Victor Li

List of Publications by Year in Descending Order

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	Microcrack characterization of loaded Engineered Cementitious Composites via optical scans and photogrammetric analyses. *Construction and Building Materials*, **2022**, 318, 126000	6.7	0
254	High-strength high-ductility Engineered/Strain-Hardening Cementitious Composites (ECC/SHCC) incorporating geopolymer fine aggregates. *Cement and Concrete Composites*, **2022**, 125, 104296	8.6	18
253	The greening of engineered cementitious composites (ECC): A review. *Construction and Building Materials*, **2022**, 327, 126701	6.7	1
252	Durability and self-healing of engineered cementitious composites exposed to simulated sewage environments. *Cement and Concrete Composites*, **2022**, 129, 104500	8.6	1
251	Centrifugally sprayed Engineered Cementitious Composites: Rheology, mechanics, and structural retrofit for concrete pipes. *Cement and Concrete Composites*, **2022**, 129, 104473	8.6	0
250	Ultra-high-strength engineered/strain-hardening cementitious composites (ECC/SHCC): Material design and effect of fiber hybridization. *Cement and Concrete Composites*, **2022**, 129, 104464	8.6	7
249	Lego-inspired reconfigurable modular blocks for automated construction of engineering structures. *Automation in Construction*, **2022**, 139, 104323	9.6	1
248	Influence of printing parameters on 3D printing engineered cementitious composites (3DP-ECC). *Cement and Concrete Composites*, **2022**, 130, 104562	8.6	1
247	Carbonation curing for precast Engineered Cementitious Composites. *Construction and Building Materials*, **2021**, 313, 125502	6.7	0
246	Development of self-stressing Engineered Cementitious Composites (ECC). *Cement and Concrete Composites*, **2021**, 118, 103936	8.6	9
245	Effect of curing relative humidity on mechanical properties of engineered cementitious composites at multiple scales. *Construction and Building Materials*, **2021**, 284, 122834	6.7	12
244	3D-printable engineered cementitious composites (3DP-ECC): Fresh and hardened properties. *Cement and Concrete Research*, **2021**, 143, 106388	10.3	20
243	Review and outlook on durability of engineered cementitious composite (ECC). *Construction and Building Materials*, **2021**, 287, 122719	6.7	6
242	Predicting Mechanical Properties of High-Performance Fiber-Reinforced Cementitious Composites by Integrating Micromechanics and Machine Learning. *Materials*, **2021**, 14,	3.5	9
241	Integrated digital twin and blockchain framework to support accountable information sharing in construction projects. *Automation in Construction*, **2021**, 127, 103688	9.6	58
240	Development of basalt fiber engineered cementitious composites and its mechanical properties. *Construction and Building Materials*, **2021**, 266, 121173	6.7	21
239	Seawater sea-sand engineered/strain-hardening cementitious composites (ECC/SHCC): Assessment and modeling of crack characteristics. *Cement and Concrete Research*, **2021**, 140, 106292	10.3	42

238	Sprayable engineered cementitious composites (ECC) using calcined clay limestone cement (LC3) and PP fiber. *Cement and Concrete Composites*, **2021**, 115, 103868	8.6	14
237	Mechanical performance of MgO-doped Engineered Cementitious Composites (ECC). *Cement and Concrete Composites*, **2021**, 115, 103857	8.6	11
236	Carbon dioxide utilization in concrete curing or mixing might not produce a net climate benefit. *Nature Communications*, **2021**, 12, 855	17.4	20
235	Engineered/strain-hardening cementitious composites (ECC/SHCC) with an ultra-high compressive strength over 210´MPa. *Composites Communications*, **2021**, 26, 100775	6.7	22
234	Ultra-ductile behavior of fly ash-based engineered geopolymer composites with a tensile strain capacity up to 13.7%. *Cement and Concrete Composites*, **2021**, 122, 104133	8.6	10
233	Trenchless rehabilitation for concrete pipelines of water infrastructure: A review from the structural perspective. *Cement and Concrete Composites*, **2021**, 123, 104193	8.6	4
