

Xiang Hu

List of Publications by Year in descending order

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Version: 2024-02-01

168
papers

21,178
citations

8208

78
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11608

140
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171
all docs

171
docs citations

171
times ranked

8275
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Steel Fiberâ€“Matrix Interfacial Bond in Ultra-High Performance Concrete: A Review. <i>Engineering</i> , 2023, 22, 215-232. | 3.2 | 25 |
| 2 | Adsorption and dispersion capability of polycarboxylate-based superplasticizers: a review. <i>Journal of Sustainable Cement-Based Materials</i> , 2022, 11, 319-344. | 1.7 | 9 |
| 3 | Magneto-rheology control in 3D concrete printing: A rheological attempt. <i>Materials Letters</i> , 2022, 309, 131374. | 1.3 | 12 |
| 4 | A critical review on compressive behavior and empirical constitutive models of concrete. <i>Construction and Building Materials</i> , 2022, 323, 126572. | 3.2 | 36 |
| 5 | Magneto-responsive structural build-up of highly flowable cementitious paste in the presence of PCE superplasticizer. <i>Construction and Building Materials</i> , 2022, 327, 126925. | 3.2 | 6 |
| 6 | Upcycling sintering red mud waste for novel superfine composite mineral admixture and CO2 sequestration. <i>Cement and Concrete Composites</i> , 2022, 129, 104497. | 4.6 | 22 |
| 7 | Internal curing effect of saturated coral coarse aggregate in high-strength seawater sea sand concrete. <i>Construction and Building Materials</i> , 2022, 331, 127280. | 3.2 | 19 |
| 8 | Carbonation-hardening properties and ITZ microstructure of low-calcium CO2 sequestration binder mortar. <i>Construction and Building Materials</i> , 2022, 336, 127589. | 3.2 | 17 |
| 9 | Chloride binding behavior of synthesized reaction products in alkali-activated slag. <i>Composites Part B: Engineering</i> , 2022, 238, 109919. | 5.9 | 20 |
| 10 | Effect of polycarboxylate superplasticizers on the growth of ettringite in deionized water and synthetic cement pore solution. <i>Construction and Building Materials</i> , 2022, 341, 127602. | 3.2 | 7 |
| 11 | Effects of sodium doping on carbonation behavior of $\hat{I}\pm$ -CS. <i>Cement and Concrete Composites</i> , 2022, 131, 104607. | 4.6 | 8 |
| 12 | Tensile properties deterioration of BFRP bars in simulated pore solution and real seawater sea sand concrete environment with varying alkalinities. <i>Composites Part B: Engineering</i> , 2022, 243, 110115. | 5.9 | 42 |
| 13 | Improvement of thermal and optical responses of short-term aged thermochromic asphalt binder by warm-mix asphalt technology. <i>Journal of Cleaner Production</i> , 2021, 279, 123675. | 4.6 | 72 |
| 14 | A review on seismic behavior of ultra-high performance concrete members. <i>Advances in Structural Engineering</i> , 2021, 24, 1054-1069. | 1.2 | 21 |
| 15 | Factors affecting the effectiveness of internal curing: A review. <i>Construction and Building Materials</i> , 2021, 267, 121017. | 3.2 | 37 |
| 16 | An improved method for separating styrene-butadiene-styrene triblock copolymer (SBS) and bitumen matrix from SBS modified bitumen. <i>Fuel</i> , 2021, 286, 119314. | 3.4 | 9 |
| 17 | Effect of Na2O concentration and water/binder ratio on carbonation of alkali-activated slag/fly ash cements. <i>Construction and Building Materials</i> , 2021, 269, 121258. | 3.2 | 49 |
| 18 | Mechanical behavior and durability of coral aggregate concrete and bonding performance with fiber-reinforced polymer (FRP) bars: A critical review. <i>Journal of Cleaner Production</i> , 2021, 289, 125652. | 4.6 | 75 |

