

Shuaicheng Guo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6060356/publications.pdf>

Version: 2024-02-01

64
papers

2,775
citations

201575

27
h-index

175177

52
g-index

64
all docs

64
docs citations

64
times ranked

1734
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of properties and performance of rubber-modified concrete for recycling of waste scrap tire. <i>Journal of Cleaner Production</i> , 2017, 148, 681-689.	4.6	234
2	A review on durability of fiber reinforced polymer (FRP) bars reinforced seawater sea sand concrete. <i>Construction and Building Materials</i> , 2020, 256, 119484.	3.2	211
3	A review on the deterioration and approaches to enhance the durability of concrete in the marine environment. <i>Cement and Concrete Composites</i> , 2020, 113, 103695.	4.6	177
4	Mechanical, durability, and microstructural properties of macro synthetic polypropylene (PP) fiber-reinforced rubber concrete. <i>Journal of Cleaner Production</i> , 2019, 234, 1351-1364.	4.6	167
5	Durability performance of rubberized mortar and concrete with NaOH-Solution treated rubber particles. <i>Construction and Building Materials</i> , 2017, 153, 496-505.	3.2	136
6	Investigation of properties and performances of Polyvinyl Alcohol (PVA) fiber-reinforced rubber concrete. <i>Construction and Building Materials</i> , 2018, 193, 631-642.	3.2	118
7	Mechanical property, nanopore structure and drying shrinkage of metakaolin-based geopolymer with waste glass powder. <i>Journal of Cleaner Production</i> , 2020, 242, 118502.	4.6	104
8	Evaluation of laboratory performance of self-consolidating concrete with recycled tire rubber. <i>Journal of Cleaner Production</i> , 2018, 180, 823-831.	4.6	100
9	A review on the tensile behavior of fiber-reinforced polymer composites under varying strain rates and temperatures. <i>Construction and Building Materials</i> , 2021, 294, 123565.	3.2	82
10	Mechanical behavior and durability of coral aggregate concrete and bonding performance with fiber-reinforced polymer (FRP) bars: A critical review. <i>Journal of Cleaner Production</i> , 2021, 289, 125652.	4.6	75
11	Improvements on high-temperature stability, rheology, and stiffness of asphalt binder modified with waste crayfish shell powder. <i>Journal of Cleaner Production</i> , 2020, 264, 121745.	4.6	65
12	Mechanical and durability performance evaluation of crumb rubber-modified epoxy polymer concrete overlays. <i>Construction and Building Materials</i> , 2019, 203, 469-480.	3.2	64
13	New innovations in pavement materials and engineering: A review on pavement engineering research 2021. <i>Journal of Traffic and Transportation Engineering (English Edition)</i> , 2021, 8, 815-999.	2.0	59
14	Atomic force microscope study of the aging/rejuvenating effect on asphalt morphology and adhesion performance. <i>Construction and Building Materials</i> , 2019, 205, 642-655.	3.2	58
15	A critical review of corrosion development and rust removal techniques on the structural/environmental performance of corroded steel bridges. <i>Journal of Cleaner Production</i> , 2019, 233, 126-146.	4.6	57
16	The effects of aging in seawater and SWSSC and strain rate on the tensile performance of GFRP/BFRP composites: A critical review. <i>Construction and Building Materials</i> , 2021, 282, 122534.	3.2	55
17	Fresh and mechanical performance and freeze-thaw durability of steel fiber-reinforced rubber self-compacting concrete (SRSCC). <i>Journal of Cleaner Production</i> , 2020, 277, 123180.	4.6	54
18	Performance and optimization of bio-oil/Buton rock asphalt composite modified asphalt. <i>Construction and Building Materials</i> , 2020, 264, 120235.	3.2	54