232	Self-healing of PE-fiber reinforced lightweight high-strength engineered cementitious composite. *Cement and Concrete Composites*, **2021**, 123, 104209	8.6	4
231	Intrinsic self-stressing and low carbon Engineered Cementitious Composites (ECC) for improved sustainability. *Cement and Concrete Research*, **2021**, 149, 106580	10.3	6
230	Mechanical behavior of carbonated MgO-based Engineered Cementitious Composite (ECC) after high temperatures exposure. *Cement and Concrete Composites*, **2021**, 124, 104255	8.6	3
229	Mechanical and self-healing behavior of low carbon engineered cementitious composites reinforced with PP-fibers. *Construction and Building Materials*, **2020**, 259, 119805	6.7	29
228	Feasibility study of lego-inspired construction with bendable concrete. *Automation in Construction*, **2020**, 113, 103161	9.6	12
227	Hydraulic conductivity and self-healing performance of Engineered Cementitious Composites exposed to Acid Mine Drainage. *Science of the Total Environment*, **2020**, 716, 137095	10.2	28
226	Durability of engineered cementitious composite exposed to acid mine drainage. *Cement and Concrete Composites*, **2020**, 108, 103550	8.6	14
225	On the emergence of 3D printable Engineered, Strain Hardening Cementitious Composites (ECC/SHCC). *Cement and Concrete Research*, **2020**, 132, 106038	10.3	70
224	Micromechanics-guided development of a slag/fly ash-based strain-hardening geopolymer composite. *Cement and Concrete Composites*, **2020**, 109, 103510	8.6	26
223	Novel ductile wellbore cementitious composite for geologic CO2 storage. *International Journal of Greenhouse Gas Control*, **2020**, 94, 102896	4.2	
222	Autogenous healing of Engineered Cementitious Composites (ECC) based on MgO-fly ash binary system activated by carbonation curing. *Construction and Building Materials*, **2020**, 238, 117672	6.7	21
221	Discontinuous micro-fibers as intrinsic reinforcement for ductile Engineered Cementitious Composites (ECC). *Composites Part B: Engineering*, **2020**, 184, 107741	10	69

220	Effect of TiO2 and fly ash on photocatalytic NOx abatement of engineered cementitious composites. *Construction and Building Materials*, **2020**, 236, 117559	6.7	19
219	Engineered Cementitious Composites (ECC) with limestone calcined clay cement (LC3). *Cement and Concrete Composites*, **2020**, 114, 103766	8.6	28
218	Impact fatigue behaviour of GFRP mesh reinforced engineered cementitious composites for runway pavement. *Construction and Building Materials*, **2020**, 230, 116898	6.7	16
217	Ettringite-Related Dimensional Stability of CO2-Cured Portland Cement Mortars. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 16310-16319	8.3	10
216	Experimental Study on the Impact Fatigue Behavior of GFRP Mesh Reinforced ECC for Runway Pavement Application. *MATEC Web of Conferences*, **2019**, 275, 01010	0.3	
215	Tailoring engineered cementitious composite with emulsified asphalt for high damping. *Construction and Building Materials*, **2019**, 201, 631-640	6.7	8
214	Multiple-scale investigations on self-healing induced mechanical property recovery of ECC. *Cement and Concrete Composites*, **2019**, 103, 293-302	8.6	40
213	Engineered Cementitious Composites (ECC) **2019**,		51
212	Introduction to Engineered Cementitious Composites (ECC) **2019**, 1-10		4
211	Multi-functional Engineered Cementitious Composites (ECC) **2019**, 371-411		
210	Micromechanics and Engineered Cementitious Composites (ECC) Design Basis **2019**, 11-71		
209	Processing of Engineered Cementitious Composites (ECC) **2019**, 73-99		
208	Mechanical Properties of Engineered Cementitious Composites (ECC) **2019**, 101-137		0
207	Constitutive Modeling of Engineered Cementitious Composites (ECC) **2019**, 139-175		0
206	Resilience of Engineered Cementitious Composites (ECC) Structural Members **2019**, 177-223		
205	Durability of Engineered Cementitious Composites (ECC) and Reinforced ECC (R/ECC) Structural Members **2019**, 225-260		2
204	Sustainability of Engineered Cementitious Composites (ECC) Infrastructure **2019**, 261-312		2