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|----|---|-----|-----------|
| 19 | Internal curing of blended cement pastes with ultra-low water-to-cement ratio: Absorption/desorption kinetics of superabsorbent polymer. <i>Journal of the American Ceramic Society</i> , 2021, 104, 3603-3618. | 1.9 | 7 |
| 20 | Effect of PCEs with different structures on hydration and properties of cementitious materials with low water-to-binder ratio. <i>Cement and Concrete Research</i> , 2021, 142, 106343. | 4.6 | 33 |
| 21 | Quantitative assessment of the influence of external magnetic field on clustering of nano-Fe ₃ O ₄ particles in cementitious paste. <i>Cement and Concrete Research</i> , 2021, 142, 106345. | 4.6 | 31 |
| 22 | Chloride migration in cement mortars with ultra-low water to binder ratio. <i>Cement and Concrete Composites</i> , 2021, 118, 103974. | 4.6 | 23 |
| 23 | Effects of SAP characteristics on internal curing of UHPC matrix. <i>Construction and Building Materials</i> , 2021, 280, 122530. | 3.2 | 60 |
| 24 | Autogenous shrinkage and drying shrinkage of recycled aggregate concrete: A review. <i>Journal of Cleaner Production</i> , 2021, 295, 126435. | 4.6 | 75 |
| 25 | Review on corrosion of steel reinforcement in alkali-activated concretes in chloride-containing environments. <i>Construction and Building Materials</i> , 2021, 293, 123484. | 3.2 | 45 |
| 26 | Rheological behavior of cement paste with nano-Fe ₃ O ₄ under magnetic field: Magneto-rheological responses and conceptual calculations. <i>Cement and Concrete Composites</i> , 2021, 120, 104035. | 4.6 | 33 |
| 27 | Ambient temperature cured "just-add-water"™ geopolymer for 3D concrete printing applications. <i>Cement and Concrete Composites</i> , 2021, 121, 104060. | 4.6 | 72 |
| 28 | Possibilities of fly ash as responsive additive in magneto-rheology control of cementitious materials. <i>Construction and Building Materials</i> , 2021, 296, 123656. | 3.2 | 19 |
| 29 | Rheology of alkali-activated materials: A review. <i>Cement and Concrete Composites</i> , 2021, 121, 104061. | 4.6 | 106 |
| 30 | Enhanced carbonation reactivity of wollastonite by rapid cooling process: Towards an ultra-low calcium CO ₂ sequestration binder. <i>Construction and Building Materials</i> , 2021, 299, 124336. | 3.2 | 18 |
| 31 | Thixotropic structural build-up of cement-based materials: A state-of-the-art review. <i>Cement and Concrete Composites</i> , 2021, 122, 104152. | 4.6 | 76 |
| 32 | Relationship between the composition and hydration-microstructure-mechanical properties of cement-metakaolin-limestone ternary system. <i>Construction and Building Materials</i> , 2021, 302, 124175. | 3.2 | 10 |
| 33 | Influence of pumping on the resistivity evolution of high-strength concrete and its relation to the rheology. <i>Construction and Building Materials</i> , 2021, 302, 124095. | 3.2 | 10 |
| 34 | Effect of CO ₂ surface treatment on penetrability and microstructure of cement-fly ash-slag ternary concrete. <i>Cement and Concrete Composites</i> , 2021, 123, 104194. | 4.6 | 34 |
| 35 | Microstructure of Portland cement paste subjected to different CO ₂ concentrations and further water curing. <i>Journal of CO₂ Utilization</i> , 2021, 53, 101714. | 3.3 | 39 |
| 36 | How do discharge rate and pipeline length influence the rheological properties of self-consolidating concrete after pumping?. <i>Cement and Concrete Composites</i> , 2021, 124, 104231. | 4.6 | 9 |

