

Shunbo Zhao

List of Publications by Year in descending order

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papers

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44
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docs citations

44
times ranked

676
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study on long-term compressive strength of concrete with manufactured sand. <i>Construction and Building Materials</i> , 2016, 108, 67-73.	7.2	98
2	Experimental study on tensile strength development of concrete with manufactured sand. <i>Construction and Building Materials</i> , 2017, 138, 247-253.	7.2	68
3	Influences of freeze-thaw cycle and curing time on chloride ion penetration resistance of Sulphoaluminate cement concrete. <i>Construction and Building Materials</i> , 2014, 53, 305-311.	7.2	56
4	Effects of different deformed steel-fibers on preparation and fundamental properties of self-compacting SFRC. <i>Construction and Building Materials</i> , 2018, 168, 471-481.	7.2	54
5	Concrete Deterioration Mechanisms under Combined Sulfate Attack and Flexural Loading. <i>Journal of Materials in Civil Engineering</i> , 2013, 25, 39-44.	2.9	52
6	Minimum specimen size for fracture parameters of site-casting dam concrete. <i>Construction and Building Materials</i> , 2015, 93, 973-982.	7.2	45
7	Improving cracking and drying shrinkage properties of cement mortar by adding chemically treated luffa fibres. <i>Construction and Building Materials</i> , 2014, 71, 327-333.	7.2	34
8	Experimental Study on Autogenous and Drying Shrinkage of Steel Fiber Reinforced Lightweight-Aggregate Concrete. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-9.	1.8	25
9	Fracture parameters of site-cast dam and sieved concrete. <i>Magazine of Concrete Research</i> , 2016, 68, 43-54.	2.0	25
10	Dataset of tensile strength development of concrete with manufactured sand. <i>Data in Brief</i> , 2017, 11, 469-472.	1.0	25
11	Experimental and numerical study on stress-strain behavior of self-compacting SFRC under uniaxial compression. <i>Construction and Building Materials</i> , 2018, 185, 30-38.	7.2	24
12	A study of Eu-doped La ₂ Zr ₂ O ₇ nanocrystals prepared by salt-assistant combustion synthesis. <i>Journal of Alloys and Compounds</i> , 2013, 550, 268-272.	5.5	23
13	Toward efficacy of piecewise polynomial truncated singular value decomposition algorithm in moving force identification. <i>Advances in Structural Engineering</i> , 2019, 22, 2687-2698.	2.4	23
14	Influence of Particle Morphology of Ground Fly Ash on the Fluidity and Strength of Cement Paste. <i>Materials</i> , 2021, 14, 283.	2.9	23
15	Behavior of Rectangular-Sectional Steel Tubular Columns Filled with High-Strength Steel Fiber Reinforced Concrete Under Axial Compression. <i>Materials</i> , 2019, 12, 2716.	2.9	22
16	Synthesis and characterization of Er ₂ Sn ₂ O ₇ nanocrystals by salt-assistant combustion method. <i>Journal of Alloys and Compounds</i> , 2009, 479, 746-749.	5.5	20
17	Complete Stress-Strain Curves of Self-Compacting Steel Fiber Reinforced Expanded-Shale Lightweight Concrete under Uniaxial Compression. <i>Materials</i> , 2019, 12, 2979.	2.9	19
18	High-Durability Concrete with Supplementary Cementitious Admixtures Used in Corrosive Environments. <i>Crystals</i> , 2021, 11, 196.	2.2	19