#	ARTICLE	IF	CITATIONS
19	Characteristics of Water-Foamed Asphalt Mixture under Multiple Freeze-Thaw Cycles: Laboratory Evaluation. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, .	1.3	53
20	Effect of alkalinity on the shear performance degradation of basalt fiber-reinforced polymer bars in simulated seawater sea sand concrete environment. <i>Construction and Building Materials</i> , 2021, 299, 123957.	3.2	53
21	Atomic-structure, microstructure and mechanical properties of glass powder modified metakaolin-based geopolymer. <i>Construction and Building Materials</i> , 2020, 254, 119303.	3.2	47
22	Reduced alkali-silica reaction damage in recycled glass mortar samples with supplementary cementitious materials. <i>Journal of Cleaner Production</i> , 2018, 172, 3621-3633.	4.6	45
23	Preparation of nano-xylan and its influences on the anti-fungi performance of straw fiber/HDPE composite. <i>Industrial Crops and Products</i> , 2021, 171, 113954.	2.5	42
24	A critical review on the performance of portland cement concrete with recycled organic components. <i>Journal of Cleaner Production</i> , 2018, 188, 92-112.	4.6	39
25	External sulfate attack on concrete under combined effects of flexural fatigue loading and drying-wetting cycles. <i>Construction and Building Materials</i> , 2020, 249, 118224.	3.2	36
26	Shear creep parameters of simulative soil for deep-sea sediment. <i>Journal of Central South University</i> , 2014, 21, 4682-4689.	1.2	33
27	Rapid microwave irradiation synthesis of carbon nanotubes on graphite surface and its application on asphalt reinforcement. <i>Composites Part B: Engineering</i> , 2017, 124, 134-143.	5.9	33
28	Ultrasonic scattering measurement of air void size distribution in hardened concrete samples. <i>Construction and Building Materials</i> , 2016, 113, 415-422.	3.2	29
29	Experimental investigation of physical properties and accelerated sunlight-healing performance of flake graphite and exfoliated graphite nanoplatelet modified asphalt materials. <i>Construction and Building Materials</i> , 2017, 134, 412-423.	3.2	29
30	Strength and durability of dry-processed stone matrix asphalt containing cement pre-coated scrap tire rubber particles. <i>Construction and Building Materials</i> , 2019, 214, 475-483.	3.2	26
31	Characteristics of calcareous sand filler and its influence on physical and rheological properties of asphalt mastic. <i>Construction and Building Materials</i> , 2021, 301, 124112.	3.2	26
32	Transverse low-velocity impact performance of BFRP bars after exposure to the saline-alkaline environment. <i>Construction and Building Materials</i> , 2021, 307, 124650.	3.2	26
33	Enhancement mechanism of the organic nano-montmorillonite and its effect on the properties of wood fiber/HDPE composite. <i>Industrial Crops and Products</i> , 2021, 169, 113634.	2.5	25
34	Leaching evaluation and performance assessments of asphalt mixtures with recycled cathode ray tube glass: A preliminary study. <i>Journal of Cleaner Production</i> , 2021, 279, 123716.	4.6	24
35	Property Analysis of Exfoliated Graphite Nanoplatelets Modified Asphalt Model Using Molecular Dynamics (MD) Method. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 43.	1.3	23
36	Evaluation of cathode ray tube (CRT) glass concrete with/without surface treatment. <i>Journal of Cleaner Production</i> , 2019, 226, 85-95.	4.6	23

