

Jiaqi Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/940894/publications.pdf>

Version: 2024-02-01

46
papers

2,149
citations

172386

29
h-index

223716

46
g-index

46
all docs

46
docs citations

46
times ranked

1114
citing authors

#	ARTICLE	IF	CITATIONS
1	Aluminum-induced dreierketten chain cross-links increase the mechanical properties of nanocrystalline calcium aluminosilicate hydrate. <i>Scientific Reports</i> , 2017, 7, 44032.	1.6	122
2	Capillary tension theory for prediction of early autogenous shrinkage of self-consolidating concrete. <i>Construction and Building Materials</i> , 2014, 53, 511-516.	3.2	113
3	Effects of fly ash and quartz sand on water-resistance and salt-resistance of magnesium phosphate cement. <i>Construction and Building Materials</i> , 2016, 105, 384-390.	3.2	106
4	Advances in characterizing and understanding the microstructure of cementitious materials. <i>Cement and Concrete Research</i> , 2019, 124, 105806.	4.6	104
5	The chemistry and structure of calcium (alumino) silicate hydrate: A study by XANES, ptychographic imaging, and wide- and small-angle scattering. <i>Cement and Concrete Research</i> , 2019, 115, 367-378.	4.6	104
6	Green concrete containing diatomaceous earth and limestone: Workability, mechanical properties, and life-cycle assessment. <i>Journal of Cleaner Production</i> , 2019, 223, 662-679.	4.6	99
7	Role of Adsorption Phenomena in Cubic Tricalcium Aluminate Dissolution. <i>Langmuir</i> , 2017, 33, 45-55.	1.6	93
8	Experimental study on mechanical properties and fracture toughness of magnesium phosphate cement. <i>Construction and Building Materials</i> , 2015, 96, 346-352.	3.2	75
9	Fibrillar calcium silicate hydrate seeds from hydrated tricalcium silicate lower cement demand. <i>Cement and Concrete Research</i> , 2020, 137, 106195.	4.6	75
10	Effects of CO ₂ and temperature on the structure and chemistry of C-S-H investigated by Raman spectroscopy. <i>RSC Advances</i> , 2017, 7, 48925-48933.	1.7	70
11	Influence of decalcification on structural and mechanical properties of synthetic calcium silicate hydrate (C-S-H). <i>Cement and Concrete Research</i> , 2019, 123, 105793.	4.6	64
12	Preferred orientation of calcium aluminosilicate hydrate induced by confined compression. <i>Cement and Concrete Research</i> , 2018, 113, 186-196.	4.6	63
13	Factors Influencing STEM Career Aspirations of Underrepresented High School Students. <i>Career Development Quarterly</i> , 2018, 66, 246-258.	0.8	60
14	Eco-friendly mortar with high-volume diatomite and fly ash: Performance and life-cycle assessment with regional variability. <i>Journal of Cleaner Production</i> , 2020, 261, 121224.	4.6	59
15	Influences of cross-linking and Al incorporation on the intrinsic mechanical properties of tobermorite. <i>Cement and Concrete Research</i> , 2020, 136, 106170.	4.6	58
16	Structure and Intrinsic Mechanical Properties of Nanocrystalline Calcium Silicate Hydrate. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 12453-12461.	3.2	57
17	Influencing factors on micromechanical properties of calcium (alumino) silicate hydrate C-(A)-S-H under nanoindentation experiment. <i>Cement and Concrete Research</i> , 2020, 134, 106088.	4.6	56
18	East Asian International Students and Psychological Well-Being: A Systematic Review. <i>Journal of International Students</i> , 2014, 4, 301-313.	0.4	49