203	Applications of Engineered Cementitious Composites (ECC) **2019**, 313-369		2

202	High-Performance and Multifunctional Cement-Based Composite Material. *Engineering*, **2019**, 5, 250-260	9.7	22
201	Physical and chemical alterations in engineered cementitious composite under geologic CO2 storage conditions. *International Journal of Greenhouse Gas Control*, **2019**, 83, 282-292	4.2	8
200	Effect of morphological parameters of natural sand on mechanical properties of engineered cementitious composites. *Cement and Concrete Composites*, **2019**, 100, 108-119	8.6	37
199	Determination of CO2 capture during accelerated carbonation of engineered cementitious composite pastes by thermogravimetry. *Journal of Thermal Analysis and Calorimetry*, **2019**, 138, 97-109	4.1	9
198	Multiscale investigation of tensile properties of a TiO2-doped Engineered Cementitious Composite. *Construction and Building Materials*, **2019**, 209, 485-491	6.7	17
197	Influence of TiO2 incorporation methods on NOx abatement in Engineered Cementitious Composites. *Construction and Building Materials*, **2019**, 221, 375-383	6.7	18
196	Three-Dimensional Printing Multifunctional Engineered Cementitious Composites (ECC) for Structural Elements. *RILEM Bookseries*, **2019**, 115-128	0.5	8
195	Development of lightweight engineered cementitious composite for durability enhancement of tall concrete wind towers. *Cement and Concrete Composites*, **2019**, 96, 87-94	8.6	30
194	Scale-linking model of self-healing and stiffness recovery in Engineered Cementitious Composites (ECC). *Cement and Concrete Composites*, **2019**, 95, 1-9	8.6	18
193	Flaw characterization and correlation with cracking strength in Engineered Cementitious Composites (ECC). *Cement and Concrete Research*, **2018**, 107, 64-74	10.3	52
192	Nacre-inspired composite design approaches for large-scale cementitious members and structures. *Cement and Concrete Composites*, **2018**, 88, 172-186	8.6	9
191	An integrated design method of Engineered Geopolymer Composite. *Cement and Concrete Composites*, **2018**, 88, 73-85	8.6	67
190	Characterization of the abrasion resistance and the acoustic wave attenuation of the engineered cementitious composites for runway pavement. *Construction and Building Materials*, **2018**, 174, 537-546	6.7	10
189	Derivation of crack bridging stresses in engineered cementitious composites under combined opening and shear displacements. *Cement and Concrete Research*, **2018**, 107, 253-263	10.3	15
188	A self-reinforced cementitious composite for building-scale 3D printing. *Cement and Concrete Composites*, **2018**, 90, 1-13	8.6	126
187	Micromechanics of an Ultra Lightweight Engineered Cementitious Composite Containing Polymeric Latex Admixture. *RILEM Bookseries*, **2018**, 70-78	0.5	
186	Optimal Pre-hydration Age for CO2 Sequestration through Portland Cement Carbonation. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 15976-15981	8.3	27
185	Development of reactive MgO-based Engineered Cementitious Composite (ECC) through accelerated carbonation curing. *Construction and Building Materials*, **2018**, 191, 23-31	6.7	41

184	Influence of microcrack self-healing behavior on the permeability of Engineered Cementitious Composites. *Cement and Concrete Composites*, **2017**, 82, 14-22	8.6	40
183	Impact resistance of high strength-high ductility concrete. *Cement and Concrete Research*, **2017**, 98, 24-35	10.3	45
182	CaCO3 whisker modified Engineered Cementitious Composite with local ingredients. *Construction and Building Materials*, **2017**, 151, 1-8	6.7	49
181	Introducing a curaua fiber reinforced cement-based composite with strain-hardening behavior. *Industrial Crops and Products*, **2017**, 103, 1-12	5.9	60
180	Numerical model on the stress field and multiple cracking behavior of Engineered Cementitious Composites (ECC). *Construction and Building Materials*, **2017**, 133, 118-127	6.7	34
179	Durability study on engineered cementitious composites (ECC) under sulfate and chloride environment. *Construction and Building Materials*, **2017**, 133, 171-181	6.7	83