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| 37 | Correlation of interlayer properties and rheological behaviors of 3DPC with various printing time intervals. <i>Additive Manufacturing</i> , 2021, 47, 102327. | 1.7 | 5 |
| 38 | Microstructural and micromechanical characteristics of ultra-high performance concrete with superabsorbent polymer (SAP). <i>Cement and Concrete Research</i> , 2021, 149, 106560. | 4.6 | 47 |
| 39 | Mixture design methods for ultra-high-performance concrete - a review. <i>Cement and Concrete Composites</i> , 2021, 124, 104242. | 4.6 | 60 |
| 40 | Research progress on the dynamic compressive properties of ultra-high performance concrete under high strain rates. <i>Cement and Concrete Composites</i> , 2021, 124, 104258. | 4.6 | 50 |
| 41 | Synthesis, characterization and utilization of zinc oxide/expanded vermiculite composite for bitumen modification. <i>Fuel</i> , 2021, 306, 121731. | 3.4 | 14 |
| 42 | Effect of molecular structure of maleic anhydride, fumaric acid and Isopentenyl polyoxyethylene ether based polycarboxylate superplasticizer on its properties in cement pastes. <i>Construction and Building Materials</i> , 2021, 308, 125143. | 3.2 | 9 |
| 43 | A novel warm-mix additive for SBR modified asphalt binder: Effects of Sasobit/epoxidized soybean oil compound on binder rheological and long-term aging performance. <i>Journal of Cleaner Production</i> , 2021, 326, 129405. | 4.6 | 13 |
| 44 | Flow behavior of cementitious-like suspension with nano-Fe ₃ O ₄ particles under external magnetic field. <i>Materials and Structures/Materiaux Et Constructions</i> , 2021, 54, 1. | 1.3 | 7 |
| 45 | Comparative study of PCE superplasticizers with different anchoring groups in low water-to-binder ratio cementitious material. <i>Construction and Building Materials</i> , 2021, 312, 125344. | 3.2 | 10 |
| 46 | Effects of superabsorbent polymer on interfacial transition zone and mechanical properties of ultra-high performance concrete. <i>Construction and Building Materials</i> , 2020, 231, 117142. | 3.2 | 50 |
| 47 | Influence of the structures of polycarboxylate superplasticizer on its performance in cement-based materials-A review. <i>Construction and Building Materials</i> , 2020, 233, 117257. | 3.2 | 115 |
| 48 | Rheological Properties of Cement Paste with Nano-Fe ₃ O ₄ under Magnetic Field: Flow Curve and Nanoparticle Agglomeration. <i>Materials</i> , 2020, 13, 5164. | 1.3 | 12 |
| 49 | Expansion behavior and microstructure change of alkali-activated slag grouting material in carbonate environment. <i>Construction and Building Materials</i> , 2020, 262, 120593. | 3.2 | 16 |
| 50 | Mechanical and fracture properties of ultra-high performance geopolymer concrete: Effects of steel fiber and silica fume. <i>Cement and Concrete Composites</i> , 2020, 112, 103665. | 4.6 | 101 |
| 51 | A review on durability of fiber reinforced polymer (FRP) bars reinforced seawater sea sand concrete. <i>Construction and Building Materials</i> , 2020, 256, 119484. | 3.2 | 211 |
| 52 | Development of ultra-high performance geopolymer concrete (UHPCG): Influence of steel fiber on mechanical properties. <i>Cement and Concrete Composites</i> , 2020, 112, 103670. | 4.6 | 82 |
| 53 | Expansion behavior and microstructure change of alkali-activated slag grouting material in sulfate environment. <i>Construction and Building Materials</i> , 2020, 260, 119909. | 3.2 | 18 |
| 54 | Generation and property analyses of 3D mesoscale models for plain and fiber reinforced concretes. <i>Cement and Concrete Composites</i> , 2020, 114, 103714. | 4.6 | 20 |

