

Zdenek P Bazant

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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.

279
papers

17,555
citations

67
h-index

125
g-index

298
ext. papers

19,328
ext. citations

3.3
avg, IF

7.12
L-index

#	Paper	IF	Citations
279	Nonlocal Damage Theory. <i>Journal of Engineering Mechanics - ASCE</i> , 1987 , 113, 1512-1533	2.4	1324
278	Size Effect in Blunt Fracture: Concrete, Rock, Metal. <i>Journal of Engineering Mechanics - ASCE</i> , 1984 , 110, 518-535	2.4	1033
277	Crack band theory for fracture of concrete. <i>Materiaux Et Constructions</i> , 1983 , 16, 155-177		997
276	Nonlocal Integral Formulations of Plasticity and Damage: Survey of Progress. <i>Journal of Engineering Mechanics - ASCE</i> , 2002 , 128, 1119-1149	2.4	843
275	Continuum Theory for Strain-Softening. <i>Journal of Engineering Mechanics - ASCE</i> , 1984 , 110, 1666-1692	2.4	450
274	Random Particle Model for Fracture of Aggregate or Fiber Composites. <i>Journal of Engineering Mechanics - ASCE</i> , 1990 , 116, 1686-1705	2.4	374
273	Concrete fracture models: testing and practice. <i>Engineering Fracture Mechanics</i> , 2002 , 69, 165-205	4.2	350
272	Microprestress-Solidification Theory for Concrete Creep. I: Aging and Drying Effects. <i>Journal of Engineering Mechanics - ASCE</i> , 1997 , 123, 1188-1194	2.4	297
271	Instability, Ductility, and Size Effect in Strain-Softening Concrete. <i>Journal of the Engineering Mechanics Division</i> , 1976 , 102, 331-344		265
270	Solidification Theory for Concrete Creep. I: Formulation. <i>Journal of Engineering Mechanics - ASCE</i> , 1989 , 115, 1691-1703	2.4	263
269	Statistical prediction of fracture parameters of concrete and implications for choice of testing standard. <i>Cement and Concrete Research</i> , 2002 , 32, 529-556	10.3	261
268	Microplane Model for Progressive Fracture of Concrete and Rock. <i>Journal of Engineering Mechanics - ASCE</i> , 1985 , 111, 559-582	2.4	245
267	Microplane Model for Brittle-Plastic Material: I. Theory. <i>Journal of Engineering Mechanics - ASCE</i> , 1988 , 114, 1672-1688	2.4	218
266	Confinement-Shear Lattice Model for Concrete Damage in Tension and Compression: I. Theory. <i>Journal of Engineering Mechanics - ASCE</i> , 2003 , 129, 1439-1448	2.4	209
265	Microplane Model M4 for Concrete. I: Formulation with Work-Conjugate Deviatoric Stress. <i>Journal of Engineering Mechanics - ASCE</i> , 2000 , 126, 944-953	2.4	203
264	Moisture diffusion in cementitious materials Adsorption isotherms. <i>Advanced Cement Based Materials</i> , 1994 , 1, 248-257		202
263	Prediction of concrete creep and shrinkage: past, present and future. <i>Nuclear Engineering and Design</i> , 2001 , 203, 27-38	1.8	177