178	Ductile Concrete Material with Self-Healing Capacity for Jointless Concrete Pavement Use. *Transportation Research Record*, **2017**, 2640, 78-83	1.7	24
177	Self-healing of microcracks in Engineered Cementitious Composites under sulfate and chloride environment. *Construction and Building Materials*, **2017**, 153, 948-956	6.7	52
176	Thermal-mechanical behaviors of CFRP-ECC hybrid under elevated temperatures. *Composites Part B: Engineering*, **2017**, 110, 255-266	10	47
175	Ductile cement-based spray-applied fire-resistive materials. *Journal of Structural Fire Engineering*, **2016**, 7, 114-125	0.9	1
174	Influence of micro-cracking on the permeability of engineered cementitious composites. *Cement and Concrete Composites*, **2016**, 72, 104-113	8.6	69
173	Ultra-high-ductile behavior of a polyethylene fiber-reinforced alkali-activated slag-based composite. *Cement and Concrete Composites*, **2016**, 70, 153-158	8.6	102
172	Development of durable spray-applied fire-resistive Engineered Cementitious Composites (SFR-ECC). *Cement and Concrete Composites*, **2015**, 60, 10-16	8.6	45
171	Mechanical performance of ECC with high-volume fly ash after sub-elevated temperatures. *Construction and Building Materials*, **2015**, 99, 82-89	6.7	106
170	Tensile Rate Effects in High Strength-High Ductility Concrete. *Cement and Concrete Research*, **2015**, 68, 94-104	10.3	63
169	Low E Modulus Early Strength Engineered Cementitious Composites Material: Development for Ultrathin Whitetopping Overlay. *Transportation Research Record*, **2015**, 2481, 41-47	1.7	25
168	Tailoring Engineered Cementitious Composites with local ingredients. *Construction and Building Materials*, **2015**, 101, 584-595	6.7	82
167	Early Age Cracking in a SHCC Bridge Deck Link Slab **2015**,		3

166	Strain-rate effects on the tensile behavior of strain-hardening cementitious composites. *Construction and Building Materials*, **2014**, 52, 96-104	6.7	50
165	Development of thermally adaptive Engineered Cementitious Composite for passive heat storage. *Construction and Building Materials*, **2014**, 67, 366-372	6.7	24
164	Influence of micro-cracking on the composite resistivity of Engineered Cementitious Composites. *Cement and Concrete Research*, **2014**, 58, 1-12	10.3	108
163	Influence of matrix flowability, fiber mixing procedure, and curing conditions on the mechanical performance of HTPP-ECC. *Composites Part B: Engineering*, **2014**, 60, 359-370	10	80
162	The role of flaw size and fiber distribution on tensile ductility of PVA-ECC. *Composites Part B: Engineering*, **2014**, 56, 536-545	10	93
161	Adhesive bonding of fire-resistive engineered cementitious composites (ECC) to steel. *Construction and Building Materials*, **2014**, 64, 431-439	6.7	26
160	Ductile Fire-Resistive Material for Enhanced Fire Safety Under Multi-Hazards - A Feasibility Study **2014**,		1
159	Micromechanics-Based Optimization of Pigmentable Strain-Hardening Cementitious Composites. *Journal of Materials in Civil Engineering*, **2014**, 26, 04014017	3	5
158	A feasibility study of strain hardening fiber reinforced fly ash-based geopolymer composites. *Construction and Building Materials*, **2014**, 57, 163-168	6.7	125
157	Feasibility Study on Fire-Resistive Engineered Cementitious Composites. *ACI Materials Journal*, **2014**, 111,	0.9	3
156	Rheology, fiber dispersion, and robust properties of Engineered Cementitious Composites. *Materials and Structures/Materiaux Et Constructions*, **2013**, 46, 405-420	3.4	148
155	Life cycle analysis of pavement overlays made with Engineered Cementitious Composites. *Cement and Concrete Composites*, **2013**, 35, 78-88	8.6	40
154	Mechanical and thermal properties of green lightweight engineered cementitious composites. *Construction and Building Materials*, **2013**, 48, 954-960	6.7	113
153	On the use of recycled tire rubber to develop low E-modulus ECC for durable concrete repairs. *Construction and Building Materials*, **2013**, 46, 134-141	6.7	66