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| 55 | Alkali-aggregate reaction in recycled aggregate concrete. <i>Journal of Cleaner Production</i> , 2020, 255, 120238. | 4.6 | 51 |
| 56 | Durability of ultra-high performance concrete – A review. <i>Construction and Building Materials</i> , 2020, 255, 119296. | 3.2 | 266 |
| 57 | An overview on the efficiency of different pretreatment techniques for recycled concrete aggregate. <i>Journal of Cleaner Production</i> , 2020, 263, 121264. | 4.6 | 81 |
| 58 | Effect of superabsorbent polymer characteristics on rheology of ultra-high performance concrete. <i>Cement and Concrete Composites</i> , 2020, 112, 103636. | 4.6 | 43 |
| 59 | Research progress on polycarboxylate based superplasticizers with tolerance to clays - A review. <i>Construction and Building Materials</i> , 2020, 255, 119386. | 3.2 | 51 |
| 60 | Chloride binding of alkali-activated slag/fly ash cements. <i>Construction and Building Materials</i> , 2019, 226, 21-31. | 3.2 | 73 |
| 61 | A feasible method for measuring the buildability of fresh 3D printing mortar. <i>Construction and Building Materials</i> , 2019, 227, 116600. | 3.2 | 93 |
| 62 | Carbonation induced phase evolution in alkali-activated slag/fly ash cements: The effect of silicate modulus of activators. <i>Construction and Building Materials</i> , 2019, 223, 566-582. | 3.2 | 64 |
| 63 | Effects of applied voltage on chloride binding and microstructure of cement pastes subjected to chloride solutions. <i>Materials and Structures/Materiaux Et Constructions</i> , 2019, 52, 1. | 1.3 | 3 |
| 64 | Mitigation techniques for autogenous shrinkage of ultra-high-performance concrete – A review. <i>Composites Part B: Engineering</i> , 2019, 178, 107456. | 5.9 | 159 |
| 65 | Numerical and analytical modeling of fiber-matrix bond behaviors of high performance cement composite. <i>Cement and Concrete Research</i> , 2019, 125, 105892. | 4.6 | 30 |
| 66 | Time-dependent rheological behavior of cementitious paste under continuous shear mixing. <i>Construction and Building Materials</i> , 2019, 226, 591-600. | 3.2 | 50 |
| 67 | A review on mixture design methods for geopolymer concrete. <i>Composites Part B: Engineering</i> , 2019, 178, 107490. | 5.9 | 164 |
| 68 | Autogenous and drying shrinkage of alkali-activated slag mortars. <i>Journal of the American Ceramic Society</i> , 2019, 102, 4963-4975. | 1.9 | 60 |
| 69 | Effects of rotational shearing on rheological behavior of fresh mortar with short glass fiber. <i>Construction and Building Materials</i> , 2019, 203, 314-321. | 3.2 | 29 |
| 70 | Changes in rheology and mechanical properties of ultra-high performance concrete with silica fume content. <i>Cement and Concrete Research</i> , 2019, 123, 105786. | 4.6 | 150 |
| 71 | A review on the use of LWA as an internal curing agent of high performance cement-based materials. <i>Construction and Building Materials</i> , 2019, 218, 385-393. | 3.2 | 89 |
| 72 | Effect of carbonated coarse recycled concrete aggregate on the properties and microstructure of recycled concrete. <i>Journal of Cleaner Production</i> , 2019, 233, 421-428. | 4.6 | 167 |

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|----|---|-----|-----------|
| 73 | Investigation of mechanical properties and shrinkage of ultra-high performance concrete: Influence of steel fiber content and shape. <i>Composites Part B: Engineering</i> , 2019, 174, 107021. | 5.9 | 217 |
| 74 | Recent progress in low-carbon binders. <i>Cement and Concrete Research</i> , 2019, 122, 227-250. | 4.6 | 391 |
| 75 | Effects of superabsorbent polymer on shrinkage properties of ultra-high strength concrete under drying condition. <i>Construction and Building Materials</i> , 2019, 215, 799-811. | 3.2 | 58 |
| 76 | Impact of different climates on the resistance of concrete to natural carbonation. <i>Construction and Building Materials</i> , 2019, 216, 450-467. | 3.2 | 29 |
| 77 | A critical review of waste glass powder " Multiple roles of utilization in cement-based materials and construction products. <i>Journal of Environmental Management</i> , 2019, 242, 440-449. | 3.8 | 162 |
| 78 | Understanding the roles of activators towards setting and hardening control of alkali-activated slag cement. <i>Composites Part B: Engineering</i> , 2019, 171, 34-45. | 5.9 | 116 |
| 79 | Effects of pretreated fine lightweight aggregate on shrinkage and pore structure of ultra-high strength concrete. <i>Construction and Building Materials</i> , 2019, 204, 276-287. | 3.2 | 84 |
| 80 | A quantitative study on physical and chemical effects of limestone powder on properties of cement pastes. <i>Construction and Building Materials</i> , 2019, 204, 58-69. | 3.2 | 39 |
| 81 | An overview on the reuse of waste glasses in alkali-activated materials. <i>Resources, Conservation and Recycling</i> , 2019, 144, 297-309. | 5.3 | 145 |
| 82 | Rheological performance investigation and sustainability evaluation of asphalt binder with thermochromic powders under solar radiation. <i>Solar Energy Materials and Solar Cells</i> , 2019, 191, 175-182. | 3.0 | 40 |
| 83 | Effect of water absorption of SAP on the rheological properties of cement-based materials with ultra-low w/b ratio. <i>Construction and Building Materials</i> , 2019, 195, 66-74. | 3.2 | 56 |
| 84 | Shrinkage and strength development of UHSC incorporating a hybrid system of SAP and SRA. <i>Cement and Concrete Composites</i> , 2019, 97, 175-189. | 4.6 | 79 |
| 85 | Mixture design of concrete using simplex centroid design method. <i>Cement and Concrete Composites</i> , 2018, 89, 76-88. | 4.6 | 85 |
| 86 | Design of high performance concrete with multiple performance requirements for #2 Dongting Lake Bridge. <i>Construction and Building Materials</i> , 2018, 165, 825-832. | 3.2 | 14 |
| 87 | Evaluation of aging behaviors of asphalt binders through different rheological indices. <i>Fuel</i> , 2018, 221, 78-88. | 3.4 | 299 |
| 88 | Effect of inorganic surface treatment on surface hardness and carbonation of cement-based materials. <i>Cement and Concrete Composites</i> , 2018, 90, 218-224. | 4.6 | 27 |
| 89 | Influences of chloride immersion on zeta potential and chloride concentration index of cement-based materials. <i>Cement and Concrete Research</i> , 2018, 106, 49-56. | 4.6 | 25 |
| 90 | Alkali-silica reaction in waterglass-activated slag mortars incorporating fly ash and metakaolin. <i>Cement and Concrete Research</i> , 2018, 108, 10-19. | 4.6 | 103 |