262	Stability of Structures 2010 ,		171
261	Activation energy based extreme value statistics and size effect in brittle and quasibrittle fracture. <i>Journal of the Mechanics and Physics of Solids</i> , 2007 , 55, 91-131	5	168
260	Non-local yield limit degradation. <i>International Journal for Numerical Methods in Engineering</i> , 1988 , 26, 1805-1823	2.4	168
259	Scaling theory for quasibrittle structural failure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 13400-7	11.5	164
258	Wave Propagation in a Strain-Softening Bar:Exact Solution. <i>Journal of Engineering Mechanics - ASCE</i> , 1985 , 111, 381-389	2.4	163
257	Crack Shear in Concrete: Crack Band Microplane Model. <i>Journal of Structural Engineering</i> , 1984 , 110, 2015-2035	156	
256	Drying creep of concrete: constitutive model and new experiments separating its mechanisms. <i>Materiaux Et Constructions</i> , 1994 , 27, 3-14		150
255	Blunt Crack Band Propagation in Finite Element Analysis. <i>Journal of the Engineering Mechanics Division</i> , 1979 , 105, 297-315		144
254	Excessive Long-Time Deflections of Prestressed Box Girders. I: Record-Span Bridge in Palau and Other Paradigms. <i>Journal of Structural Engineering</i> , 2012 , 138, 676-686	3	139
253	Size Effect in Compression Fracture: Splitting Crack Band Propagation. <i>Journal of Engineering Mechanics - ASCE</i> , 1997 , 123, 162-172	2.4	138
252	Temperature Effect on Concrete Creep Modeled by Microprestress-Solidification Theory. <i>Journal of Engineering Mechanics - ASCE</i> , 2004 , 130, 691-699	2.4	135
251	Nonlocal Damage Theory Based on Micromechanics of Crack Interactions. <i>Journal of Engineering Mechanics - ASCE</i> , 1994 , 120, 593-617	2.4	135
250	Damage and plasticity in microplane theory. <i>International Journal of Solids and Structures</i> , 1997 , 34, 3807-3835	133	
249	Nonlinear Fracture Properties from Size Effect Tests. <i>Journal of Structural Engineering</i> , 1986 , 112, 289-307	133	
248	Size Effect in Fracture of Ceramics and Its Use To Determine Fracture Energy and Effective Process Zone Length. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 1841-1853	3.8	129
247	Justification and refinements of model B3 for concrete creep and shrinkage 1. statistics and sensitivity. <i>Materiaux Et Constructions</i> , 1995 , 28, 415-430		120
246	Why Fracking Works. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2014 , 81,	2.7	116
245	Microplane Model for Concrete. I: Stress-Strain Boundaries and Finite Strain. <i>Journal of Engineering Mechanics - ASCE</i> , 1996 , 122, 245-254	2.4	115

244	Solidification Theory for Concrete Creep. II: Verification and Application. <i>Journal of Engineering Mechanics - ASCE</i> , 1989 , 115, 1704-1725	2.4	111
243	Unified nano-mechanics based probabilistic theory of quasibrittle and brittle structures: I. Strength, static crack growth, lifetime and scaling. <i>Journal of the Mechanics and Physics of Solids</i> , 2011 , 59, 1291-1321	2.5	110
242	Cohesive Crack with Rate-Dependent Opening and Viscoelasticity: I. Mathematical Model and Scaling. <i>International Journal of Fracture</i> , 1997 , 86, 247-265	2.3	110
241	Is the cause of size effect on structural strength fractal or energetic-statistical?. <i>Engineering Fracture Mechanics</i> , 2005 , 72, 1-31	4.2	104
240	Fracture Mechanics of ASR in Concretes with Waste Glass Particles of Different Sizes. <i>Journal of Engineering Mechanics - ASCE</i> , 2000 , 126, 226-232	2.4	102
239	Mechanics of Progressive Collapse: Learning from World Trade Center and Building Demolitions. <i>Journal of Engineering Mechanics - ASCE</i> , 2007 , 133, 308-319	2.4	101
238	Endochronic inelasticity and incremental plasticity. <i>International Journal of Solids and Structures</i> , 1978 , 14, 691-714	3.1	101
237	Statistical Size Effect in Quasi-Brittle Structures: II. Nonlocal Theory. <i>Journal of Engineering Mechanics - ASCE</i> , 1991 , 117, 2623-2640	2.4	99
236	Microplane Model M7 for Plain Concrete. I: Formulation. <i>Journal of Engineering Mechanics - ASCE</i> , 2013 , 139, 1714-1723	2.4	95
235	Confinement-Shear Lattice Model for Concrete Damage in Tension and Compression: II. Computation and Validation. <i>Journal of Engineering Mechanics - ASCE</i> , 2003 , 129, 1449-1458	2.4	94
234	Continuous Retardation Spectrum for Solidification Theory of Concrete Creep. <i>Journal of Engineering Mechanics - ASCE</i> , 1995 , 121, 281-288	2.4	89
233	Probability distribution of energetic-statistical size effect in quasibrittle fracture. <i>Probabilistic Engineering Mechanics</i> , 2004 , 19, 307-319	2.6	88
232	Universal Size Effect Law and Effect of Crack Depth on Quasi-Brittle Structure Strength. <i>Journal of Engineering Mechanics - ASCE</i> , 2009 , 135, 78-84	2.4	87
231	Microplane Model M4 for Concrete. II: Algorithm and Calibration. <i>Journal of Engineering Mechanics - ASCE</i> , 2000 , 126, 954-961	2.4	87
230	Fracturing Rate Effect and Creep in Microplane Model for Dynamics. <i>Journal of Engineering Mechanics - ASCE</i> , 2000 , 126, 962-970	2.4	87
229	Comprehensive concrete fracture tests: Description and results. <i>Engineering Fracture Mechanics</i> , 2013 , 114, 92-103	4.2	86
228	Viscoelasticity with Aging Caused by Solidification of Nonaging Constituent. <i>Journal of Engineering Mechanics - ASCE</i> , 1993 , 119, 2252-2269	2.4	78
227	Microprestress-Solidification Theory for Concrete Creep. II: Algorithm and Verification. <i>Journal of Engineering Mechanics - ASCE</i> , 1997 , 123, 1195-1201	2.4	77

