

Kamal Henri Khayat

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

295 papers	9,904 citations	53 h-index	89 g-index
310 ext. papers	13,660 ext. citations	6 avg, IF	7.33 L-index

#	Paper	IF	Citations
295	Design, dynamic performance and ecological efficiency of fiber-reinforced mortars with different binder systems: Ordinary Portland cement, limestone calcined clay cement and alkali-activated slag. <i>Journal of Cleaner Production</i> , 2022 , 337, 130478	10.3	2
294	Prediction of lubrication layer properties of pumped concrete based on flow induced particle migration. <i>Construction and Building Materials</i> , 2022 , 322, 126115	6.7	2
293	Effect of carbon nanotube and graphite nanoplatelet on composition, structure, and nano-mechanical properties of C-S-H in UHPC. <i>Cement and Concrete Research</i> , 2022 , 154, 106713	10.3	2
292	Effect of type and content of expansive agent on performance of fiber-reinforced concrete with adapted rheology. <i>Construction and Building Materials</i> , 2022 , 314, 125610	6.7	0
291	Viscosity modifying agents: Key components of advanced cement-based materials with adapted rheology. <i>Cement and Concrete Research</i> , 2022 , 152, 106646	10.3	4
290	Novel tri-viscous model to simulate pumping of flowable concrete through characterization of lubrication layer and plug zones. <i>Cement and Concrete Composites</i> , 2022 , 126, 104370	8.6	1
289	Dynamical properties of environmental high-performance composites with calcined clay. <i>Journal of Cleaner Production</i> , 2022 , 335, 130226	10.3	1
288	Simplified analytical model to assess key factors influenced by fiber alignment and their effect on tensile performance of UHPC. <i>Cement and Concrete Composites</i> , 2022 , 127, 104395	8.6	1
287	Digital fabrication of eco-friendly ultra-high performance fiber-reinforced concrete. <i>Cement and Concrete Composites</i> , 2022 , 125, 104281	8.6	5
286	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	6.7	0
285	Feasibility study of implementing gamma-ray computed tomography on measuring aggregate distribution and radiation shielding properties of concrete samples. <i>Construction and Building Materials</i> , 2022 , 327, 127034	6.7	0
284	For the improvement of mechanical and microstructural properties of UHPC with fiber alignment using carbon nanotube and graphite nanoplatelet. <i>Cement and Concrete Composites</i> , 2022 , 129, 104462	8.6	0
283	Internal curing effect of saturated coral coarse aggregate in high-strength seawater sea sand concrete. <i>Construction and Building Materials</i> , 2022 , 331, 127280	6.7	0
282	An overview on the effect of pumping on concrete properties. <i>Cement and Concrete Composites</i> , 2022 , 129, 104501	8.6	0
281	Size effect of ultra-high-performance concrete under compression: effects of steel fiber characteristics and water-to-binder ratio. <i>Construction and Building Materials</i> , 2022 , 330, 127170	6.7	0
280	Use of saturated lightweight sand to improve the mechanical and microstructural properties of UHPC with fiber alignment. <i>Cement and Concrete Composites</i> , 2022 , 129, 104513	8.6	
279	Mechanisms affecting viscosity of cement paste made with microfines of manufactured sand. <i>Cement and Concrete Research</i> , 2022 , 156, 106757	10.3	1

