

# Fang Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,237  
citations

331670

21  
h-index

361022

35  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1174  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pore structure analysis and properties evaluations of fly ash-based geopolymer foams by chemical foaming method. <i>Ceramics International</i> , 2018, 44, 19989-19997.	4.8	120
2	Mix design and flexural toughness of PVA fiber reinforced fly ash-geopolymer composites. <i>Construction and Building Materials</i> , 2017, 150, 179-189.	7.2	101
3	Effect of silane coupling agent on improving the adhesive properties between asphalt binder and aggregates. <i>Construction and Building Materials</i> , 2018, 169, 591-600.	7.2	72
4	Foamed geopolymer: The relationship between rheological properties of geopolymer paste and pore-formation mechanism. <i>Journal of Cleaner Production</i> , 2020, 277, 123238.	9.3	62
5	Nanoceria as a DNase I mimicking nanozyme. <i>Chemical Communications</i> , 2019, 55, 13215-13218.	4.1	61
6	Mechanical performance evaluation of polyester fiber and SBR latex compound-modified cement concrete road overlay material. <i>Construction and Building Materials</i> , 2014, 63, 142-149.	7.2	60
7	Preparation and anti-icing properties of a superhydrophobic silicone coating on asphalt mixture. <i>Construction and Building Materials</i> , 2018, 189, 227-235.	7.2	60
8	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.	7.2	51
9	Development of microstructure and early-stage strength for 100% cold recycled asphalt mixture treated with emulsion and cement. <i>Construction and Building Materials</i> , 2018, 189, 924-933.	7.2	50
10	Effect of a lignin-based polyurethane on adhesion properties of asphalt binder during UV aging process. <i>Construction and Building Materials</i> , 2020, 247, 118547.	7.2	45
11	The anti-icing and mechanical properties of a superhydrophobic coating on asphalt pavement. <i>Construction and Building Materials</i> , 2018, 190, 83-94.	7.2	43
12	Fabrication of mesoporous lignin-based biosorbent from rice straw and its application for heavy-metal-ion removal. <i>Journal of Environmental Sciences</i> , 2017, 53, 132-140.	6.1	39
13	Photocatalytic oxidation of roxarsone using riboflavin-derivative as a photosensitizer. <i>Chemical Engineering Journal</i> , 2019, 355, 130-136.	12.7	37
14	Design and evaluation of polyester fiber and SBR latex compound-modified perlite mortar with rubber powder. <i>Construction and Building Materials</i> , 2016, 127, 751-761.	7.2	31
15	Investigation of anti-icing, anti-skid, and water impermeability performances of an acrylic superhydrophobic coating on asphalt pavement. <i>Construction and Building Materials</i> , 2020, 264, 120702.	7.2	31
16	Mesoporous-silica-coated upconversion nanoparticles loaded with vitamin B12 for near-infrared-light mediated photodynamic therapy. <i>Materials Letters</i> , 2016, 167, 205-208.	2.6	30
17	Quantitative determination of AI-2 quorum-sensing signal of bacteria using high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Environmental Sciences</i> , 2017, 52, 204-209.	6.1	30
18	The Effect of Waste Engine Oil and Waste Polyethylene on UV Aging Resistance of Asphalt. <i>Polymers</i> , 2020, 12, 602.	4.5	27

#	ARTICLE	IF	CITATIONS
19	Green synthesis of magnetic mesoporous carbon from waste-lignin and its application as an efficient heterogeneous Fenton catalyst. <i>Journal of Cleaner Production</i> , 2021, 285, 125363.	9.3	27
20	Electromagnetic and mechanical properties of FA-GBFS geopolymer composite used for induction heating of airport pavement. <i>Cement and Concrete Composites</i> , 2022, 129, 104503.	10.7	25
21	Vitamin B <sub>2</sub> -Initiated Hydroxyl Radical Generation under Visible Light in the Presence of Dissolved Iron. <i>ACS Sustainable Chemistry and Engineering</i> , 2015, 3, 1756-1763.	6.7	24
22	Effect of 4,4'-stilbenedicarboxylic acid-intercalated layered double hydroxides on UV aging resistance of bitumen. <i>RSC Advances</i> , 2015, 5, 95504-95511.	3.6	22
23	Phosphine-promoted [3+2] cycloaddition between nonsubstituted MBH carbonates and trifluoromethyl ketones. <i>Chinese Chemical Letters</i> , 2015, 26, 646-648.	9.0	21
24	Elucidation of the Thermal Deterioration Mechanism of Bio-oil Pyrolyzed from Rice Husk Using Fourier Transform Infrared Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 9243-9249.	5.2	20
25	Sunlight-mediated degradation of methyl orange sensitized by riboflavin: Roles of reactive oxygen species. <i>Separation and Purification Technology</i> , 2015, 142, 18-24.	7.9	20
26	Long-term performance characteristics and interface microstructure of field cold recycled asphalt mixtures. <i>Construction and Building Materials</i> , 2020, 259, 120406.	7.2	18
27	Influences of polypropylene fiber and SBR polymer latex on abrasion resistance of cement mortar. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2010, 25, 624-627.	1.0	17
28	Influence of silane-hydrolysate coupling agents on bitumen aggregate interfacial adhesion: An exploration from molecular dynamics simulation. <i>International Journal of Adhesion and Adhesives</i> , 2022, 112, 102993.	2.9	17
29	Electromagnetic and mechanical properties of soft magnetic cement composite for airport runway induction heating: Experimental and simulation analyses. <i>Journal of Cleaner Production</i> , 2022, 332, 130141.	9.3	14
30	Effect of Fine Aggregate Particle Characteristics on Mechanical Properties of Fly Ash-Based Geopolymer Mortar. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 897.	2.0	13
31	Hydrothermal-assisted crystallization for the synthesis of upconversion nanoparticles/CdS/TiO <sub>2</sub> composite nanofibers by electrospinning. <i>CrystEngComm</i> , 2016, 18, 6013-6018.	2.6	12
32	LC-Tandem-MS Validation for the Quantitative Analysis of Levonorgestrel in Human Plasma. <i>Chromatographia</i> , 2008, 68, 707-712.	1.3	8
33	A new trick (hydroxyl radical generation) of an old vitamin (B <sub>2</sub> ) for near-infrared-triggered photodynamic therapy. <i>RSC Advances</i> , 2016, 6, 102647-102656.	3.6	8
34	Internal interfacial interaction analysis of geopolymer-recycled aggregate pervious concrete based on a infiltration model. <i>Construction and Building Materials</i> , 2022, 333, 127417.	7.2	6
35	Influence of PP fiber and SBR latex on the mechanical properties of crumb rubber mortar. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	5
36	Enhancing the mechanical and durability properties of fly ash-based geopolymer mortar modified by polyvinyl alcohol fibers and styrene butadiene rubber latex. <i>Materials Express</i> , 2021, 11, 1453-1465.	0.5	4

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37	Study on the Toughness Performance of Polypropylene Fiber and SBR Polymer Latex Modified Cement Mortar. <i>Advanced Materials Research</i> , 0, 79-82, 1751-1754.	0.3	2