

List of Publications by Citations

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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.

255 papers	15,094 citations	70 h-index	113 g-index
262 ext. papers	18,228 ext. citations	5.9 avg, IF	7.27 L-index

#	Paper	IF	Citations
255	On Engineered Cementitious Composites (ECC). <i>Journal of Advanced Concrete Technology</i> , 2003 , 1, 215-230	2.3	866
254	Steady-State and Multiple Cracking of Short Random Fiber Composites. <i>Journal of Engineering Mechanics - ASCE</i> , 1992 , 118, 2246-2264	2.4	694
253	Autogenous healing of engineered cementitious composites under wet-dry cycles. <i>Cement and Concrete Research</i> , 2009 , 39, 382-390	10.3	385
252	Effect of inclining angle, bundling and surface treatment on synthetic fibre pull-out from a cement matrix. <i>Composites</i> , 1990 , 21, 132-140		278
251	Matrix design for pseudo-strain-hardening fibre reinforced cementitious composites. <i>Materiaux Et Constructions</i> , 1995 , 28, 586-595		269
250	Fiber-Bridging Constitutive Law of Engineered Cementitious Composites. <i>Journal of Advanced Concrete Technology</i> , 2008 , 6, 181-193	2.3	250
249	Measuring and Modifying Interface Properties of PVA Fibers in ECC Matrix. <i>Journal of Materials in Civil Engineering</i> , 2001 , 13, 399-406	3	249
248	Feasibility study of a passive smart self-healing cementitious composite. <i>Composites Part B: Engineering</i> , 1998 , 29, 819-827	10	243
247	Conditions for Pseudo Strain-Hardening in Fiber Reinforced Brittle Matrix Composites. <i>Applied Mechanics Reviews</i> , 1992 , 45, 390-398	8.6	242
246	A micromechanical model of tension-softening and bridging toughening of short random fiber reinforced brittle matrix composites. <i>Journal of the Mechanics and Physics of Solids</i> , 1991 , 39, 607-625	5	226
245	Interface Property and Apparent Strength of High-Strength Hydrophilic Fiber in Cement Matrix. <i>Journal of Materials in Civil Engineering</i> , 1998 , 10, 5-13	3	224
244	Durability properties of micro-cracked ECC containing high volumes fly ash. <i>Cement and Concrete Research</i> , 2009 , 39, 1033-1043	10.3	210
243	Crack bridging in fiber reinforced cementitious composites with slip-hardening interfaces. <i>Journal of the Mechanics and Physics of Solids</i> , 1997 , 45, 763-787	5	208
242	Water permeability of engineered cementitious composites. <i>Cement and Concrete Composites</i> , 2009 , 31, 744-753	8.6	186
241	Postcrack Scaling Relations for Fiber Reinforced Cementitious Composites. <i>Journal of Materials in Civil Engineering</i> , 1992 , 4, 41-57	3	184
240	Robust Self-Healing Concrete for Sustainable Infrastructure. <i>Journal of Advanced Concrete Technology</i> , 2012 , 10, 207-218	2.3	177
239	Practical Design Criteria for Saturated Pseudo Strain Hardening Behavior in ECC. <i>Journal of Advanced Concrete Technology</i> , 2006 , 4, 59-72	2.3	171

