

Qiu Li

List of Publications by Year in descending order

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45
papers

1,423
citations

430442

18
h-index

329751

37
g-index

47
all docs

47
docs citations

47
times ranked

1349
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of biomineralization on the localised phase and microstructure evolutions of bacteria-based self-healing cementitious composites. <i>Cement and Concrete Composites</i> , 2022, 128, 104421.	4.6	22
2	Waste Glass-Derived Tobermorite Carriers for Ag ⁺ and Zn ²⁺ Ions. <i>Journal of Composites Science</i> , 2022, 6, 52.	1.4	1
3	Effect of high temperature heating on the microstructure and performance of cesium-based geopolymer reinforced by cordierite. <i>Cement and Concrete Composites</i> , 2022, 129, 104474.	4.6	8
4	A novel method of self-healing cement paste by using gel microparticles encapsulating phosphate. <i>Construction and Building Materials</i> , 2021, 279, 122439.	3.2	12
5	Effect of Rheology of Fresh Paste on the Pore Structure and Properties of Pervious Concrete Based on the High Fluidity Alkali-Activated Slag. <i>Crystals</i> , 2021, 11, 593.	1.0	10
6	Combined effect of NaAlO ₂ and NaOH on the early age hydration of Portland cement with a high concentration of borate solution. <i>Cement and Concrete Research</i> , 2021, 144, 106430.	4.6	7
7	A high-efficiency self-healing cementitious material based on supramolecular hydrogels impregnated with phosphate and ammonium. <i>Cement and Concrete Research</i> , 2021, 144, 106427.	4.6	13
8	Spatial zonation of a hydrotalcite-like phase in the inner product of slag: New insights into the hydration mechanism. <i>Cement and Concrete Research</i> , 2021, 145, 106460.	4.6	31
9	Mechanical Performance and Microstructure of Ultra-High-Performance Concrete Modified by Calcium Sulfoaluminate Cement. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-9.	0.4	3
10	A Novel Method of Self-Healing in Cementitious Materials by Using Polyacrylic Hydrogel. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 3406-3415.	0.9	8
11	Iodoform-Blended Portland Cement for Dentistry. <i>Prosthesis</i> , 2020, 2, 277-296.	1.1	1
12	Electrochemical Performance of Steel Embedded in CSA Concrete and Its Interfacial Microstructure. <i>Advances in Materials Science and Engineering</i> , 2020, 2020, 1-8.	1.0	2
13	Uptake of heavy metal ions in layered double hydroxides and applications in cementitious materials: Experimental evidence and first-principle study. <i>Construction and Building Materials</i> , 2019, 222, 96-107.	3.2	21
14	Impact of Bi ₂ O ₃ and ZrO ₂ Radiopacifiers on the Early Hydration and Ca ²⁺ -H Gel Structure of White Portland Cement. <i>Journal of Functional Biomaterials</i> , 2019, 10, 46.	1.8	15
15	A novel bio-inspired bone-mimic self-healing cement paste based on hydroxyapatite formation. <i>Cement and Concrete Composites</i> , 2019, 104, 103357.	4.6	21
16	Experimental evidence on formation of ulexite in sulfoaluminate cement paste mixed with high concentration borate solution and its retarding effects. <i>Construction and Building Materials</i> , 2019, 215, 777-785.	3.2	20
17	The Application of ²⁹ Si NMR Spectroscopy to the Analysis of Calcium Silicate-Based Cement using Biodentine [®] as an Example. <i>Journal of Functional Biomaterials</i> , 2019, 10, 25.	1.8	26
18	Effect of Pre-dispersing Metakaolin in Water on the Properties, Hydration, and Metakaolin Distribution in Mortar. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	6