152	Development of green engineered cementitious composites using iron ore tailings as aggregates. *Construction and Building Materials*, **2013**, 44, 757-764	6.7	93
151	Effect of Sustained Flexural Loading on Self-Healing of Engineered Cementitious Composites. *Journal of Advanced Concrete Technology*, **2013**, 11, 167-179	2.3	35
150	Self-Healing of Microcracks in Engineered Cementitious Composites (ECC) Under a Natural Environment. *Materials*, **2013**, 6, 2831-2845	3.5	84
149	Feasibility Study of Developing Green ECC Using Iron Ore Tailings Powder as Cement Replacement. *Journal of Materials in Civil Engineering*, **2013**, 25, 923-931	3	59

148	Rupture Processes in the Presence of Creep Zones. *Geophysical Monograph Series*, **2013**, 71-80	1.1	1
147	Tailoring ECC for Special Attributes: A Review. *International Journal of Concrete Structures and Materials*, **2012**, 6, 135-144	2.8	168
146	Strain hardening fiber reinforced alkali-activated mortar □A feasibility study. *Construction and Building Materials*, **2012**, 37, 15-20	6.7	75
145	Robust Self-Healing Concrete for Sustainable Infrastructure. *Journal of Advanced Concrete Technology*, **2012**, 10, 207-218	2.3	177
144	Development of pigmentable engineered cementitious composites for architectural elements through integrated structures and materials design. *Materials and Structures/Materiaux Et Constructions*, **2012**, 45, 425-432	3.4	8
143	Frost resistance and microstructure of Engineered Cementitious Composites: Influence of fly ash and micro poly-vinyl-alcohol fiber. *Cement and Concrete Composites*, **2012**, 34, 156-165	8.6	68
142	Improved fiber distribution and mechanical properties of engineered cementitious composites by adjusting the mixing sequence. *Cement and Concrete Composites*, **2012**, 34, 342-348	8.6	97
141	Tailoring engineered cementitious composites for impact resistance. *Cement and Concrete Research* , **2012**, 42, 1066-1071	10.3	92
140	Can Concrete Be Bendable?. *American Scientist*, **2012**, 100, 484	2.7	15
139	Headed Anchor/Engineered Cementitious Composites (ECC) Pullout Behavior. *Journal of Advanced Concrete Technology*, **2011**, 9, 339-351	2.3	7
138	Mechanical and electrical characterization of self-sensing carbon black ECC **2011**,		24
137	Nanoscale characterization of engineered cementitious composites (ECC). *Cement and Concrete Research*, **2011**, 41, 169-175	10.3	90
136	Autogenous healing of engineered cementitious composites at early age. *Cement and Concrete Research*, **2011**, 41, 176-183	10.3	144
135	Effect of Fly Ash and PVA Fiber on Microstructural Damage and Residual Properties of Engineered Cementitious Composites Exposed to High Temperatures. *Journal of Materials in Civil Engineering*, **2011**, 23, 1735-1745	3	119
134	Dynamic Life-Cycle Modeling of Pavement Overlay Systems: Capturing the Impacts of Users, Construction, and Roadway Deterioration. *Journal of Infrastructure Systems*, **2010**, 16, 299-309	2.9	89
133	Engineered Cementitious Composites: Can Composites Be Accepted as Crack-Free Concrete?. *Transportation Research Record*, **2010**, 2164, 1-8	1.7	55
132	Development of engineered cementitious composites with limestone powder and blast furnace slag. *Materials and Structures/Materiaux Et Constructions*, **2010**, 43, 803-814	3.4	132
131	Strain-hardening fiber cement optimization and component tailoring by means of a micromechanical model. *Construction and Building Materials*, **2010**, 24, 130-139	6.7	94

130	Engineered Cementitious Composites: An Innovative Concrete for Durable Structure **2009**,		2
129	Water permeability of engineered cementitious composites. *Cement and Concrete Composites*, **2009**, 31, 744-753	8.6	186
128	Autogenous healing of engineered cementitious composites under wet□dry cycles. *Cement and Concrete Research*, **2009**, 39, 382-390	10.3	385
127	Internal curing of engineered cementitious composites for prevention of early age autogenous shrinkage cracking. *Cement and Concrete Research*, **2009**, 39, 893-901	10.3	117
126	Durability properties of micro-cracked ECC containing high volumes fly ash. *Cement and Concrete Research*, **2009**, 39, 1033-1043	10.3	210