238	Tailoring ECC for Special Attributes: A Review. <i>International Journal of Concrete Structures and Materials</i> , 2012 , 6, 135-144	2.8	168
237	Application of ECC for bridge deck link slabs. <i>Materials and Structures/Materiaux Et Constructions</i> , 2009 , 42, 1185-1195	3.4	156
236	Rheology, fiber dispersion, and robust properties of Engineered Cementitious Composites. <i>Materials and Structures/Materiaux Et Constructions</i> , 2013 , 46, 405-420	3.4	148
235	New Micromechanics Design Theory for Pseudostrain Hardening Cementitious Composite. <i>Journal of Engineering Mechanics - ASCE</i> , 1999 , 125, 373-381	2.4	145
234	Autogenous healing of engineered cementitious composites at early age. <i>Cement and Concrete Research</i> , 2011 , 41, 176-183	10.3	144
233	INNOVATIONS FORUM : Engineered Cementitious Composites for Structural Applications. <i>Journal of Materials in Civil Engineering</i> , 1998 , 10, 66-69	3	141
232	Development of engineered cementitious composites with limestone powder and blast furnace slag. <i>Materials and Structures/Materiaux Et Constructions</i> , 2010 , 43, 803-814	3.4	132
231	Flexural/Tensile-Strength Ratio in Engineered Cementitious Composites. <i>Journal of Materials in Civil Engineering</i> , 1994 , 6, 513-528	3	128
230	A self-reinforced cementitious composite for building-scale 3D printing. <i>Cement and Concrete Composites</i> , 2018 , 90, 1-13	8.6	126
229	A feasibility study of strain hardening fiber reinforced fly ash-based geopolymer composites. <i>Construction and Building Materials</i> , 2014 , 57, 163-168	6.7	125
228	Life Cycle Modeling of Concrete Bridge Design: Comparison of Engineered Cementitious Composite Link Slabs and Conventional Steel Expansion Joints. <i>Journal of Infrastructure Systems</i> , 2005 , 11, 51-60	2.9	125
227	Durability of mechanically loaded engineered cementitious composites under highly alkaline environments. <i>Cement and Concrete Composites</i> , 2008 , 30, 72-81	8.6	123
226	Interface property characterization and strengthening mechanisms in fiber reinforced cement based composites. <i>Advanced Cement Based Materials</i> , 1997 , 6, 1-20		122
225	Durable repair of aged infrastructures using trapping mechanism of engineered cementitious composites. <i>Cement and Concrete Composites</i> , 1997 , 19, 373-385	8.6	121
224	Concrete Reinforcement with Recycled Fibers. <i>Journal of Materials in Civil Engineering</i> , 2000 , 12, 314-319		121
223	Effect of Fly Ash and PVA Fiber on Microstructural Damage and Residual Properties of Engineered Cementitious Composites Exposed to High Temperatures. <i>Journal of Materials in Civil Engineering</i> , 2011 , 23, 1735-1745	3	119
222	Internal curing of engineered cementitious composites for prevention of early age autogenous shrinkage cracking. <i>Cement and Concrete Research</i> , 2009 , 39, 893-901	10.3	117
221	Experimental determination of the tension-softening relations for cementitious composites. <i>Cement and Concrete Research</i> , 1987 , 17, 441-452	10.3	116

220	Mechanical and thermal properties of green lightweight engineered cementitious composites. <i>Construction and Building Materials</i> , 2013 , 48, 954-960	6.7	113
219	Influence of micro-cracking on the composite resistivity of Engineered Cementitious Composites. <i>Cement and Concrete Research</i> , 2014 , 58, 1-12	10.3	108
218	Mechanical performance of ECC with high-volume fly ash after sub-elevated temperatures. <i>Construction and Building Materials</i> , 2015 , 99, 82-89	6.7	106
217	Monotonic and fatigue performance in bending of fiber-reinforced engineered cementitious composite in overlay system. <i>Cement and Concrete Research</i> , 2002 , 32, 415-423	10.3	105
216	Multiple Cracking Sequence and Saturation in Fiber Reinforced Cementitious Composites. <i>Concrete Research and Technology</i> , 1998 , 9, 19-33	0.2	104
215	On the shear behavior of engineered cementitious composites. <i>Advanced Cement Based Materials</i> , 1994 , 1, 142-149		102
214	Ultra-high-ductile behavior of a polyethylene fiber-reinforced alkali-activated slag-based composite. <i>Cement and Concrete Composites</i> , 2016 , 70, 153-158	8.6	102
213	Large volume, high-performance applications of fibers in civil engineering. <i>Journal of Applied Polymer Science</i> , 2002 , 83, 660-686	2.9	99
212	Improved fiber distribution and mechanical properties of engineered cementitious composites by adjusting the mixing sequence. <i>Cement and Concrete Composites</i> , 2012 , 34, 342-348	8.6	97
211	Strain-hardening fiber cement optimization and component tailoring by means of a micromechanical model. <i>Construction and Building Materials</i> , 2010 , 24, 130-139	6.7	94
210	The role of flaw size and fiber distribution on tensile ductility of PVA-ECC. <i>Composites Part B: Engineering</i> , 2014 , 56, 536-545	10	93
209	Development of green engineered cementitious composites using iron ore tailings as aggregates. <i>Construction and Building Materials</i> , 2013 , 44, 757-764	6.7	93
208	Tailoring engineered cementitious composites for impact resistance. <i>Cement and Concrete Research</i> , 2012 , 42, 1066-1071	10.3	92
207	Nanoscale characterization of engineered cementitious composites (ECC). <i>Cement and Concrete Research</i> , 2011 , 41, 169-175	10.3	90
206	Dynamic Life-Cycle Modeling of Pavement Overlay Systems: Capturing the Impacts of Users, Construction, and Roadway Deterioration. <i>Journal of Infrastructure Systems</i> , 2010 , 16, 299-309	2.9	89
205	De-icing salt scaling resistance of mechanically loaded engineered cementitious composites. <i>Cement and Concrete Research</i> , 2007 , 37, 1035-1046	10.3	89
204	Effect of fiber reinforcement on the response of structural members. <i>Engineering Fracture Mechanics</i> , 2007 , 74, 258-272	4.2	89
203	Fracture Processes in Concrete and Fiber Reinforced Cementitious Composites. <i>Journal of Engineering Mechanics - ASCE</i> , 1986 , 112, 566-586	2.4	86