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| 91 | How do fiber shape and matrix composition affect fiber pullout behavior and flexural properties of UHPC?. Cement and Concrete Composites, 2018, 90, 193-201. | 4.6 | 172 |
| 92 | Durability of recycled aggregate concrete – A review. Cement and Concrete Composites, 2018, 89, 251-259. | 4.6 | 484 |
| 93 | Physical, rheological and chemical characterization of aging behaviors of thermochromic asphalt binder. Fuel, 2018, 211, 850-858. | 3.4 | 157 |
| 94 | Effect of mineral admixtures on the structural build-up of cement paste. Construction and Building Materials, 2018, 160, 117-126. | 3.2 | 103 |
| 95 | Multi-scale investigation of microstructure, fiber pullout behavior, and mechanical properties of ultra-high performance concrete with nano-CaCO ₃ particles. Cement and Concrete Composites, 2018, 86, 255-265. | 4.6 | 135 |
| 96 | A review on effects of limestone powder on the properties of concrete. Construction and Building Materials, 2018, 192, 153-166. | 3.2 | 174 |
| 97 | Effect of SCM and nano-particles on static and dynamic mechanical properties of UHPC. Construction and Building Materials, 2018, 182, 118-125. | 3.2 | 64 |
| 98 | Effects of carbonated hardened cement paste powder on hydration and microstructure of Portland cement. Construction and Building Materials, 2018, 186, 699-708. | 3.2 | 175 |
| 99 | Effects of alkali dosage and silicate modulus on alkali-silica reaction in alkali-activated slag mortars. Cement and Concrete Research, 2018, 111, 104-115. | 4.6 | 79 |
| 100 | Effect of alkali dosage and silicate modulus on carbonation of alkali-activated slag mortars. Cement and Concrete Research, 2018, 113, 55-64. | 4.6 | 153 |
| 101 | A mixture proportioning method for the development of performance-based alkali-activated slag-based concrete. Cement and Concrete Composites, 2018, 93, 163-174. | 4.6 | 119 |
| 102 | Carbon dioxide sequestration by alkali-activated materials. , 2018, , 279-298. | | 3 |
| 103 | Strength and microstructure of CO ₂ cured low-calcium clinker. Construction and Building Materials, 2018, 188, 417-423. | 3.2 | 65 |
| 104 | The role of seawater in interaction of slag and silica fume with cement in low water-to-binder ratio pastes at the early age of hydration. Construction and Building Materials, 2018, 185, 508-518. | 3.2 | 89 |
| 105 | Influences of shear-mixing rate and fly ash on rheological behavior of cement pastes under continuous mixing. Construction and Building Materials, 2018, 188, 170-177. | 3.2 | 53 |
| 106 | Effect of Limestone Powder Content on the Early-Age Properties of CO ₂ -Cured Concrete. Journal of Materials in Civil Engineering, 2018, 30, . | 1.3 | 22 |
| 107 | A review on use of limestone powder in cement-based materials: Mechanism, hydration and microstructures. Construction and Building Materials, 2018, 181, 659-672. | 3.2 | 266 |
| 108 | Comparative study on flexural properties of ultra-high performance concrete with supplementary cementitious materials under different curing regimes. Construction and Building Materials, 2017, 136, 307-313. | 3.2 | 137 |

