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List of Publications by Year
in descending order

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36	978	516710 16	434195 31
papers	citations	h-index	g-index

36	36	36	1026
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	High-accuracy rebar position detection using deep learningâ€“based frequency-difference electrical resistance tomography. Automation in Construction, 2022, 135, 104116.	9.8	11
2	Predicting airborne chloride deposition in marine bridge structures using an artificial neural network model. Construction and Building Materials, 2022, 337, 127623.	7.2	6
3	Proposed specific heat capacity model for a concrete wall containing phase change material (PCM) under field experiment conditions. Construction and Building Materials, 2022, 336, 127381.	7.2	8
4	Lightweight cementless composite of CaO-CaCl2-CaSO4-activated GGBFS developed as an alternative to lightweight gypsum composite. Construction and Building Materials, 2021, 268, 121065.	7.2	4
5	Evaluation of orientation and distribution of steel fibers in high-performance concrete column determined via micro-computed tomography. Construction and Building Materials, 2021, 270, 121473.	7.2	12
6	Influence of the degree of crystallinity of added nano-alumina on strength and reaction products of the CaO-activated GGBFS system. Construction and Building Materials, 2021, 296, 123647.	7.2	7
7	Incorporation of copper slag in cement brick production as a radiation shielding material. Applied Radiation and Isotopes, 2021, 176, 109851.	1.5	17
8	Detecting embedded rebar in cement mortar by frequency-difference electrical resistance tomography. Automation in Construction, 2021, 132, 103974.	9.8	4
9	Use of Coal Bottom Ash and CaO-CaCl2-Activated GGBFS Binder in the Manufacturing of Artificial Fine Aggregates through Cold-Bonded Pelletization. Materials, 2020, 13, 5598.	2.9	6
10	Application of micro-CT to Mori-Tanaka method for non-randomly oriented pores in air-entrained cement pastes. Construction and Building Materials, 2020, 255, 119342.	7.2	13
11	Influence of calcium and sodium nitrate on the strength and reaction products of the CaO-activated GGBFS system. Construction and Building Materials, 2019, 215, 839-848.	7.2	17
12	A study of thermal decomposition of phases in cementitious systems using HT-XRD and TG. Construction and Building Materials, 2018, 169, 648-661.	7.2	84
13	Influence of Calcium Sulfate Type on Evolution of Reaction Products and Strength in NaOH- and CaO-Activated Ground Granulated Blast-Furnace Slag. Applied Sciences (Switzerland), 2018, 8, 2500.	2.5	5
14	The cuboid method for measurement of thermal properties of cement-based materials using the guarded heat flow meter. Construction and Building Materials, 2018, 186, 801-810.	7.2	3
15	Mesoporous La/Mg/Si-incorporated palm shell activated carbon for the highly efficient removal of aluminum and fluoride from water. Journal of the Taiwan Institute of Chemical Engineers, 2018, 93, 306-314.	5.3	28
16	Effects of CaCl 2 on hydration and properties of lime(CaO)-activated slag/fly ash binder. Cement and Concrete Composites, 2017, 84, 111-123.	10.7	62
17	Development of strong lightweight cementitious matrix for lightweight concrete simply by increasing a water-to-binder ratio in Ca(OH)2-Na2CO3-activated fly ash system. Construction and Building Materials, 2017, 152, 444-455.	7.2	16
18	A Comparison Study for Chloride-Binding Capacity between Alkali-Activated Fly Ash and Slag in the Use of Seawater. Applied Sciences (Switzerland), 2017, 7, 971.	2.5	48

#	Article	IF	Citations
19	Simulation of Chloride Ingress through Surface-Coated Concrete during Migration Test Using Finite-Difference and Finite-Element Method. International Journal of Polymer Science, 2017, 2017, 1-12.	2.7	2
20	Micropore Structures in Cenosphere-Containing Cementitious Materials Using Micro-CT. Advances in Materials Science and Engineering, 2017, 2017, 1-10.	1.8	3
21	Phase Changes of Monosulfoaluminate in NaCl Aqueous Solution. Materials, 2016, 9, 401.	2.9	37
22	Soft Xâ€ray Spectromicroscopic Investigation of Synthetic Câ€Sâ€H and C 3 S Hydration Products. Journal of the American Ceramic Society, 2015, 98, 2914-2920.	3.8	19
23	Mechanical properties of jennite: A theoretical and experimental study. Cement and Concrete Research, 2015, 71, 106-114.	11.0	33
24	X-ray spectromicroscopic study of interactions between NaCl and calcium silicate hydrates. Magazine of Concrete Research, 2014, 66, 141-149.	2.0	20
25	First-principles elasticity of monocarboaluminate hydrates. American Mineralogist, 2014, 99, 1360-1368.	1.9	21
26	Application of Hydrophilic Silanol-Based Chemical Grout for Strengthening Damaged Reinforced Concrete Flexural Members. Materials, 2014, 7, 4823-4844.	2.9	14
27	Statistical evaluation of the mechanical properties of high-volume class F fly ash concretes. Construction and Building Materials, 2014, 54, 432-442.	7.2	55
28	Characterization of natural pozzolan-based geopolymeric binders. Cement and Concrete Composites, 2014, 53, 97-104.	10.7	83
29	Estimation of the thermal properties of hardened cement paste on the basis of guarded heat flow meter measurements. Thermochimica Acta, 2014, 588, 1-10.	2.7	28
30	Chloride adsorption by calcined layered double hydroxides inÂhardened Portland cement paste. Materials Chemistry and Physics, 2014, 145, 376-386.	4.0	75
31	Characterization of Micro-Pore Structure in Novel Cement Matrices. Materials Research Society Symposia Proceedings, 2014, 1712, 57.	0.1	2
32	Advanced Nanoscale Characterization of Cement Based Materials Using X-Ray Synchrotron Radiation: A Review. International Journal of Concrete Structures and Materials, 2013, 7, 95-110.	3.2	51
33	Unlocking the secrets of Al-tobermorite in Roman seawater concrete. American Mineralogist, 2013, 98, 1669-1687.	1.9	133
34	Molecular Dynamics Study of Water Molecules in Interlayer of 14 Ã... Tobermorite. Journal of Advanced Concrete Technology, 2013, 11, 180-188.	1.8	12
35	The effects of surface treatments on rapid chloride permeability tests. Materials Chemistry and Physics, 2012, 135, 699-708.	4.0	7
36	Elastic Properties of Tricalcium Aluminate from Highâ€Pressure Experiments and Firstâ€Principles Calculations. Journal of the American Ceramic Society, 2012, 95, 2972-2978.	3.8	32