202	Development of a self-consolidating engineered cementitious composite employing electrosteric dispersion/stabilization. <i>Cement and Concrete Composites</i> , 2003 , 25, 301-309	8.6	85
201	Self-Healing of Microcracks in Engineered Cementitious Composites (ECC) Under a Natural Environment. <i>Materials</i> , 2013 , 6, 2831-2845	3.5	84
200	Influence of microcracking on water absorption and sorptivity of ECC. <i>Materials and Structures/Materiaux Et Constructions</i> , 2009 , 42, 593-603	3.4	84
199	Durability study on engineered cementitious composites (ECC) under sulfate and chloride environment. <i>Construction and Building Materials</i> , 2017 , 133, 171-181	6.7	83
198	Effect of Fiber Rupture on Tensile Properties of Short Fiber Composites. <i>Journal of Engineering Mechanics - ASCE</i> , 1995 , 121, 903-913	2.4	83
197	Tailoring Engineered Cementitious Composites with local ingredients. <i>Construction and Building Materials</i> , 2015 , 101, 584-595	6.7	82
196	Influence of matrix flowability, fiber mixing procedure, and curing conditions on the mechanical performance of HTPP-ECC. <i>Composites Part B: Engineering</i> , 2014 , 60, 359-370	10	80
195	Effect of fiber inclination on crack bridging stress in brittle fiber reinforced brittle matrix composites. <i>Journal of the Mechanics and Physics of Solids</i> , 1992 , 40, 1333-1362	5	79
194	Modelling of fibre pull-out from a cement matrix. <i>International Journal of Cement Composites and Lightweight Concrete</i> , 1988 , 10, 143-149		79
193	Strain hardening fiber reinforced alkali-activated mortar [A feasibility study. <i>Construction and Building Materials</i> , 2012 , 37, 15-20	6.7	75
192	The effects of surface preparation on the fracture behavior of ECC/concrete repair system. <i>Cement and Concrete Composites</i> , 2000 , 22, 423-431	8.6	75
191	Effect of Fiber Volume Fraction on the Off-Crack-Plane Fracture Energy in Strain -Hardening Engineered Cementitious Composites. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 3369-3375	3.8	75
190	MECHANICS OF SHEAR RUPTURE APPLIED TO EARTHQUAKE ZONES 1987 , 351-428		72
189	Simplified Inverse Method for Determining the Tensile Strain Capacity of Strain Hardening Cementitious Composites. <i>Journal of Advanced Concrete Technology</i> , 2007 , 5, 235-246	2.3	71
188	Effect of Plasma Treatment of Polyethylene Fibers on Interface and cementitious Composite Properties. <i>Journal of the American Ceramic Society</i> , 2005 , 79, 700-704	3.8	71
187	On the emergence of 3D printable Engineered, Strain Hardening Cementitious Composites (ECC/SHCC). <i>Cement and Concrete Research</i> , 2020 , 132, 106038	10.3	70
186	Engineered Cementitious Composite (ECC) 2008 ,		70
185	Tensile Stress-Strain Modeling of Pseudostrain Hardening Cementitious Composites. <i>Journal of Materials in Civil Engineering</i> , 2000 , 12, 147-156	3	70

