

Guowei

List of Publications by Year in descending order

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13
papers

1,112
citations

840776

11
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

961
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling uniaxial compressive strength of lightweight self-compacting concrete using random forest regression. <i>Construction and Building Materials</i> , 2019, 210, 713-719.	7.2	209
2	An investigation of thermal effects on micro-properties of granite by X-ray CT technique. <i>Applied Thermal Engineering</i> , 2018, 140, 505-519.	6.0	185
3	State-of-the-art of 3D printing technology of cementitious material—An emerging technique for construction. <i>Science China Technological Sciences</i> , 2018, 61, 475-495.	4.0	151
4	A critical review of preparation design and workability measurement of concrete material for largescale 3D printing. <i>Frontiers of Structural and Civil Engineering</i> , 2018, 12, 382-400.	2.9	125
5	Tests of glass fibre reinforced polymer rectangular concrete columns subjected to concentric and eccentric axial loading. <i>Engineering Structures</i> , 2017, 151, 93-104.	5.3	102
6	Evaluation of geothermal development in fractured hot dry rock based on three dimensional unified pipe-network method. <i>Applied Thermal Engineering</i> , 2018, 136, 219-228.	6.0	84
7	Macroscopic effective moduli and tensile strength of saturated concrete. <i>Cement and Concrete Research</i> , 2012, 42, 1590-1600.	11.0	64
8	Heat extraction mechanism in a geothermal reservoir with rough-walled fracture networks. <i>International Journal of Heat and Mass Transfer</i> , 2018, 126, 1083-1093.	4.8	64
9	Investigation of the permeability anisotropy of 2D fractured rock masses. <i>Engineering Geology</i> , 2015, 196, 171-182.	6.3	48
10	Unified pipe network method for simulation of water flow in fractured porous rock. <i>Journal of Hydrology</i> , 2017, 547, 80-96.	5.4	41
11	Multi-level explosion risk analysis (MLERA) for accidental gas explosion events in super-large FLNG facilities. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 45, 242-254.	3.3	20
12	Confidence-based quantitative risk analysis for offshore accidental hydrocarbon release events. <i>Journal of Loss Prevention in the Process Industries</i> , 2015, 35, 117-124.	3.3	10
13	Strength-constrained simultaneous optimization of topology and fiber orientation of fiber-reinforced composite structures for additive manufacturing. <i>Advances in Structural Engineering</i> , 2022, 25, 1636-1651.	2.4	9