226	Mechanics-based statistics of failure risk of quasibrittle structures and size effect on safety factors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 9434-9	11.5	77
225	Designing Against Size Effect on Shear Strength of Reinforced Concrete Beams Without Stirrups: I. Formulation. <i>Journal of Structural Engineering</i> , 2005 , 131, 1877-1885	3	76
224	Scaling of strength and lifetime probability distributions of quasibrittle structures based on atomistic fracture mechanics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 11484-9	11.5	74
223	Comment on Orthotropic Models for Concrete and Geomaterials. <i>Journal of Engineering Mechanics - ASCE</i> , 1983 , 109, 849-865	2.4	73
222	Comprehensive concrete fracture tests: Size effects of Types 1 & 2, crack length effect and postpeak. <i>Engineering Fracture Mechanics</i> , 2013 , 110, 281-289	4.2	71
221	Size effect law and fracture mechanics of the triggering of dry snow slab avalanches. <i>Journal of Geophysical Research</i> , 2003 , 108,		70
220	Cohesive crack, size effect, crack band and work-of-fracture models compared to comprehensive concrete fracture tests. <i>International Journal of Fracture</i> , 2014 , 187, 133-143	2.3	69
219	Universal Size-Shape Effect Law Based on Comprehensive Concrete Fracture Tests. <i>Journal of Engineering Mechanics - ASCE</i> , 2014 , 140, 473-479	2.4	69
218	Nonlocal microplane model with strain-softening yield limits. <i>International Journal of Solids and Structures</i> , 2004 , 41, 7209-7240	3.1	69
217	Size effect on compression strength of fiber composites failing by kink band propagation. <i>International Journal of Fracture</i> , 1999 , 95, 103-141	2.3	69
216	Justification and refinements of model B3 for concrete creep and shrinkage 2. Updating and theoretical basis. <i>Materiaux Et Constructions</i> , 1995 , 28, 488-495		69
215	Modulus of Rupture: Size Effect due to Fracture Initiation in Boundary Layer. <i>Journal of Structural Engineering</i> , 1995 , 121, 739-746	3	69
214	Variable-notch one-size test method for fracture energy and process zone length. <i>Engineering Fracture Mechanics</i> , 1996 , 55, 383-404	4.2	68
213	Softening in Reinforced Concrete Beams and Frames. <i>Journal of Structural Engineering</i> , 1987 , 113, 2333-2347		68
212	Probabilistic Nonlocal Theory for Quasibrittle Fracture Initiation and Size Effect. I: Theory. <i>Journal of Engineering Mechanics - ASCE</i> , 2000 , 126, 166-174	2.4	67
211	Large-Strain Generalization of Microplane Model for Concrete and Application. <i>Journal of Engineering Mechanics - ASCE</i> , 2000 , 126, 971-980	2.4	65
210	Size dependence of concrete fracture energy determined by RILEM work-of-fracture method. <i>International Journal of Fracture</i> , 1991 , 51, 121-138	2.3	63
209	Microplane Model for Brittle-Plastic Material: II. Verification. <i>Journal of Engineering Mechanics - ASCE</i> , 1988 , 114, 1689-1702	2.4	62