184	Influence of micro-cracking on the permeability of engineered cementitious composites. <i>Cement and Concrete Composites</i> , 2016 , 72, 104-113	8.6	69
183	Discontinuous micro-fibers as intrinsic reinforcement for ductile Engineered Cementitious Composites (ECC). <i>Composites Part B: Engineering</i> , 2020 , 184, 107741	10	69
182	Frost resistance and microstructure of Engineered Cementitious Composites: Influence of fly ash and micro poly-vinyl-alcohol fiber. <i>Cement and Concrete Composites</i> , 2012 , 34, 156-165	8.6	68
181	An experimental study of synthetic fibre reinforced cementitious composites. <i>Journal of Materials Science</i> , 1987 , 22, 4281-4291	4.3	68
180	An integrated design method of Engineered Geopolymer Composite. <i>Cement and Concrete Composites</i> , 2018 , 88, 73-85	8.6	67
179	On the use of recycled tire rubber to develop low E-modulus ECC for durable concrete repairs. <i>Construction and Building Materials</i> , 2013 , 46, 134-141	6.7	66
178	Fatigue life prediction of fiber reinforced concrete under flexural load. <i>International Journal of Fatigue</i> , 1999 , 21, 1033-1049	5	66
177	Toughening in cement based composites. Part I: Cement, mortar, and concrete. <i>Cement and Concrete Composites</i> , 1996 , 18, 223-237	8.6	65
176	Tensile Behavior of Cement-Based Composites with Random Discontinuous Steel Fibers. <i>Journal of the American Ceramic Society</i> , 1996 , 79, 74-78	3.8	65
175	Fiber/cement interface tailoring with plasma treatment. <i>Cement and Concrete Composites</i> , 1999 , 21, 205-212	8.6	64
174	Tensile Rate Effects in High Strength-High Ductility Concrete. <i>Cement and Concrete Research</i> , 2015 , 68, 94-104	10.3	63
173	Preseismic rupture progression and great earthquake instabilities at plate boundaries. <i>Journal of Geophysical Research</i> , 1983 , 88, 4231-4246		63
172	Effect of Fiber Strength and Fiber-Matrix Interface on Crack Bridging in Cement Composites. <i>Journal of Engineering Mechanics - ASCE</i> , 1999 , 125, 290-299	2.4	61
171	Introducing a curau[Fiber reinforced cement-based composite with strain-hardening behavior. <i>Industrial Crops and Products</i> , 2017 , 103, 1-12	5.9	60
170	Feasibility Study of Developing Green ECC Using Iron Ore Tailings Powder as Cement Replacement. <i>Journal of Materials in Civil Engineering</i> , 2013 , 25, 923-931	3	59
169	Effects of transition zone densification on fiber/cement paste bond strength improvement. <i>Advanced Cement Based Materials</i> , 1997 , 5, 8-17		59
168	Toughening in cement based composites. Part II: Fiber reinforced cementitious composites. <i>Cement and Concrete Composites</i> , 1996 , 18, 239-249	8.6	58
167	Integrated digital twin and blockchain framework to support accountable information sharing in construction projects. <i>Automation in Construction</i> , 2021 , 127, 103688	9.6	58