125	Influence of microcracking on water absorption and sorptivity of ECC. *Materials and Structures/Materiaux Et Constructions*, **2009**, 42, 593-603	3.4	84
124	Application of ECC for bridge deck link slabs. *Materials and Structures/Materiaux Et Constructions*, **2009**, 42, 1185-1195	3.4	156
123	Research on production, performance and fibre dispersion of PVA engineering cementitious composites. *Materials Science and Technology*, **2009**, 25, 651-656	1.5	25
122	Damage Tolerant ECC for Integrity of Structures under Extreme Loads **2009**,		1
121	Assessing the Durability of Engineered Cementitious Composites Under Freezing and Thawing Cycles. *Journal of ASTM International*, **2009**, 6, 102406		5
120	Engineered Cementitious Composite (ECC) **2008**,		70
119	Simplified Inverse Method for Determining the Tensile Properties of Strain Hardening Cementitious Composites (SHCC). *Journal of Advanced Concrete Technology*, **2008**, 6, 353-363	2.3	37
118	Fiber-Bridging Constitutive Law of Engineered Cementitious Composites. *Journal of Advanced Concrete Technology*, **2008**, 6, 181-193	2.3	250
117	Durability of mechanically loaded engineered cementitious composites under highly alkaline environments. *Cement and Concrete Composites*, **2008**, 30, 72-81	8.6	123
116	Integrated structures and materials design. *Materials and Structures/Materiaux Et Constructions*, **2007**, 40, 387-396	3.4	43
115	Numerical study on steady-state cracking of composites. *Composites Science and Technology*, **2007**, 67, 151-156	8.6	22
114	De-icing salt scaling resistance of mechanically loaded engineered cementitious composites. *Cement and Concrete Research*, **2007**, 37, 1035-1046	10.3	89
113	Effect of fiber reinforcement on the response of structural members. *Engineering Fracture Mechanics*, **2007**, 74, 258-272	4.2	89

112	Self Healing in Concrete Materials. *Springer Series in Materials Science*, **2007**, 161-193	0.9	53
111	Simplified Inverse Method for Determining the Tensile Strain Capacity of Strain Hardening Cementitious Composites. *Journal of Advanced Concrete Technology*, **2007**, 5, 235-246	2.3	71
110	Microstructure variability and macroscopic composite properties of high performance fiber reinforced cementitious composites. *Probabilistic Engineering Mechanics*, **2006**, 21, 201-206	2.6	53
109	Flexural Response of Reinforced Beam with High Ductility Concrete Material **2006**, 263-274		2
108	Practical Design Criteria for Saturated Pseudo Strain Hardening Behavior in ECC. *Journal of Advanced Concrete Technology*, **2006**, 4, 59-72	2.3	171
107	Effects of a strong polyelectrolyte on the rheological properties of concentrated cementitious suspensions. *Cement and Concrete Research*, **2006**, 36, 851-857	10.3	27
106	Electrosteric stabilization of concentrated cement suspensions imparted by a strong anionic polyelectrolyte and a non-ionic polymer. *Cement and Concrete Research*, **2006**, 36, 842-850	10.3	25
105	Effect of Plasma Treatment of Polyethylene Fibers on Interface and ementitious Composite Properties. *Journal of the American Ceramic Society*, **2005**, 79, 700-704	3.8	71
104	Guiding the design and application of new materials for enhancing sustainability performance: Framework and infrastructure application. *Materials Research Society Symposia Proceedings*, **2005**, 895, 1		5
103	Life Cycle Modeling of Concrete Bridge Design: Comparison of Engineered Cementitious Composite Link Slabs and Conventional Steel Expansion Joints. *Journal of Infrastructure Systems*, **2005**, 11, 51-60	2.9	125
102	Simulation of crack propagation in fiber-reinforced concrete by fracture mechanics. *Cement and Concrete Research*, **2004**, 34, 333-339	10.3	46
101	DRYING SHRINKAGE AND CRACK WIDTH OF ENGINEERED CEMENTITIOUS COMPOSITES (ECC) **2003**, 37-46		10
100	On Engineered Cementitious Composites (ECC). *Journal of Advanced Concrete Technology*, **2003**, 1, 215-230	2.3	866