#	ARTICLE	IF	CITATIONS
19	Preparation and study of light transmitting properties of sulfoaluminate cement-based materials. <i>Materials and Design</i> , 2015, 83, 185-192.	3.3	47
20	Preferred orientation of calcium aluminosilicate hydrate compacts: Implications for creep and indentation. <i>Cement and Concrete Research</i> , 2021, 143, 106371.	4.6	44
21	Attitudes Toward Seeking Professional Counseling Services Among Chinese International Students: Acculturation, Ethnic Identity, and English Proficiency. <i>Journal of Multicultural Counseling and Development</i> , 2016, 44, 65-76.	0.6	43
22	Experimental study of light transmitting cement-based material (LTCM). <i>Construction and Building Materials</i> , 2015, 96, 319-325.	3.2	38
23	Effects of fly ash, retarder and calcination of magnesia on properties of magnesia-phosphate cement. <i>Advances in Cement Research</i> , 2015, 27, 373-380.	0.7	38
24	Molecular dynamics study of solvated aniline and ethylene glycol monomers confined in calcium silicate nanochannels: a case study of tobermorite. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15145-15159.	1.3	37
25	Phase evolution, micromechanical properties, and morphology of calcium (alumino)silicate hydrates C-(A)-S-H under carbonation. <i>Cement and Concrete Research</i> , 2022, 152, 106683.	4.6	34
26	Experimental Study of Retrofitted Cracked Concrete with FRP and Nanomodified Epoxy Resin. <i>Journal of Materials in Civil Engineering</i> , 2017, 29, .	1.3	33
27	Relationship between fracture area and tensile strength of cement paste with supplementary cementitious materials. <i>Construction and Building Materials</i> , 2015, 79, 223-228.	3.2	32
28	Modification of incorporation and in-situ polymerization of aniline on the nano-structure and meso-structure of calcium silicate hydrates. <i>Construction and Building Materials</i> , 2018, 182, 459-468.	3.2	31
29	Understanding the sulfate attack of Portland cement-based materials exposed to applied electric fields: Mineralogical alteration and migration behavior of ionic species. <i>Cement and Concrete Composites</i> , 2020, 111, 103630.	4.6	31
30	Bond properties of FRP-concrete interface with nano-modified epoxy resin under wet-dry cycles. <i>KSCE Journal of Civil Engineering</i> , 2017, 21, 1379-1385.	0.9	28
31	Mechanical properties of struvite-K: A high-pressure X-ray diffraction study. <i>Cement and Concrete Research</i> , 2020, 136, 106171.	4.6	28
32	Effect of polycarboxylate ether on the expansion of ye'elimite hydration in the presence of anhydrite. <i>Cement and Concrete Research</i> , 2021, 140, 106321.	4.6	28
33	Coordination environment of Si in calcium silicate hydrates, silicate minerals, and blast furnace slags: A XANES database. <i>Cement and Concrete Research</i> , 2021, 143, 106376.	4.6	27
34	A high-pressure X-ray diffraction study of the crystalline phases in calcium aluminate cement paste. <i>Cement and Concrete Research</i> , 2018, 108, 38-45.	4.6	24
35	Synchrotron X-ray Raman scattering shows the changes of the Ca environment in C-S-H exposed to high pressure. <i>Cement and Concrete Research</i> , 2020, 132, 106066.	4.6	24
36	Microstructure and water absorption of ancient concrete from Pompeii: An integrated synchrotron microtomography and neutron radiography characterization. <i>Cement and Concrete Research</i> , 2021, 139, 106282.	4.6	24

#	ARTICLE	IF	CITATIONS
37	Silicate Bond Characteristics in Calcium-Silicate Hydrates Determined by High Pressure Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 18335-18345.	1.5	19
38	Plastic deformation mechanism of calcium-silicate hydrates determined by deviatoric-stress Raman spectroscopy. <i>Cement and Concrete Research</i> , 2021, 146, 106476.	4.6	19
39	Microstructure and durability performance of sustainable cementitious composites containing high-volume regenerative biosilica. <i>Resources, Conservation and Recycling</i> , 2022, 178, 106038.	5.3	18
40	A Qualitative Exploration of STEM Career Development of High School Students in Taiwan. <i>Journal of Career Development</i> , 2021, 48, 120-134.	1.6	15
41	Municipal Solid Waste Incineration Ash-Incorporated Concrete: One Step towards Environmental Justice. <i>Buildings</i> , 2021, 11, 495.	1.4	15
42	The first experimental evidence for improved nanomechanical properties of calcium silicate hydrate by polycarboxylate ether and graphene oxide. <i>Cement and Concrete Research</i> , 2022, 156, 106787.	4.6	15
43	Sequestration of solid carbon in concrete: A large-scale enabler of lower-carbon intensity hydrogen from natural gas. <i>MRS Bulletin</i> , 2021, 46, 680-686.	1.7	10
44	The nanomechanical properties of non-crosslinked calcium aluminosilicate hydrate: The influences of tetrahedral Al and curing age. <i>Cement and Concrete Research</i> , 2022, 159, 106900.	4.6	10
45	3D Nanotomography of calcium silicate hydrates by transmission electron microscopy. <i>Journal of the American Ceramic Society</i> , 2021, 104, 1852-1862.	1.9	9
46	Examine Internet Addiction and Acculturative Stress among International College Students in the United States. <i>Journal of International Students</i> , 2021, 11, .	0.4	1