166	Fatigue crack growth analysis of fiber reinforced concrete with effect of interfacial bond degradation. <i>Cement and Concrete Composites</i> , 1998 , 20, 339-351	8.6	57
165	Tensile properties of synthetic fiber reinforced mortar. <i>Cement and Concrete Composites</i> , 1990 , 12, 29-40	8.6	57
164	Constitutive rheological control to develop a self-consolidating engineered cementitious composite reinforced with hydrophilic poly(vinyl alcohol) fibers. <i>Cement and Concrete Composites</i> , 2003 , 25, 333-341	8.6	56
163	Engineered Cementitious Composites: Can Composites Be Accepted as Crack-Free Concrete?. <i>Transportation Research Record</i> , 2010 , 2164, 1-8	1.7	55
162	Experimental Study on Crack Bridging in FRC under Uniaxial Fatigue Tension. <i>Journal of Materials in Civil Engineering</i> , 2000 , 12, 66-73	3	54
161	Microstructure variability and macroscopic composite properties of high performance fiber reinforced cementitious composites. <i>Probabilistic Engineering Mechanics</i> , 2006 , 21, 201-206	2.6	53
160	Self Healing in Concrete Materials. <i>Springer Series in Materials Science</i> , 2007 , 161-193	0.9	53
159	A simplified micromechanical model of compressive strength of fiber-reinforced cementitious composites. <i>Cement and Concrete Composites</i> , 1992 , 14, 131-141	8.6	53
158	Flaw characterization and correlation with cracking strength in Engineered Cementitious Composites (ECC). <i>Cement and Concrete Research</i> , 2018 , 107, 64-74	10.3	52
157	Self-healing of microcracks in Engineered Cementitious Composites under sulfate and chloride environment. <i>Construction and Building Materials</i> , 2017 , 153, 948-956	6.7	52
156	Engineered Cementitious Composites (ECC) 2019 ,		51
155	Strain-rate effects on the tensile behavior of strain-hardening cementitious composites. <i>Construction and Building Materials</i> , 2014 , 52, 96-104	6.7	50
154	CaCO ₃ whisker modified Engineered Cementitious Composite with local ingredients. <i>Construction and Building Materials</i> , 2017 , 151, 1-8	6.7	49
153	Influences of Fibers on Drying Shrinkage of Fiber-Reinforced Cementitious Composite. <i>Journal of Engineering Mechanics - ASCE</i> , 2001 , 127, 37-44	2.4	49
152	Fracture Toughness of Microfiber Reinforced Cement Composites. <i>Journal of Materials in Civil Engineering</i> , 2002 , 14, 384-391	3	49
151	Bond Properties of Carbon Fibers in Cementitious Matrix. <i>Journal of Materials in Civil Engineering</i> , 1995 , 7, 125-128	3	48
150	Thermal-mechanical behaviors of CFRP-ECC hybrid under elevated temperatures. <i>Composites Part B: Engineering</i> , 2017 , 110, 255-266	10	47
149	Snubbing and Bundling Effects on Multiple Crack Spacing of Discontinuous Random Fiber-Reinforced Brittle Matrix Composites. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 3487-3489	3.8	47

148	Simulation of crack propagation in fiber-reinforced concrete by fracture mechanics. <i>Cement and Concrete Research</i> , 2004 , 34, 333-339	10.3	46
147	Determination of Interfacial Debond Mode for Fiber-Reinforced Cementitious Composites. <i>Journal of Engineering Mechanics - ASCE</i> , 1994 , 120, 707-719	2.4	46
146	Impact resistance of high strength-high ductility concrete. <i>Cement and Concrete Research</i> , 2017 , 98, 24-35	10.3	45
145	Development of durable spray-applied fire-resistive Engineered Cementitious Composites (SFR-ECC). <i>Cement and Concrete Composites</i> , 2015 , 60, 10-16	8.6	45
144	FROM MICROMECHANICS TO STRUCTURAL ENGINEERING. <i>Doboku Gakkai Ronbunshu</i> , 1993 , 1993, 1-12		45
143	Flexural Strength of Fiber Cementitious Composites. <i>Journal of Materials in Civil Engineering</i> , 1994 , 6, 390-406	3	45
142	A design approach for the mechanical properties of polypropylene discontinuous fiber reinforced cementitious composites by extrusion molding. <i>Engineering Fracture Mechanics</i> , 2003 , 70, 853-870	4.2	44
141	Integrated structures and materials design. <i>Materials and Structures/Materiaux Et Constructions</i> , 2007 , 40, 387-396	3.4	43
140	Fatigue life analysis of fiber reinforced concrete with a fracture mechanics based model. <i>Cement and Concrete Composites</i> , 1999 , 21, 249-261	8.6	42
139	Seawater sea-sand engineered/strain-hardening cementitious composites (ECC/SHCC): Assessment and modeling of crack characteristics. <i>Cement and Concrete Research</i> , 2021 , 140, 106292	10.3	42
138	Development of reactive MgO-based Engineered Cementitious Composite (ECC) through accelerated carbonation curing. <i>Construction and Building Materials</i> , 2018 , 191, 23-31	6.7	41
137	Influence of microcrack self-healing behavior on the permeability of Engineered Cementitious Composites. <i>Cement and Concrete Composites</i> , 2017 , 82, 14-22	8.6	40
136	Multiple-scale investigations on self-healing induced mechanical property recovery of ECC. <i>Cement and Concrete Composites</i> , 2019 , 103, 293-302	8.6	40
135	Life cycle analysis of pavement overlays made with Engineered Cementitious Composites. <i>Cement and Concrete Composites</i> , 2013 , 35, 78-88	8.6	40
134	A hybridized displacement discontinuity and indirect boundary element method to model fracture propagation. <i>International Journal of Fracture</i> , 1990 , 45, 263-282	2.3	39
133	Effect of morphological parameters of natural sand on mechanical properties of engineered cementitious composites. <i>Cement and Concrete Composites</i> , 2019 , 100, 108-119	8.6	37
132	Simplified Inverse Method for Determining the Tensile Properties of Strain Hardening Cementitious Composites (SHCC). <i>Journal of Advanced Concrete Technology</i> , 2008 , 6, 353-363	2.3	37
131	Crack bridging model for fibre reinforced concrete under fatigue tension. <i>International Journal of Fatigue</i> , 2001 , 23, 655-670	5	36

