

Hongjian Du

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

3,111
citations

236833

25
h-index

243529

44
g-index

45
all docs

45
docs citations

45
times ranked

1889
citing authors

#	ARTICLE	IF	CITATIONS
1	Durability performances of concrete with nano-silica. <i>Construction and Building Materials</i> , 2014, 73, 705-712.	3.2	310
2	Use of waste glass as sand in mortar: Part I – Fresh, mechanical and durability properties. <i>Cement and Concrete Composites</i> , 2013, 35, 109-117.	4.6	260
3	Enhancement of barrier properties of cement mortar with graphene nanoplatelet. <i>Cement and Concrete Research</i> , 2015, 76, 10-19.	4.6	244
4	Properties of high volume glass powder concrete. <i>Cement and Concrete Composites</i> , 2017, 75, 22-29.	4.6	221
5	Improvement in concrete resistance against water and chloride ingress by adding graphene nanoplatelet. <i>Cement and Concrete Research</i> , 2016, 83, 114-123.	4.6	216
6	Use of waste glass as sand in mortar: Part II – Alkali-silica reaction and mitigation methods. <i>Cement and Concrete Composites</i> , 2013, 35, 118-126.	4.6	189
7	Use of 2D Graphene Nanoplatelets (GNP) in cement composites for structural health evaluation. <i>Composites Part B: Engineering</i> , 2014, 67, 555-563.	5.9	189
8	Waste Glass Powder as Cement Replacement in Concrete. <i>Journal of Advanced Concrete Technology</i> , 2014, 12, 468-477.	0.8	121
9	Dispersion and stability of graphene nanoplatelet in water and its influence on cement composites. <i>Construction and Building Materials</i> , 2018, 167, 403-413.	3.2	112
10	Effect of nano-silica on the mechanical and transport properties of lightweight concrete. <i>Construction and Building Materials</i> , 2015, 82, 114-122.	3.2	107
11	Effect of particle size on alkali-silica reaction in recycled glass mortars. <i>Construction and Building Materials</i> , 2014, 66, 275-285.	3.2	103
12	Graphene reinforced cement composites: A review. <i>Construction and Building Materials</i> , 2020, 265, 120312.	3.2	101
13	Value-added utilization of marine clay as cement replacement for sustainable concrete production. <i>Journal of Cleaner Production</i> , 2018, 198, 867-873.	4.6	95
14	High-performance concrete incorporating calcined kaolin clay and limestone as cement substitute. <i>Construction and Building Materials</i> , 2020, 264, 120152.	3.2	90
15	Properties of ultra-lightweight cement composites with nano-silica. <i>Construction and Building Materials</i> , 2019, 199, 696-704.	3.2	77
16	Hardened properties and durability of large-scale 3D printed cement-based materials. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021, 54, 1.	1.3	65
17	Aggregate-bed 3D concrete printing with cement paste binder. <i>Cement and Concrete Research</i> , 2020, 136, 106169.	4.6	60
18	The interpenetration polymer network in a cement paste-waterborne epoxy system. <i>Cement and Concrete Research</i> , 2021, 139, 106236.	4.6	52

#	ARTICLE	IF	CITATIONS
19	High performance cement composites with colloidal nano-silica. Construction and Building Materials, 2019, 224, 317-325.	3.2	51
20	Performance of mortar incorporating calcined marine clays with varying kaolinite content. Journal of Cleaner Production, 2021, 282, 124513.	4.6	49
21	Carbon capture in ultra-high performance concrete using pressurized CO2 curing. Construction and Building Materials, 2021, 288, 123076.	3.2	38
22	A model to estimate the durability performance of both normal and light-weight concrete. Construction and Building Materials, 2015, 80, 255-261.	3.2	37
23	Marine clay in ultra-high performance concrete for filler substitution. Construction and Building Materials, 2020, 263, 120250.	3.2	31
24	Microstructural characterization of 3D printed concrete. Journal of Building Engineering, 2021, 44, 102948.	1.6	31
25	Smart multifunctional cement mortar containing graphite nanoplatelet. Proceedings of SPIE, 2013, , .	0.8	26
26	Quaternary blended limestone-calcined clay cement concrete incorporating fly ash. Cement and Concrete Composites, 2021, 123, 104174.	4.6	25
27	Relationship between water transport behaviour and interlayer voids of 3D printed concrete. Construction and Building Materials, 2022, 326, 126731.	3.2	24
28	Bond performance of repair mortar made with magnesium phosphate cement and ferroaluminate cement. Construction and Building Materials, 2021, 279, 122398.	3.2	22
29	Hydration, strength and microstructure evaluation of eco-friendly mortar containing waste marine clay. Journal of Cleaner Production, 2020, 272, 122784.	4.6	19
30	Development of a new nano modified cement based adhesive for FRP strengthened RC members. Construction and Building Materials, 2021, 277, 122318.	3.2	18
31	Transport Properties of Concrete with Glass Powder as Supplementary Cementitious Material. ACI Materials Journal, 2015, 112, .	0.3	16
32	Cellular cement composites against projectile impact. International Journal of Impact Engineering, 2015, 86, 13-26.	2.4	16
33	Strain and damage self-sensing cement composites with conductive graphene nanoplatelet. Proceedings of SPIE, 2014, , .	0.8	14
34	Functionally layered cement composites against projectile impact. International Journal of Impact Engineering, 2019, 133, 103338.	2.4	12
35	Research on the toughening mechanism of modified nano-silica and silane molecular cages in the multi-scale microfracture of cement-epoxy composite. Cement and Concrete Composites, 2021, 119, 104027.	4.6	10
36	Sandless concrete with fly ash as supplementary cementing material. Journal of Sustainable Cement-Based Materials, 2013, 2, 238-249.	1.7	9

#	ARTICLE	IF	CITATIONS
37	A two-scale computational model for thermomechanical analysis of reinforced concrete frames. <i>Engineering Structures</i> , 2015, 105, 137-151.	2.6	9
38	Long-Term Influence of Nanosilica on the Microstructures, Strength, and Durability of High-Volume Fly Ash Mortar. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	1.3	9
39	Effects of CO2 curing treatment on alkali-silica reaction of mortars containing glass aggregate. <i>Construction and Building Materials</i> , 2022, 323, 126637.	3.2	8
40	Towards a sustainable concrete: "sandless" concrete. <i>Science and Engineering of Composite Materials</i> , 2011, 18, 99-107.	0.6	4
41	Simulation on the Self-Compacting Concrete by an Enhanced Lagrangian Particle Method. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-11.	1.0	4
42	Potential of Marine Clay for Cement Replacement and Pozzolanic Additive in Concrete. <i>RILEM Bookseries</i> , 2020, , 57-65.	0.2	1
43	Effects of Cement Mortar Characteristics on Aggregate-Bed 3D Concrete Printing. <i>Additive Manufacturing</i> , 2022, , 103024.	1.7	1