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19	Hydration of Portland cements in solutions containing high concentration of borate ions: Effects of LiOH. Cement and Concrete Composites, 2019, 102, 94-104.	4.6	28
20	Development of properties and microstructure of concrete with coral reef sand under sulphate attack and drying-wetting cycles. Construction and Building Materials, 2018, 165, 647-654.	3.2	65
21	Effect of aggregate exposing and curing agent on the performance of exposed aggregate concrete. Construction and Building Materials, 2017, 156, 675-683.	3.2	12
22	The Restoration of Compressive Strength of Self-Healing Mortar. Key Engineering Materials, 2017, 726, 500-504.	0.4	0
23	The Impact of Iodoform on the Hydration, Bioactivity and Antimicrobial Properties of White Portland Cement. MATEC Web of Conferences, 2017, 109, 04002.	0.1	3
24	Hydration Products, Microstructure and Durability of Concrete with Metakaolin Addition. Key Engineering Materials, 2016, 680, 420-428.	0.4	0
25	Effect of polyaluminum chloride on the properties and hydration of slag-cement paste. Construction and Building Materials, 2016, 124, 1019-1027.	3.2	17
26	Effect of MgO content of synthetic slag on the formation of Mg-Al LDHs and sulfate resistance of slag-fly ash-clinker binder. Construction and Building Materials, 2016, 125, 766-774.	3.2	24
27	Properties, microstructure and hydration products of lightweight aggregate concrete with metakaolin and slag addition. Construction and Building Materials, 2016, 127, 59-67.	3.2	11
28	Effect of Low Content of Metakaolin Addition on the Properties and Pore Structure of Concrete. Key Engineering Materials, 2016, 680, 411-419.	0.4	0
29	Is magnesia cement low carbon? Life cycle carbon footprint comparing with Portland cement. Journal of Cleaner Production, 2016, 131, 20-27.	4.6	82
30	The hydration chemistry of ProRoot MTA. Dental Materials Journal, 2015, 34, 458-465.	0.8	40
31	Study on the high-temperature behavior and rehydration characteristics of hardened cement paste. Fire and Materials, 2015, 39, 741-750.	0.9	59
32	Quantifying CO2 emissions from China's cement industry. Renewable and Sustainable Energy Reviews, 2015, 50, 1004-1012.	8.2	184
33	Effect of metakaolin addition and seawater mixing on the properties and hydration of concrete. Applied Clay Science, 2015, 115, 51-60.	2.6	97
34	Chemical composition and microstructure of hydration products of hardened white portland cement pastes containing admixtures. Journal Wuhan University of Technology, Materials Science Edition, 2015, 30, 758-767.	0.4	1
35	Chloride resistance of concrete with metakaolin addition and seawater mixing: A comparative study. Construction and Building Materials, 2015, 101, 184-192.	3.2	100
36	Understanding and addressing business needs and sustainability challenges: lessons from Devens eco-industrial park. Journal of Cleaner Production, 2015, 87, 375-384.	4.6	49

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37	Combined effect of metakaolin and sea water on performance and microstructures of concrete. <i>Construction and Building Materials</i> , 2015, 74, 57-64.	3.2	170
38	Preparation of titanium dioxide nano particle modified photocatalytic self-cleaning concrete. <i>Journal of Cleaner Production</i> , 2015, 87, 762-765.	4.6	122
39	Design and Preparation of Metakaolin-Based Mineral Admixture and its Effects on the Durability of Concrete. <i>RILEM Bookseries</i> , 2015, , 229-236.	0.2	0
40	Hydration kinetics, ion-release and antimicrobial properties of white Portland cement blended with zirconium oxide nanoparticles. <i>Dental Materials Journal</i> , 2014, 33, 805-810.	0.8	10
41	Experimental investigation on chloride diffusion and binding in concrete containing metakaolin. <i>Corrosion Engineering Science and Technology</i> , 2014, 49, 282-286.	0.7	21
42	The impact of zirconium oxide radiopacifier on the early hydration behaviour of white Portland cement. <i>Materials Science and Engineering C</i> , 2013, 33, 427-433.	3.8	17
43	Early hydration of white Portland cement in the presence of bismuth oxide. <i>Advances in Applied Ceramics</i> , 2013, 112, 207-212.	0.6	17
44	The impact of zirconium oxide nanoparticles on the hydration chemistry and biocompatibility of white Portland cement. <i>Dental Materials Journal</i> , 2013, 32, 808-815.	0.8	48
45	Water Absorption and Hydration Products of Metakaolin Modified Mortar. <i>Key Engineering Materials</i> , 0, 726, 505-509.	0.4	4