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|-----|---|-----|-----------|
| 109 | Static and dynamic compressive properties of ultra-high performance concrete (UHPC) with hybrid steel fiber reinforcements. <i>Cement and Concrete Composites</i> , 2017, 79, 148-157. | 4.6 | 296 |
| 110 | Effect of alkali dosage on alkali-silica reaction in sodium hydroxide activated slag mortars. <i>Construction and Building Materials</i> , 2017, 143, 16-23. | 3.2 | 66 |
| 111 | An overview on the effect of internal curing on shrinkage of high performance cement-based materials. <i>Construction and Building Materials</i> , 2017, 146, 702-712. | 3.2 | 175 |
| 112 | Effect of limestone powder on the water stability of magnesium phosphate cement-based materials. <i>Construction and Building Materials</i> , 2017, 148, 590-598. | 3.2 | 54 |
| 113 | Autogenous shrinkage of high performance concrete: A review. <i>Construction and Building Materials</i> , 2017, 149, 62-75. | 3.2 | 266 |
| 114 | Effect of curing regime on water resistance of magnesium potassium phosphate cement. <i>Construction and Building Materials</i> , 2017, 151, 43-51. | 3.2 | 82 |
| 115 | On the measurement of evolution of structural build-up of cement paste with time by static yield stress test vs. small amplitude oscillatory shear test. <i>Cement and Concrete Research</i> , 2017, 99, 183-189. | 4.6 | 174 |
| 116 | Drying shrinkage and cracking resistance of concrete made with ternary cementitious components. <i>Construction and Building Materials</i> , 2017, 149, 406-415. | 3.2 | 82 |
| 117 | Synergetic effect of multi-dimensional nanomaterials for anti-aging properties of SBS modified bitumen. <i>Construction and Building Materials</i> , 2017, 144, 423-431. | 3.2 | 45 |
| 118 | Effect of nano-SiO ₂ particles and curing time on development of fiber-matrix bond properties and microstructure of ultra-high strength concrete. <i>Cement and Concrete Research</i> , 2017, 95, 247-256. | 4.6 | 190 |
| 119 | Effects of SAP on the properties and pore structure of high performance cement-based materials. <i>Construction and Building Materials</i> , 2017, 131, 476-484. | 3.2 | 126 |
| 120 | Effects of CO ₂ surface treatment on strength and permeability of one-day-aged cement mortar. <i>Construction and Building Materials</i> , 2017, 154, 1087-1095. | 3.2 | 69 |
| 121 | Early age shrinkage and heat of hydration of cement-fly ash-slag ternary blends. <i>Construction and Building Materials</i> , 2017, 153, 857-865. | 3.2 | 84 |
| 122 | Effect of constituents on rheological properties of fresh concrete-A review. <i>Cement and Concrete Composites</i> , 2017, 83, 146-159. | 4.6 | 314 |
| 123 | Durability of alkali-activated materials in aggressive environments: A review on recent studies. <i>Construction and Building Materials</i> , 2017, 152, 598-613. | 3.2 | 225 |
| 124 | Microstructural changes in alkali-activated slag mortars induced by accelerated carbonation. <i>Cement and Concrete Research</i> , 2017, 100, 214-226. | 4.6 | 246 |
| 125 | Composition design and performance of alkali-activated cements. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1. | 1.3 | 104 |
| 126 | Effects of different nanomaterials on hardening and performance of ultra-high strength concrete (UHSC). <i>Cement and Concrete Composites</i> , 2016, 70, 24-34. | 4.6 | 190 |