278	Tension-Stiffening Effect Consideration for Modeling Deflection of Cracked Reinforced UHPC Beams. <i>Sustainability</i> , 2022 , 14, 415	3.6	0
277	Coupled effect of fiber and granular skeleton characteristics on packing density of fiber-aggregate mixtures. <i>Construction and Building Materials</i> , 2022 , 342, 127932	6.7	0
276	Investigation on chloride binding capacity and stability of Friedel's salt in graphene oxide reinforced cement paste. <i>Cement and Concrete Composites</i> , 2022 , 132, 104603	8.6	0
275	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	6.7	1
274	Coupled effect of expansive agent and curing on mechanical and shrinkage properties of fiber-reinforced Eco-Crete. <i>Construction and Building Materials</i> , 2021 , 310, 125285	6.7	0
273	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	3.4	3
272	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	3.8	2
271	Mechanical properties of fiber-reinforced concrete with adapted rheology. <i>Cement and Concrete Composites</i> , 2021 , 118, 103958	8.6	3
270	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	10.3	10
269	Contribution of fiber alignment on flexural properties of UHPC and prediction using the Composite Theory. <i>Cement and Concrete Composites</i> , 2021 , 118, 103971	8.6	17
268	Design and performance of low shrinkage UHPC for thin bonded bridge deck overlay. <i>Cement and Concrete Composites</i> , 2021 , 118, 103953	8.6	17
267	Damping characteristics of PVA fiber-reinforced cementitious composite containing high-volume fly ash under frequency-temperature coupling effects. <i>Cement and Concrete Composites</i> , 2021 , 118, 103919	8.6	6
266	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	10.3	12
265	Chloride migration in cement mortars with ultra-low water to binder ratio. <i>Cement and Concrete Composites</i> , 2021 , 118, 103974	8.6	4
264	Effect of flow behavior and process-induced variations on shape stability of 3D printed elements □ A review. <i>Cement and Concrete Composites</i> , 2021 , 118, 103952	8.6	7
263	Effects of SAP characteristics on internal curing of UHPC matrix. <i>Construction and Building Materials</i> , 2021 , 280, 122530	6.7	15
262	Mechanisms underlying the strength enhancement of UHPC modified with nano-SiO ₂ and nano-CaCO ₃ . <i>Cement and Concrete Composites</i> , 2021 , 119, 103992	8.6	25
261	Fiber orientation effects on ultra-high performance concrete formed by 3D printing. <i>Cement and Concrete Research</i> , 2021 , 143, 106384	10.3	35

260	Durability and transport properties of SCC incorporating dredged sediments. <i>Construction and Building Materials</i> , 2021 , 288, 123116	6.7	6
259	Form pressure characteristics of self-consolidating concrete used in repair. <i>Cement and Concrete Composites</i> , 2021 , 122, 104118	8.6	3
258	Structural evolution of cement paste with nano-Fe ₃ O ₄ under magnetic field - Effect of concentration and particle size of nano-Fe ₃ O ₄ . <i>Cement and Concrete Composites</i> , 2021 , 120, 104036	8.6	12
257	Factors affecting the effectiveness of internal curing: A review. <i>Construction and Building Materials</i> , 2021 , 267, 121017	6.7	9
256	Flexural Creep and Recovery of Fiber-Reinforced SCC - Testing Methodology and Material Performance. <i>Journal of Advanced Concrete Technology</i> , 2021 , 19, 67-81	2.3	2
255	Influence of fiber alignment and length on flexural properties of UHPC. <i>Construction and Building Materials</i> , 2021 , 290, 122863	6.7	12
254	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	8.6	12
253	A review on seawater sea-sand concrete: Mixture proportion, hydration, microstructure and properties. <i>Construction and Building Materials</i> , 2021 , 295, 123602	6.7	14
252	Contribution of fiber orientation to enhancing dynamic properties of UHPC under impact loading. <i>Cement and Concrete Composites</i> , 2021 , 121, 104108	8.6	18
251	Ambient temperature cured just-add-water geopolymer for 3D concrete printing applications. <i>Cement and Concrete Composites</i> , 2021 , 121, 104060	8.6	16
250	Flexural Behavior of Fiber-Reinforced SCC for Monolithic and Composite Beams. <i>Journal of Advanced Concrete Technology</i> , 2021 , 19, 937-949	2.3	1
249	Multi-level modeling of thermal behavior of phase change material incorporated lightweight aggregate and concrete. <i>Cement and Concrete Composites</i> , 2021 , 122, 104131	8.6	2
248	Change in fresh properties of high-strength concrete due to pumping. <i>Construction and Building Materials</i> , 2021 , 300, 124069	6.7	3
247	Prediction of fiber orientation and flexural performance of UHPC based on suspending mortar rheology and casting method. <i>Cement and Concrete Composites</i> , 2021 , 122, 104142	8.6	13
246	Thixotropic structural build-up of cement-based materials: A state-of-the-art review. <i>Cement and Concrete Composites</i> , 2021 , 122, 104152	8.6	13
245	Machine learning for high-fidelity prediction of cement hydration kinetics in blended systems. <i>Materials and Design</i> , 2021 , 208, 109920	8.1	5
244	Effect of shrinkage-mitigating materials on performance of fiber-reinforced concrete [An overview. <i>Construction and Building Materials</i> , 2021 , 305, 124586	6.7	5
243	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	6.7	2