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19	Deterioration mechanisms of sulfate attack on concrete under alternate action. Journal Wuhan University of Technology, Materials Science Edition, 2010, 25, 355-359.	1.0	17
20	Testing and Prediction of the Strength Development of Recycled-Aggregate Concrete with Large Particle Natural Aggregate. Materials, 2019, 12, 1891.	2.9	17
21	Experimental Investigation on Columns of Steel Fiber Reinforced Concrete with Recycled Aggregates under Large Eccentric Compression Load. Materials, 2019, 12, 445.	2.9	16
22	Experimental study and theoretical prediction of flexural behaviors of reinforced SFRELC beams. Construction and Building Materials, 2019, 208, 454-463.	7.2	15
23	Development of low cost supplementary cementitious materials utilizing thermally activated Pisha sandstone. Construction and Building Materials, 2018, 174, 484-495.	7.2	14
24	A Salt-Assisted Combustion Method to Prepare Well-Dispersed Octahedral $MnCr_2O_4$ Spinel Nanocrystals. Journal of Nanomaterials, 2015, 2015, 1-5.	2.7	13
25	Development of Steel Fiber-Reinforced Expanded-Shale Lightweight Concrete with High Freeze-Thaw Resistance. Advances in Materials Science and Engineering, 2018, 2018, 1-8.	1.8	12
26	Experimental and numerical investigation of the effect of temperature patterns on behavior of large scale silo. Engineering Failure Analysis, 2018, 91, 543-553.	4.0	11
27	Facile synthesis and crystal growth dynamics study of $MgAl_2O_4$ nanocrystals. Materials Research Bulletin, 2013, 48, 4834-4838.	5.2	10
28	Bond Properties of Steel Bar in Concrete under Water Environment. Materials, 2019, 12, 3517.	2.9	8
29	Test and Evaluation of the Flexural Properties of Reinforced Concrete Beams with 100% Recycled Coarse Aggregate and Manufactured Sand. Buildings, 2021, 11, 420.	3.1	8
30	Dataset of long-term compressive strength of concrete with manufactured sand. Data in Brief, 2016, 6, 959-964.	1.0	7
31	Experimental Research on Interfacial Bonding Strength between Vertical Cast-In-Situ Joint and Precast Concrete Walls. Crystals, 2021, 11, 494.	2.2	7
32	Cracking Resistance of Reinforced SFRFLC Superposed Beams with Partial Ordinary Concrete in Compression Zone. Open Civil Engineering Journal, 2016, 10, 727-737.	0.8	7
33	Lateral Pressure Test of Vertical Joint Concrete and Formwork Optimization Design for Monolithic Precast Concrete Structure. Buildings, 2022, 12, 261.	3.1	7
34	Experimental Study on Chloride Ion Diffusion in Concrete Affected by Exposure Conditions. Materials, 2022, 15, 2917.	2.9	7
35	Bond of Ribbed Steel Bar in High-Performance Steel Fiber Reinforced Expanded-Shale Lightweight Concrete. Buildings, 2021, 11, 582.	3.1	6
36	Investigating the Mechanical Property and Enhanced Mechanism of Modified Pisha Sandstone Geopolymer via Ion Exchange Solidification. Gels, 2022, 8, 300.	4.5	6

#	ARTICLE	IF	CITATIONS
37	Experimental Study on Mechanical Properties of Steel Fiber Reinforced Full Lightweight Concrete. , 2011, , .		4
38	Method of mix proportion design for concrete with machine-made sand. , 2011, , .		4
39	A Particle Swarm Optimization Algorithm with Sigmoid Increasing Inertia Weight for Structural Damage Identification. Applied Sciences (Switzerland), 2022, 12, 3429.	2.5	3
40	Emergency Evacuation Model Based on Multi-agent System. , 2010, , .		2
41	Analysis of Integral Loading Properties of Assembled Prestressed Concrete Hollow Slab Bridge Affected by Hinge Concrete. , 2011, , .		2
42	Study on workability of plastic fresh concrete with machine-made sand. , 2011, , .		2
43	Synthesis and Properties of Nano-Perovskite Mg _{0.5} Nd _{0.5} CoO ₃ by Co-Precipitation Technique. Asian Journal of Chemistry, 2015, 27, 1865-1867.	0.3	1
44	Dynamic Analysis and Monitoring of Prestressed Concrete Hollow Slab Bridge. , 2011, , .		0