208	Stochastic discrete meso-scale simulations of concrete fracture: Comparison to experimental data. <i>Engineering Fracture Mechanics</i> , 2015 , 135, 1-16	4.2	61
207	Microplane Model M7 for Plain Concrete. II: Calibration and Verification. <i>Journal of Engineering Mechanics - ASCE</i> , 2013 , 139, 1724-1735	2.4	61
206	Asymptotic Prediction of Energetic-Statistical Size Effect from Deterministic Finite-Element Solutions. <i>Journal of Engineering Mechanics - ASCE</i> , 2007 , 133, 153-162	2.4	61
205	Random Creep and Shrinkage in Structures: Ampling. <i>Journal of Structural Engineering</i> , 1985 , 111, 1113-1134	3.4	61
204	Statistical justification of Model B4 for drying and autogenous shrinkage of concrete and comparisons to other models. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015 , 48, 797-814	3.4	60
203	Analysis of Work-of-Fracture Method for Measuring Fracture Energy of Concrete. <i>Journal of Engineering Mechanics - ASCE</i> , 1996 , 122, 138-144	2.4	60
202	Theory of Creep and Shrinkage in Concrete Structures: A PrÛis of Recent Developments 1975 , 1-93		60
201	Random Lattice-Particle Simulation of Statistical Size Effect in Quasi-Brittle Structures Failing at Crack Initiation. <i>Journal of Engineering Mechanics - ASCE</i> , 2009 , 135, 85-92	2.4	57
200	Wave Dispersion and Basic Concepts of Peridynamics Compared to Classical Nonlocal Damage Models. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2016 , 83,	2.7	56
199	Cement hydration from hours to centuries controlled by diffusion through barrier shells of C-S-H. <i>Journal of the Mechanics and Physics of Solids</i> , 2017 , 99, 211-224	5	55
198	Spurious reflection of elastic waves due to gradually changing finite element size. <i>International Journal for Numerical Methods in Engineering</i> , 1983 , 19, 631-646	2.4	55
197	Unified nano-mechanics based probabilistic theory of quasibrittle and brittle structures: II. Fatigue crack growth, lifetime and scaling. <i>Journal of the Mechanics and Physics of Solids</i> , 2011 , 59, 1322-1337	5	54
196	Can Stirrups Suppress Size Effect on Shear Strength of RC Beams?. <i>Journal of Structural Engineering</i> , 2011 , 137, 607-617	3	54
195	Fracture energy release and size effect in borehole breakout. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1993 , 17, 1-14	4	54
194	Microplane Model M5 with Kinematic and Static Constraints for Concrete Fracture and Anelasticity. I: Theory. <i>Journal of Engineering Mechanics - ASCE</i> , 2005 , 131, 31-40	2.4	53
193	Microplane Model for Cyclic Triaxial Behavior of Concrete. <i>Journal of Engineering Mechanics - ASCE</i> , 1992 , 118, 1365-1386	2.4	53
192	Theory of cyclic creep of concrete based on Paris law for fatigue growth of subcritical microcracks. <i>Journal of the Mechanics and Physics of Solids</i> , 2014 , 63, 187-200	5	52
191	Choice of standard fracture test for concrete and its statistical evaluation. <i>International Journal of Fracture</i> , 2002 , 118, 303-337	2.3	52