242	Hydration and microstructure of calcined hydrotalcite activated high-volume fly ash cementitious composite. <i>Cement and Concrete Composites</i> , 2021 , 123, 104213	8.6	3
241	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	8.6	1
240	Microstructural and micromechanical characteristics of ultra-high performance concrete with superabsorbent polymer (SAP). <i>Cement and Concrete Research</i> , 2021 , 149, 106560	10.3	13
239	Mixture design methods for ultra-high-performance concrete - a review. <i>Cement and Concrete Composites</i> , 2021 , 124, 104242	8.6	7
238	New development of ultra-high-performance concrete (UHPC). <i>Composites Part B: Engineering</i> , 2021 , 224, 109220	10	37
237	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	8.6	7
236	Corrosion of steel rebar embedded in UHPC beams with cracked matrix. <i>Construction and Building Materials</i> , 2021 , 313, 125589	6.7	2
235	Mechanical and fracture properties of ultra-high performance geopolymers: Effects of steel fiber and silica fume. <i>Cement and Concrete Composites</i> , 2020 , 112, 103665	8.6	48
234	Development of ultra-high performance geopolymers (UHPGC): Influence of steel fiber on mechanical properties. <i>Cement and Concrete Composites</i> , 2020 , 112, 103670	8.6	33
233	Debonding test method to evaluate bond strength between UHPC and concrete substrate. <i>Materials and Structures/Materiaux Et Constructions</i> , 2020 , 53, 1	3.4	12
232	Generation and property analyses of 3D mesoscale models for plain and fiber reinforced concretes. <i>Cement and Concrete Composites</i> , 2020 , 114, 103714	8.6	6
231	An ensemble machine learning approach for prediction and optimization of modulus of elasticity of recycled aggregate concrete. <i>Construction and Building Materials</i> , 2020 , 244, 118271	6.7	45
230	Durability of ultra-high performance concrete [A review]. <i>Construction and Building Materials</i> , 2020 , 255, 119296	6.7	73
229	Thermal performance and corrosion resistance of structural-functional concrete made with inorganic PCM. <i>Construction and Building Materials</i> , 2020 , 249, 118768	6.7	18
228	Immobilization of hazardous ferronickel slag treated using ternary limestone calcined clay cement. <i>Construction and Building Materials</i> , 2020 , 250, 118837	6.7	10
227	Valorization of dredged sediments in self-consolidating concrete: Fresh, hardened, and microstructural properties. <i>Journal of Cleaner Production</i> , 2020 , 263, 121472	10.3	14
226	FRP confinement of SCC incorporating expansive agent and saturated lightweight sand. <i>Construction and Building Materials</i> , 2020 , 252, 118924	6.7	5
225	Quantitative Evaluation of Orientation of Steel Fibers in 3D-Printed Ultra-High Performance Concrete. <i>RILEM Bookseries</i> , 2020 , 389-397	0.5	

224	Structural Build-Up of Cementitious Paste Under External Magnetic Fields. <i>RILEM Bookseries</i> , 2020 , 36-42.5	2
223	Effect of superabsorbent polymer characteristics on rheology of ultra-high performance concrete. <i>Cement and Concrete Composites</i> , 2020 , 112, 103636	8.6 16
222	Admixture compatibility with natural supplementary cementitious materials. <i>Cement and Concrete Composites</i> , 2020 , 112, 103683	8.6 9
221	Shrinkage of high-performance fiber-reinforced concrete with adapted rheology. <i>Construction and Building Materials</i> , 2020 , 232, 117234	6.7 7
220	Variations in surface quality of self-consolidation and highly workable concretes with formwork material. <i>Construction and Building Materials</i> , 2020 , 238, 117638	6.7 9
219	The rotation speed-torque transformation equation of the Robertson-Stiff model in wide gap coaxial cylinders rheometer and its applications for fresh concrete. <i>Cement and Concrete Composites</i> , 2020 , 107, 103511	8.6 4
218	Effects of lightweight sand and steel fiber contents on the corrosion performance of steel rebar embedded in UHPC. <i>Construction and Building Materials</i> , 2020 , 238, 117709	6.7 19
217	An amendment of rotation speed-torque transformation equation for the Herschel-Bulkley model in wide-gap coaxial cylinders rheometer. <i>Construction and Building Materials</i> , 2020 , 237, 117530	6.7 4
216	Rheology control of ultra-high-performance concrete made with different fiber contents. <i>Cement and Concrete Research</i> , 2020 , 138, 106222	10.3 32
215	Methodology to evaluate variations in concrete color caused by white cement substitutions and forming materials. <i>Materials and Structures/Materiaux Et Constructions</i> , 2020 , 53, 1	3.4 3
214	Decalcification effect on stabilization/solidification performance of Pb-containing geopolymers. <i>Cement and Concrete Composites</i> , 2020 , 114, 103803	8.6 9
213	Factors affecting air-entrainment and performance of roller compacted concrete. <i>Construction and Building Materials</i> , 2020 , 259, 120413	6.7 5
212	Effect of welan gum and nanoclay on thixotropy of UHPC. <i>Cement and Concrete Research</i> , 2020 , 138, 106238	10.3 16
211	Evolution of elastic behavior of alite paste at early hydration stages. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 6490-6504	3.8 5
210	Rheological Properties of Cement Paste with Nano-FeO under Magnetic Field: Flow Curve and Nanoparticle Agglomeration. <i>Materials</i> , 2020 , 13,	3.5 4
209	Effect of graphene oxide on rheology, hydration and strength development of cement paste. <i>Construction and Building Materials</i> , 2020 , 265, 120311	6.7 13
208	Experimental investigation and prediction of elastic modulus of ultra-high performance concrete (UHPC) based on its composition. <i>Cement and Concrete Research</i> , 2020 , 138, 106241	10.3 19
207	Effect of fiber characteristics on fresh properties of fiber-reinforced concrete with adapted rheology. <i>Construction and Building Materials</i> , 2020 , 230, 116852	6.7 14