#	ARTICLE	IF	CITATIONS
37	Microwave-healing performance of modified asphalt mixtures with flake graphite and exfoliated graphite nanoplatelet. <i>Construction and Building Materials</i> , 2018, 187, 865-875.	3.2	22
38	Influence of calcium content on the atomic structure and phase formation of alkali-activated cement binder. <i>Journal of the American Ceramic Society</i> , 2019, 102, 1479-1494.	1.9	21
39	Effect of calcium and lithium on alkali-silica reaction kinetics and phase development. <i>Cement and Concrete Research</i> , 2019, 115, 220-229.	4.6	20
40	Laboratory performance evaluation of both flake graphite and exfoliated graphite nanoplatelet modified asphalt composites. <i>Construction and Building Materials</i> , 2017, 149, 515-524.	3.2	19
41	Development of fatigue damage model of asphalt mixtures based on small-scale accelerated pavement test. <i>Construction and Building Materials</i> , 2020, 260, 119930.	3.2	19
42	Internal curing effect of saturated coral coarse aggregate in high-strength seawater sea sand concrete. <i>Construction and Building Materials</i> , 2022, 331, 127280.	3.2	19
43	Investigation on the freeze-thaw damage to the jointed plain concrete pavement under different climate conditions. <i>Frontiers of Structural and Civil Engineering</i> , 2018, 12, 227-238.	1.2	18
44	Design of pH-responsive SAP polymer for pore solution chemistry regulation and crack sealing in cementitious materials. <i>Composites Part B: Engineering</i> , 2020, 199, 108262.	5.9	18
45	Ultrasonic Techniques for Air Void Size Distribution and Property Evaluation in Both Early-Age and Hardened Concrete Samples. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 290.	1.3	16
46	X-ray CT characterization and fracture simulation of ASR damage of glass particles in alkaline solution and mortar. <i>Theoretical and Applied Fracture Mechanics</i> , 2017, 92, 76-88.	2.1	15
47	Kinetic analysis and thermodynamic simulation of alkali-silica reaction in cementitious materials. <i>Journal of the American Ceramic Society</i> , 2019, 102, 1463-1478.	1.9	13
48	Microstructure characterization of alkali-glass particle and alkali-glass powder reacted gels with neutron scattering and imaging techniques. <i>Materials Characterization</i> , 2017, 131, 98-107.	1.9	11
49	Performance Evaluation of the Polyurethane-Based Composites Prepared with Recycled Polymer Concrete Aggregate. <i>Materials</i> , 2020, 13, 616.	1.3	11
50	Surface-treated fish scale powder with silane coupling agent in asphalt for performance improvement: Conventional properties, rheology, and morphology. <i>Journal of Cleaner Production</i> , 2021, 311, 127772.	4.6	11
51	Improvement on the high-temperature stability and anti-aging performance of the rubberized asphalt binder with the Lucobit additive. <i>Construction and Building Materials</i> , 2021, 299, 124304.	3.2	11
52	Investigation on high-temperature resistance to permanent deformation of waste leather modified asphalt. <i>Construction and Building Materials</i> , 2021, 282, 122541.	3.2	10
53	High-Frequency Fatigue Performance of Cracked Mortar after Epoxy Grouting Reinforcement. <i>International Journal of Geomechanics</i> , 2019, 19, 04019035.	1.3	8
54	Evaluation and improvement on the freeze-thaw durability performance of the polyurethane stabilized Pisha sandstone for water and soil conservation. <i>Cold Regions Science and Technology</i> , 2020, 177, 103065.	1.6	8

#	ARTICLE	IF	CITATIONS
55	Nonlinear Fatigue Damage of Cracked Cement Paste after Grouting Enhancement. Applied Sciences (Switzerland), 2018, 8, 1105.	1.3	4
56	Flexural and Shear Bond Performance of Polyurethane-Mortar Interface under Micro- and Macroscale. Journal of Materials in Civil Engineering, 2019, 31, .	1.3	4
57	Hierarchical Structure and Mechanical Properties of Fish Scales from Lutjanidae with Different Habitat Depths. Journal of Fish Biology, 2021, , .	0.7	4
58	Effect of brucite fibers and early strength agent on cement stabilized macadam in Alpine regions. International Journal of Pavement Research and Technology, 2019, 12, 315-324.	1.3	3
59	Influence of surface roughness on the adhesion force between the titanium plate and deep-sea sediment. Marine Georesources and Geotechnology, 2021, 39, 1516-1524.	1.2	3
60	Study on Rubberized Concrete Reinforced with Different Fibers. ACI Materials Journal, 2019, 116, .	0.3	2
61	A new approach of quantitatively analyzing water states by neutron scattering in hardened cement paste. Materials Characterization, 2018, 136, 134-143.	1.9	1
62	Nanomodified asphalt mixture with enhanced performance. , 2019, , 187-201.		1
63	Dynamic flexural behavior of AR-glass textile reinforced concrete under low-velocity impact loading. Journal of Sustainable Cement-Based Materials, 2023, 12, 49-67.	1.7	1
64	Neutron scattering measurement of water content and chemical composition of alkali-glass powder reacted gel. Materials Characterization, 2018, 136, 165-174.	1.9	0