99	A design approach for the mechanical properties of polypropylene discontinuous fiber reinforced cementitious composites by extrusion molding. *Engineering Fracture Mechanics*, **2003**, 70, 853-870	4.2	44
98	Development of a self-consolidating engineered cementitious composite employing electrosteric dispersion/stabilization. *Cement and Concrete Composites*, **2003**, 25, 301-309	8.6	85
97	Constitutive rheological control to develop a self-consolidating engineered cementitious composite reinforced with hydrophilic poly(vinyl alcohol) fibers. *Cement and Concrete Composites*, **2003**, 25, 333-341	8.6	56
96	DESIGN OF ENGINEERED CEMENTITIOUS COMPOSITES (ECC) FOR PROCESSING AND WORKABILITY REQUIREMENTS **2003**, 29-36		24
95	PRACTICAL DESIGN GUIDELINES FOR PSEUDO STARIN HARDENING CEMENTITIOUS COMPOSITES REINFORCED WITH SHORT RANDOM FIBERS : Part 2 Practical design Criteria to achieve saturated multiple cracking. *Journal of Structural and Construction Engineering*, **2002**, 67, 13-21	0.4	3

94	Large volume, high-performance applications of fibers in civil engineering. *Journal of Applied Polymer Science*, **2002**, 83, 660-686	2.9	99
93	Effect of inclination angle on fiber rupture load in fiber reinforced cementitious composites. *Composites Science and Technology*, **2002**, 62, 775-781	8.6	28
92	Monotonic and fatigue performance in bending of fiber-reinforced engineered cementitious composite in overlay system. *Cement and Concrete Research*, **2002**, 32, 415-423	10.3	105
91	Introducing Ductile Strip for Durability Enhancement of Concrete Slabs. *Journal of Materials in Civil Engineering*, **2002**, 14, 253-261	3	29
90	Fracture Toughness of Microfiber Reinforced Cement Composites. *Journal of Materials in Civil Engineering*, **2002**, 14, 384-391	3	49
89	Crack bridging model for fibre reinforced concrete under fatigue tension. *International Journal of Fatigue*, **2001**, 23, 655-670	5	36
88	Influences of Fibers on Drying Shrinkage of Fiber-Reinforced Cementitious Composite. *Journal of Engineering Mechanics - ASCE*, **2001**, 127, 37-44	2.4	49
87	Size Effect on Fatigue in Bending of Concrete. *Journal of Materials in Civil Engineering*, **2001**, 13, 446-453	3	25
86	Influence of Supporting Base Characteristics on Shrinkage-Induced Stresses in Concrete Pavements. *Journal of Transportation Engineering*, **2001**, 127, 455-462		33
85	Measuring and Modifying Interface Properties of PVA Fibers in ECC Matrix. *Journal of Materials in Civil Engineering*, **2001**, 13, 399-406	3	249
84	J-integral Applications to Characterization and Tailoring of Cementitious Materials **2000**, 385-406		
83	The effects of surface preparation on the fracture behavior of ECC/concrete repair system. *Cement and Concrete Composites*, **2000**, 22, 423-431	8.6	75
82	Experimental Study on Crack Bridging in FRC under Uniaxial Fatigue Tension. *Journal of Materials in Civil Engineering*, **2000**, 12, 66-73	3	54
81	Tensile Stress-Strain Modeling of Pseudostrain Hardening Cementitious Composites. *Journal of Materials in Civil Engineering*, **2000**, 12, 147-156	3	70
80	Concrete Reinforcement with Recycled Fibers. *Journal of Materials in Civil Engineering*, **2000**, 12, 314-319	3	121
79	Influence of Reinforcing Bars on Shrinkage Stresses in Concrete Slabs. *Journal of Engineering Mechanics - ASCE*, **2000**, 126, 1297-1300	2.4	13
78	Effect of Fiber Strength and Fiber-Matrix Interface on Crack Bridging in Cement Composites. *Journal of Engineering Mechanics - ASCE*, **1999**, 125, 290-299	2.4	61
77	New Micromechanics Design Theory for Pseudostrain Hardening Cementitious Composite. *Journal of Engineering Mechanics - ASCE*, **1999**, 125, 373-381	2.4	145

76	Fatigue life prediction of fiber reinforced concrete under flexural load. *International Journal of Fatigue*, **1999**, 21, 1033-1049	5	66
75	Fiber/cement interface tailoring with plasma treatment. *Cement and Concrete Composites*, **1999**, 21, 205-212	8.6	64
74	Fatigue life analysis of fiber reinforced concrete with a fracture mechanics based model. *Cement and Concrete Composites*, **1999**, 21, 249-261	8.6	42
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