206	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	6.7	29
205	Elucidating how particle packing controls rheology and strength development of dense cementitious suspensions. <i>Cement and Concrete Composites</i> , 2019 , 104, 103413	8.6	9
204	Pullout properties of AR-glass textile embedded in cement matrix under different velocities and temperatures. <i>Construction and Building Materials</i> , 2019 , 228, 116779	6.7	3
203	Time-dependent rheological behavior of cementitious paste under continuous shear mixing. <i>Construction and Building Materials</i> , 2019 , 226, 591-600	6.7	28
202	An experimental approach to design self-consolidating concrete. <i>Construction and Building Materials</i> , 2019 , 229, 116939	6.7	6
201	Effect of steel fibers with galvanized coatings on corrosion of steel bars embedded in UHPC. <i>Composites Part B: Engineering</i> , 2019 , 177, 107445	10	29
200	Effects of rotational shearing on rheological behavior of fresh mortar with short glass fiber. <i>Construction and Building Materials</i> , 2019 , 203, 314-321	6.7	21
199	Changes in rheology and mechanical properties of ultra-high performance concrete with silica fume content. <i>Cement and Concrete Research</i> , 2019 , 123, 105786	10.3	68
198	Evaluation of the inhibiting effect of graphene oxide on lead leaching from waste cathode-ray tube glass incorporated in cement mortar. <i>Cement and Concrete Composites</i> , 2019 , 104, 103337	8.6	11
197	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	6.7	36
196	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	10	80
195	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	6.7	29
194	Modeling of flow performance of self-consolidating concrete using Dam Break Theory and computational fluid dynamics. <i>Cement and Concrete Composites</i> , 2019 , 102, 14-27	8.6	3
193	Effect of silica fume and slump-retaining polycarboxylate-based dispersant on the development of properties of portland cement paste. <i>Cement and Concrete Composites</i> , 2019 , 99, 181-190	8.6	31
192	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	6.7	43
191	Structural build-up of cementitious paste with nano-Fe ₃ O ₄ under time-varying magnetic fields. <i>Cement and Concrete Research</i> , 2019 , 124, 105857	10.3	26
190	A feasible method for measuring the buildability of fresh 3D printing mortar. <i>Construction and Building Materials</i> , 2019 , 227, 116600	6.7	55
189	Rheological properties of ultra-high-performance concrete [An overview. <i>Cement and Concrete Research</i> , 2019 , 124, 105828	10.3	73