130	Effect of Sustained Flexural Loading on Self-Healing of Engineered Cementitious Composites. <i>Journal of Advanced Concrete Technology</i> , 2013 , 11, 167-179	2.3	35
129	Effect of fiber length variation on tensile properties of carbon-fiber cement composites. <i>Composites Part B: Engineering</i> , 1994 , 4, 947-964		35
128	A statistical tensile model of fibre reinforced cementitious composites. <i>Composites</i> , 1989 , 20, 265-274		35
127	Applications of a two-way debonding theory to short fibre composites. <i>Composites</i> , 1990 , 21, 305-317		35
126	Numerical model on the stress field and multiple cracking behavior of Engineered Cementitious Composites (ECC). <i>Construction and Building Materials</i> , 2017 , 133, 118-127	6.7	34
125	Influence of Supporting Base Characteristics on Shrinkage-Induced Stresses in Concrete Pavements. <i>Journal of Transportation Engineering</i> , 2001 , 127, 455-462		33
124	Postseismic stress and pore pressure readjustment and aftershock distributions. <i>Tectonophysics</i> , 1987 , 144, 37-54	3.1	33
123	A mechanical model of precursory source processes for some large earthquakes. <i>Geophysical Research Letters</i> , 1982 , 9, 393-396	4.9	30
122	Development of lightweight engineered cementitious composite for durability enhancement of tall concrete wind towers. <i>Cement and Concrete Composites</i> , 2019 , 96, 87-94	8.6	30
121	Mechanical and self-healing behavior of low carbon engineered cementitious composites reinforced with PP-fibers. <i>Construction and Building Materials</i> , 2020 , 259, 119805	6.7	29
120	Introducing Ductile Strip for Durability Enhancement of Concrete Slabs. <i>Journal of Materials in Civil Engineering</i> , 2002 , 14, 253-261	3	29
119	Design and structural applications of stress-crack width relations in fibre reinforced concrete. <i>Materiaux Et Constructions</i> , 1995 , 28, 210-219		29
118	Hydraulic conductivity and self-healing performance of Engineered Cementitious Composites exposed to Acid Mine Drainage. <i>Science of the Total Environment</i> , 2020 , 716, 137095	10.2	28
117	Effect of inclination angle on fiber rupture load in fiber reinforced cementitious composites. <i>Composites Science and Technology</i> , 2002 , 62, 775-781	8.6	28
116	Engineered Cementitious Composites (ECC) with limestone calcined clay cement (LC3). <i>Cement and Concrete Composites</i> , 2020 , 114, 103766	8.6	28
115	Effects of a strong polyelectrolyte on the rheological properties of concentrated cementitious suspensions. <i>Cement and Concrete Research</i> , 2006 , 36, 851-857	10.3	27
114	Optimal Pre-hydration Age for CO ₂ Sequestration through Portland Cement Carbonation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 15976-15981	8.3	27
113	Adhesive bonding of fire-resistive engineered cementitious composites (ECC) to steel. <i>Construction and Building Materials</i> , 2014 , 64, 431-439	6.7	26