190	Creep and Hygrothermal Effects in Concrete Structures. <i>Solid Mechanics and Its Applications</i> , 2018 ,	0.4	52
189	Equivalent localization element for crack band approach to mesh-sensitivity in microplane model. <i>International Journal for Numerical Methods in Engineering</i> , 2005 , 62, 700-726	2.4	49
188	Probabilistic Mechanics of Quasibrittle Structures: Strength, Lifetime, and Size Effect 2017 ,		48
187	Statistical justification of model B4 for multi-decade concrete creep using laboratory and bridge databases and comparisons to other models. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015 , 48, 815-833	3.4	46
186	Size-Effect Testing of Cohesive Fracture Parameters and Nonuniqueness of Work-of-Fracture Method. <i>Journal of Engineering Mechanics - ASCE</i> , 2011 , 137, 580-588	2.4	46
185	Geometric Damage Tensor Based on Microplane Model. <i>Journal of Engineering Mechanics - ASCE</i> , 1991 , 117, 2429-2448	2.4	45
184	Energetic statistical size effect simulated by SFEM with stratified sampling and crack band model. <i>International Journal for Numerical Methods in Engineering</i> , 2007 , 71, 1297-1320	2.4	44
183	Sandwich buckling formulas and applicability of standard computational algorithm for finite strain. <i>Composites Part B: Engineering</i> , 2004 , 35, 573-581	10	43
182	Compression Failure of Quasibrittle Material: Nonlocal Microplane Model. <i>Journal of Engineering Mechanics - ASCE</i> , 1992 , 118, 540-556	2.4	43
181	Experimental and numerical investigation of intra-laminar energy dissipation and size effect in two-dimensional textile composites. <i>Composites Science and Technology</i> , 2016 , 135, 67-75	8.6	43
180	Improved prediction model for time-dependent deformations of concrete: Part 1-Shrinkage. <i>Materiaux Et Constructions</i> , 1991 , 24, 327-345		42
179	Optimization method, choice of form and uncertainty quantification of Model B4 using laboratory and multi-decade bridge databases. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015 , 48, 771-794	3.4	41
178	Size effect in Paris law and fatigue lifetimes for quasibrittle materials: Modified theory, experiments and micro-modeling. <i>International Journal of Fatigue</i> , 2016 , 83, 209-220	5	41
177	Microplane model M7f for fiber reinforced concrete. <i>Engineering Fracture Mechanics</i> , 2013 , 105, 41-57	4.2	41
176	Problems with Hu-Duan Boundary Effect Model and Its Comparison to Size-Shape Effect Law for Quasi-Brittle Fracture. <i>Journal of Engineering Mechanics - ASCE</i> , 2010 , 136, 40-50	2.4	41
175	Multiscale simulation of fracture of braided composites via repetitive unit cells. <i>Engineering Fracture Mechanics</i> , 2011 , 78, 901-918	4.2	40
174	R-curve modeling of rate and size effects in quasibrittle fracture. <i>International Journal of Fracture</i> , 1993 , 62, 355-373	2.3	39
173	Comparison of the Hu-Duan Boundary Effect Model with the Size-Shape Effect Law for Quasi-Brittle Fracture Based on New Comprehensive Fracture Tests. <i>Journal of Engineering Mechanics - ASCE</i> , 2014 , 140, 480-486	2.4	38

172	Cohesive Crack Model with Rate-Dependent Opening and Viscoelasticity: II. Numerical Algorithm, Behavior and Size Effect. <i>International Journal of Fracture</i> , 1997 , 86, 267-288	2.3	38
171	Spherocylindrical microplane constitutive model for shale and other anisotropic rocks. <i>Journal of the Mechanics and Physics of Solids</i> , 2017 , 103, 155-178	5	37
170	Theory of sorption hysteresis in nanoporous solids: Part II Molecular condensation. <i>Journal of the Mechanics and Physics of Solids</i> , 2012 , 60, 1660-1675	5	37
169	Probabilistic Nonlocal Theory for Quasibrittle Fracture Initiation and Size Effect. II: Application. <i>Journal of Engineering Mechanics - ASCE</i> , 2000 , 126, 175-185	2.4	37
168	Stability and finite strain of homogenized structures soft in shear: Sandwich or fiber composites, and layered bodies. <i>International Journal of Solids and Structures</i> , 2006 , 43, 1571-1593	3.1	36
167	Short form of creep and shrinkage prediction model B3 for structures of medium sensitivity. <i>Materiaux Et Constructions</i> , 1996 , 29, 587-593		36
166	Zero-Brittleness Size-Effect Method for One-Size Fracture Test of Concrete. <i>Journal of Engineering Mechanics - ASCE</i> , 1996 , 122, 458-468	2.4	36
165	Can Multiscale-Multiphysics Methods Predict Softening Damage and Structural Failure?. <i>International Journal for Multiscale Computational Engineering</i> , 2010 , 8, 61-67	2.4	36
164	Microplane model for stiff foams and finite element analysis of sandwich failure by core indentation. <i>International Journal of Solids and Structures</i> , 2001 , 38, 8111-8132	3.1	35
163	Snapback instability at crack ligament tearing and its implication for fracture micromechanics. <i>Cement and Concrete Research</i> , 1987 , 17, 951-967	10.3	33
162	Microplane damage model for fatigue of quasibrittle materials: Sub-critical crack growth, lifetime and residual strength. <i>International Journal of Fatigue</i> , 2015 , 70, 93-105	5	32
161	Designing Against Size Effect on Shear Strength of Reinforced Concrete Beams Without Stirrups: II. Verification and Calibration. <i>Journal of Structural Engineering</i> , 2005 , 131, 1886-1897	3	32
160	Microplane constitutive model for porous isotropic rocks. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2003 , 27, 25-47	4	32
159	Comparison of main models for size effect on shear strength of reinforced and prestressed concrete beams. <i>Structural Concrete</i> , 2016 , 17, 778-789	2.6	32
158	Size effect and asymptotic matching analysis of fracture of closed-cell polymeric foam. <i>International Journal of Solids and Structures</i> , 2003 , 40, 7197-7217	3.1	31
157	Microplane triad model for simple and accurate prediction of orthotropic elastic constants of woven fabric composites. <i>Journal of Composite Materials</i> , 2016 , 50, 1247-1260	2.7	30
156	Theory of sorption hysteresis in nanoporous solids: Part I. <i>Journal of the Mechanics and Physics of Solids</i> , 2012 , 60, 1644-1659	5	30
155	Vertex Effect in Strain-Softening Concrete at Rotating Principal Axes. <i>Journal of Engineering Mechanics - ASCE</i> , 2002 , 128, 24-33	2.4	30

