rut Control Threshold of Asphalt Pavement Considering Steering Stability of Autonomous Vehicles Based on Fuzzy Control Theory. <i>Advances in Civil Engineering</i> , 2021 , 2021, 1-13	1.3	1
11	High-temperature creep behavior characterization of asphalt mixture based on micromechanical modeling and virtual test. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2016 , 31, 1311-1318	1	1
10	Investigation of Thermal Cooling Effectiveness of RRVCS for Permafrost Protection under Wide Expressway Embankment. <i>Advances in Civil Engineering</i> , 2018 , 2018, 1-11	1.3	1
9	Advanced method for measuring asphalt viscosity: Rotational plate viscosity method and its application to asphalt construction temperature prediction. <i>Construction and Building Materials</i> , 2021 , 301, 124129	6.7	1
8	Asphalt Mixture Design and Thermology Experiments on Heat-Resistant Surfaces in Permafrost Regions. <i>Journal of Testing and Evaluation</i> , 2015 , 43, 20130117	1	0
7	Evaluation on Distribution Characteristics of Pore Water Pressure within Saturated Pavement Structure Based on the Proposed Tire-Fluid-Pavement Coupling Model. <i>Advances in Materials Science and Engineering</i> , 2022 , 2022, 1-12	1.5	
6	Mechanical Behavior of Concrete Pavement considering Void beneath Slabs and Joints LTE. <i>Advances in Civil Engineering</i> , 2020 , 2020, 1-13	1.3	
5	The Damage Analysis of Asphalt Pavement Under Repeated Loads. <i>Journal of Testing and Evaluation</i> , 2009 , 37, 003107	1	

4	Evaluation of the Fracture Resistance of Asphalt Mixtures Based on Bilinear Cohesive Zone Model. <i>Journal of Testing and Evaluation</i> , 2011 , 39, 103626	1
3	Numerical investigation on replacement depth of black cotton soil for controlling cracking of highway embankment. <i>European Journal of Environmental and Civil Engineering</i> , 1-20	1.5
2	Evaluation of the Additives Behaviour to Determine the Best Modifier for Improving Asphalt Performance at High Temperature. <i>Advances in Civil Engineering</i> , 2021 , 2021, 1-10	1.3
1	Evaluation on Braking Stability of Autonomous Vehicles Running along Curved Sections Based on Asphalt Pavement Adhesion Properties. <i>Journal of Advanced Transportation</i> , 2022 , 2022, 1-20	1.9