112	Micromechanics-guided development of a slag/fly ash-based strain-hardening geopolymer composite. <i>Cement and Concrete Composites</i> , 2020 , 109, 103510	8.6	26
111	Low E Modulus Early Strength Engineered Cementitious Composites Material: Development for Ultrathin Whitetopping Overlay. <i>Transportation Research Record</i> , 2015 , 2481, 41-47	1.7	25
110	Research on production, performance and fibre dispersion of PVA engineering cementitious composites. <i>Materials Science and Technology</i> , 2009 , 25, 651-656	1.5	25
109	Electrosteric stabilization of concentrated cement suspensions imparted by a strong anionic polyelectrolyte and a non-ionic polymer. <i>Cement and Concrete Research</i> , 2006 , 36, 842-850	10.3	25
108	Size Effect on Fatigue in Bending of Concrete. <i>Journal of Materials in Civil Engineering</i> , 2001 , 13, 446-453		25
107	Development of thermally adaptive Engineered Cementitious Composite for passive heat storage. <i>Construction and Building Materials</i> , 2014 , 67, 366-372	6.7	24
106	Ductile Concrete Material with Self-Healing Capacity for Jointless Concrete Pavement Use. <i>Transportation Research Record</i> , 2017 , 2640, 78-83	1.7	24
105	Mechanical and electrical characterization of self-sensing carbon black ECC 2011 ,		24
104	DESIGN OF ENGINEERED CEMENTITIOUS COMPOSITES (ECC) FOR PROCESSING AND WORKABILITY REQUIREMENTS 2003 , 29-36		24
103	Size effects, process zone and tension softening behavior in fracture of geomaterials. <i>Engineering Fracture Mechanics</i> , 1989 , 34, 669-678	4.2	24
102	High-Performance and Multifunctional Cement-Based Composite Material. <i>Engineering</i> , 2019 , 5, 250-260	9.7	22
101	Numerical study on steady-state cracking of composites. <i>Composites Science and Technology</i> , 2007 , 67, 151-156	8.6	22
100	A meso-mechanical model of the tensile behaviour of concrete. part II: modelling of post-peak tension softening behaviour. <i>Composites</i> , 1989 , 20, 370-378		22
99	Stress transfer and nonlinear stress accumulation at subduction-type plate boundaries □ Application to the Aleutians. <i>Pure and Applied Geophysics</i> , 1985 , 122, 812-830	2.2	22
98	Engineered/strain-hardening cementitious composites (ECC/SHCC) with an ultra-high compressive strength over 210 MPa. <i>Composites Communications</i> , 2021 , 26, 100775	6.7	22
97	Analysis of Synthetic Fiber Pull-Out From a Cement Matrix. <i>Materials Research Society Symposia Proceedings</i> , 1987 , 114, 159		21
96	Autogenous healing of Engineered Cementitious Composites (ECC) based on MgO-fly ash binary system activated by carbonation curing. <i>Construction and Building Materials</i> , 2020 , 238, 117672	6.7	21
95	Development of basalt fiber engineered cementitious composites and its mechanical properties. <i>Construction and Building Materials</i> , 2021 , 266, 121173	6.7	21

94	Influence of fiber bridging on structural size-effect. <i>International Journal of Solids and Structures</i> , 1998 , 35, 4223-4238	3.1	20
93	3D-printable engineered cementitious composites (3DP-ECC): Fresh and hardened properties. <i>Cement and Concrete Research</i> , 2021 , 143, 106388	10.3	20
92	Carbon dioxide utilization in concrete curing or mixing might not produce a net climate benefit. <i>Nature Communications</i> , 2021 , 12, 855	17.4	20
91	Micromechanics-based durability study of cellulose cement in flexure. <i>Cement and Concrete Research</i> , 1999 , 29, 201-208	10.3	19
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