154	Fracturing Truss Model: Size Effect in Shear Failure of Reinforced Concrete. <i>Journal of Engineering Mechanics - ASCE</i> , 1997 , 123, 1276-1288	2.4	29
153	Size effect on strength of laminate-foam sandwich plates: Finite element analysis with interface fracture. <i>Composites Part B: Engineering</i> , 2009 , 40, 337-348	10	28
152	Microplane Model M5f for Multiaxial Behavior and Fracture of Fiber-Reinforced Concrete. <i>Journal of Engineering Mechanics - ASCE</i> , 2007 , 133, 66-75	2.4	28
151	Eigenvalue method for computing size effect of cohesive cracks with residual stress, with application to kink-bands in composites. <i>International Journal of Engineering Science</i> , 2003 , 41, 1519-1534	5.7	28
150	Cohesive Fracturing and Stresses Caused by Hydration Heat in Massive Concrete Wall. <i>Journal of Engineering Mechanics - ASCE</i> , 2003 , 129, 21-30	2.4	28
149	Work inequalities for plastic fracturing materials. <i>International Journal of Solids and Structures</i> , 1980 , 16, 873-901	3.1	28
148	Statistics of strength of ceramics: finite weakest-link model and necessity of zero threshold. <i>International Journal of Fracture</i> , 2008 , 154, 131-145	2.3	27
147	Geothermal heat extraction by water circulation through a large crack in dry hot rock mass. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1978 , 2, 317-327	4	27
146	Size Effect on Punching Strength of Reinforced Concrete Slabs without and with Shear Reinforcement. <i>ACI Structural Journal</i> , 2017 , 114,	1.7	27
145	Impact comminution of solids due to local kinetic energy of high shear strain rate: I. Continuum theory and turbulence analogy. <i>Journal of the Mechanics and Physics of Solids</i> , 2014 , 64, 223-235	5	26
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139	Relaxation of Prestressing Steel at Varying Strain and Temperature: Viscoplastic Constitutive Relation. <i>Journal of Engineering Mechanics - ASCE</i> , 2013 , 139, 814-823	2.4	25
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- 133 Non-local boundary integral formulation for softening damage. *International Journal for Numerical Methods in Engineering*, **2003**, 57, 103-116 2.4 24
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- 131 Characterization of concrete failure behavior: a comprehensive experimental database for the calibration and validation of concrete models. *Materials and Structures/Materiaux Et Constructions*, **2015**, 48, 3603-3626 3.4 23
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- 126 Work conjugacy error in commercial finite-element codes: its magnitude and how to compensate for it. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2012**, 468, 3047-3058^{2.4}²²
- 125 Improved prediction model for time-dependent deformations of concrete: Part 4Temperature effects. *Materiaux Et Constructions*, **1992**, 25, 84-94 22
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