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|-----|--|-----|-----------|
| 127 | Interactions between inorganic surface treatment agents and matrix of Portland cement-based materials. <i>Construction and Building Materials</i> , 2016, 113, 721-731. | 3.2 | 34 |
| 128 | Effects of triisopropanol amine, sodium chloride and limestone on the compressive strength and hydration of Portland cement. <i>Construction and Building Materials</i> , 2016, 125, 210-218. | 3.2 | 23 |
| 129 | Uniaxial Compression Behavior of Ultra-High Performance Concrete with Hybrid Steel Fiber. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, . | 1.3 | 103 |
| 130 | Effect of further water curing on compressive strength and microstructure of CO ₂ -cured concrete. <i>Cement and Concrete Composites</i> , 2016, 72, 80-88. | 4.6 | 125 |
| 131 | Effects of limestone powder on CaCO ₃ precipitation in CO ₂ cured cement pastes. <i>Cement and Concrete Composites</i> , 2016, 72, 9-16. | 4.6 | 111 |
| 132 | Influence of silica fume content on microstructure development and bond to steel fiber in ultra-high strength cement-based materials (UHSC). <i>Cement and Concrete Composites</i> , 2016, 71, 97-109. | 4.6 | 256 |
| 133 | Effects of inorganic surface treatment on water permeability of cement-based materials. <i>Cement and Concrete Composites</i> , 2016, 67, 85-92. | 4.6 | 55 |
| 134 | Effects of steel fiber content and shape on mechanical properties of ultra high performance concrete. <i>Construction and Building Materials</i> , 2016, 103, 8-14. | 3.2 | 502 |
| 135 | Factorial Design Method for Designing Ternary Composite Cements to Mitigate ASR Expansion. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, . | 1.3 | 17 |
| 136 | Influence of Nanolimestone on the Hydration, Mechanical Strength, and Autogenous Shrinkage of Ultrahigh-Performance Concrete. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, . | 1.3 | 96 |
| 137 | Performance enhancement of recycled concrete aggregate – A review. <i>Journal of Cleaner Production</i> , 2016, 112, 466-472. | 4.6 | 715 |
| 138 | The hydration and microstructure of ultra high-strength concrete with cement–silica fume–slag binder. <i>Cement and Concrete Composites</i> , 2015, 61, 44-52. | 4.6 | 141 |
| 139 | A review on ultra high performance concrete: Part I. Raw materials and mixture design. <i>Construction and Building Materials</i> , 2015, 101, 741-751. | 3.2 | 794 |
| 140 | A review on alkali-aggregate reactions in alkali-activated mortars/concretes made with alkali-reactive aggregates. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015, 48, 621-628. | 1.3 | 84 |
| 141 | Comparison of alkali–silica reactions in alkali-activated slag and Portland cement mortars. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015, 48, 743-751. | 1.3 | 59 |
| 142 | Advances in understanding alkali-activated materials. <i>Cement and Concrete Research</i> , 2015, 78, 110-125. | 4.6 | 954 |
| 143 | Effects of Deicing Salts on the Scaling Resistance of Concrete. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, . | 1.3 | 43 |
| 144 | Performance Enhancement of Recycled Concrete Aggregates through Carbonation. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, . | 1.3 | 237 |

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|-----|---|-----|-----------|
| 145 | A review on ultra high performance concrete: Part II. Hydration, microstructure and properties. <i>Construction and Building Materials</i> , 2015, 96, 368-377. | 3.2 | 554 |
| 146 | Influence of carbonated recycled concrete aggregate on properties of cement mortar. <i>Construction and Building Materials</i> , 2015, 98, 1-7. | 3.2 | 217 |
| 147 | Influence of surface modification on physical and ultraviolet aging resistance of bitumen containing inorganic nanoparticles. <i>Construction and Building Materials</i> , 2015, 98, 735-740. | 3.2 | 102 |
| 148 | Investigation of Approaches for Improving Interfacial Transition Zone-Related Freezing-and-Thawing Resistance in Concrete Pavements. <i>ACI Materials Journal</i> , 2015, 112, . | 0.3 | 12 |
| 149 | Research Progresses in Magnesium Phosphate Cement-Based Materials. <i>Journal of Materials in Civil Engineering</i> , 2014, 26, . | 1.3 | 99 |
| 150 | Effect of waterglass on water stability of potassium magnesium phosphate cement paste. <i>Cement and Concrete Composites</i> , 2014, 53, 83-87. | 4.6 | 98 |
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