188	Recommendations of RILEM TC 260-RSC for using superabsorbent polymers (SAP) for improving freeze-thaw resistance of cement-based materials. <i>Materials and Structures/Materiaux Et Constructions</i> , 2019 , 52, 1	3.4	10
187	Mitigation techniques for autogenous shrinkage of ultra-high-performance concrete [A review. <i>Composites Part B: Engineering</i> , 2019 , 178, 107456	10	67
186	Numerical and analytical modeling of fiber-matrix bond behaviors of high performance cement composite. <i>Cement and Concrete Research</i> , 2019 , 125, 105892	10.3	17
185	Rheological behavior of Portland clinker-calcium sulphoaluminate clinker-anhydrite ternary blend. <i>Cement and Concrete Composites</i> , 2019 , 104, 103403	8.6	14
184	Assessment of Bond Strength of Underwater Polymer-Modified Concrete. <i>ACI Materials Journal</i> , 2019 , 116,	0.9	6
183	Hardening, microstructure, and shrinkage development of UHPC: A review. <i>Journal of Asian Concrete Federation</i> , 2019 , 5, 1-19	1.8	10
182	Experimental Study on Splice Strength of Glass Fiber-Reinforced Polymer Reinforcing Bars in Normal and Self-Consolidating Concrete. <i>ACI Materials Journal</i> , 2019 , 116,	0.9	1
181	Strategies to Mitigate Cracking of Self-Consolidating Concrete. <i>ACI Materials Journal</i> , 2019 , 116,	0.9	2
180	Effect of structural buildup at rest of self-consolidating concrete on mechanical and transport properties of multilayer casting. <i>Construction and Building Materials</i> , 2019 , 196, 626-636	6.7	10
179	Reply to A discussion on the paper Determination of mortar setting times using shear wave velocity evolution curves measured by the bender element technique By J. Carette and S. Staquet. <i>Cement and Concrete Research</i> , 2019 , 115, 203-206	10.3	2
178	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	6.7	29
177	Shrinkage and strength development of UHSC incorporating a hybrid system of SAP and SRA. <i>Cement and Concrete Composites</i> , 2019 , 97, 175-189	8.6	42
176	Elucidating the Role of Supplementary Cementitious Materials on Shrinkage and Restrained-Shrinkage Cracking of Flowable Eco-Concrete. <i>Journal of Materials in Civil Engineering</i> , 2018 , 30, 04017308	3	7
175	Determination of mortar setting times using shear wave velocity evolution curves measured by the bender element technique. <i>Cement and Concrete Research</i> , 2018 , 106, 1-11	10.3	14
174	Effect of Hybrid Fibers on Fresh Properties, Mechanical Properties, and Autogenous Shrinkage of Cost-Effective UHPC. <i>Journal of Materials in Civil Engineering</i> , 2018 , 30, 04018030	3	71
173	Effect of graphite nanoplatelets and carbon nanofibers on rheology, hydration, shrinkage, mechanical properties, and microstructure of UHPC. <i>Cement and Concrete Research</i> , 2018 , 105, 64-71	10.3	133
172	Performance of mortar prepared with recycled concrete aggregate enhanced by CO ₂ and pozzolan slurry. <i>Cement and Concrete Composites</i> , 2018 , 86, 130-138	8.6	95
171	How do fiber shape and matrix composition affect fiber pullout behavior and flexural properties of UHPC?. <i>Cement and Concrete Composites</i> , 2018 , 90, 193-201	8.6	90

170	Effect of lightweight aggregate on key properties of SCC designated for repair applications. <i>Journal of Sustainable Cement-Based Materials</i> , 2018 , 7, 79-98	3.6	
169	Effect of SCM and nano-particles on static and dynamic mechanical properties of UHPC. <i>Construction and Building Materials</i> , 2018 , 182, 118-125	6.7	27
168	Effects of carbonated hardened cement paste powder on hydration and microstructure of Portland cement. <i>Construction and Building Materials</i> , 2018 , 186, 699-708	6.7	72
167	Use of Fiber-Reinforced Self-Consolidating Concrete to Enhance Serviceability Performance of Damaged Beams. <i>Transportation Research Record</i> , 2018 , 2672, 45-55	1.7	6
166	Coupled effect of shrinkage-mitigating admixtures and saturated lightweight sand on shrinkage of UHPC for overlay applications. <i>Construction and Building Materials</i> , 2018 , 184, 320-329	6.7	37
165	Enhanced dynamic mechanical properties of cement paste modified with graphene oxide nanosheets and its reinforcing mechanism. <i>Cement and Concrete Composites</i> , 2018 , 93, 127-139	8.6	57
164	Development of methodology to evaluate passing ability and test sample preparation for superworkable concrete. <i>Construction and Building Materials</i> , 2018 , 183, 356-364	6.7	7
163	Influences of shear-mixing rate and fly ash on rheological behavior of cement pastes under continuous mixing. <i>Construction and Building Materials</i> , 2018 , 188, 170-177	6.7	24
162	Effect of shrinkage reducing admixture on early expansion and strength evolution of calcium sulfoaluminate blended cement. <i>Cement and Concrete Composites</i> , 2018 , 92, 82-91	8.6	15
161	A review on use of limestone powder in cement-based materials: Mechanism, hydration and microstructures. <i>Construction and Building Materials</i> , 2018 , 181, 659-672	6.7	138
160	Factorial Design and Optimization of Ultra-High-Performance Concrete with Lightweight Sand. <i>ACI Materials Journal</i> , 2018 , 115,	0.9	14
159	Evaluating Structural Buildup at Rest of Self-Consolidating Concrete Using Workability Tests. <i>ACI Materials Journal</i> , 2018 , 115,	0.9	1
158	Can Concrete Containing High-Volume Recycled Concrete Aggregate Be Durable?. <i>ACI Materials Journal</i> , 2018 , 115,	0.9	6
157	Effect of mineral admixtures on the structural build-up of cement paste. <i>Construction and Building Materials</i> , 2018 , 160, 117-126	6.7	53
156	Multi-scale investigation of microstructure, fiber pullout behavior, and mechanical properties of ultra-high performance concrete with nano-CaCO ₃ particles. <i>Cement and Concrete Composites</i> , 2018 , 86, 255-265	8.6	72
155	Understanding the role of particle packing characteristics in rheo-physical properties of cementitious suspensions: A literature review. <i>Construction and Building Materials</i> , 2018 , 161, 340-353	6.7	61
154	Enhancing the performance of calcium sulfoaluminate blended cements with shrinkage reducing admixture or lightweight sand. <i>Cement and Concrete Composites</i> , 2018 , 87, 29-43	8.6	19
153	Feasibility of using near-field microwave reflectometry for monitoring autogenous crack healing in cementitious materials. <i>Cement and Concrete Composites</i> , 2018 , 85, 161-173	8.6	11

152	Ultra-High Performance Concrete 2018 , 1-8		1
151	Experimental study on the bond behavior of GFRP bars in normal and self-consolidating concrete. <i>Construction and Building Materials</i> , 2018 , 189, 869-881	6.7	15
150	Microstructure development and mechanism of hardened cement paste incorporating graphene oxide during carbonation. <i>Cement and Concrete Composites</i> , 2018 , 94, 72-84	8.6	36
149	Effect of concrete rheological properties on quality of formed surfaces cast with self-consolidating concrete and superworkable concrete. <i>Cement and Concrete Composites</i> , 2018 , 93, 75-84	8.6	18
148	Flexural behaviors of fiber-reinforced polymer fabric reinforced ultra-high-performance concrete panels. <i>Cement and Concrete Composites</i> , 2018 , 93, 43-53	8.6	39
147	Mix design approach for low-powder self-consolidating concrete: Eco-SCC content optimization and performance. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017 , 50, 1	3.4	26
146	Effect of particle-size distribution and specific surface area of different binder systems on packing density and flow characteristics of cement paste. <i>Cement and Concrete Composites</i> , 2017 , 78, 120-131	8.6	88
145	Comparative study on flexural properties of ultra-high performance concrete with supplementary cementitious materials under different curing regimes. <i>Construction and Building Materials</i> , 2017 , 136, 307-313	6.7	74
144	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	8.6	167
143	Improving flexural performance of ultra-high-performance concrete by rheology control of suspending mortar. <i>Composites Part B: Engineering</i> , 2017 , 117, 26-34	10	114
142	Influence of formwork material on transport properties of self-consolidating concrete near formed surfaces. <i>Construction and Building Materials</i> , 2017 , 146, 329-337	6.7	8
141	Rheology, hydration, and strength evolution of interground limestone cement containing PCE dispersant and high volume supplementary cementitious materials. <i>Materials and Design</i> , 2017 , 127, 54-66	8.1	38
140	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	6.7	119
139	Effect of Formwork Characteristics on SCC Lateral Pressure. <i>Journal of Materials in Civil Engineering</i> , 2017 , 29, 04016293	3	5
138	Autogenous shrinkage of high performance concrete: A review. <i>Construction and Building Materials</i> , 2017 , 149, 62-75	6.7	155
137	Rheological approach in proportioning and evaluating prestressed self-consolidating concrete. <i>Cement and Concrete Composites</i> , 2017 , 82, 105-116	8.6	17
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