

Zdeněk P Bažant

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7333393/publications.pdf>

Version: 2024-02-01

282
papers

22,154
citations

10388

72
h-index

10732

138
g-index

298
all docs

298
docs citations

298
times ranked

7376
citing authors

#	ARTICLE	IF	CITATIONS
1	Précis of gap test results requiring reappraisal of line crack and phase-field models of fracture mechanics. <i>Engineering Structures</i> , 2022, 250, 113285.	5.3	8
2	Critical Comparison of Phase-Field, Peridynamics, and Crack Band Model M7 in Light of Gap Test and Classical Fracture Tests. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2022, 89, .	2.2	26
3	Grigory Isaakovich Barenblatt. 10 July 1927 – 22 June 2018. <i>Biographical Memoirs of Fellows of the Royal Society</i> , 2022, 72, 33-53.	0.1	2
4	Spontaneous Collapse Mechanism of World Trade Center Twin Towers and Progressive Collapse in General. <i>Journal of Structural Engineering</i> , 2022, 148, .	3.4	3
5	Extrapolation of Test Data in Time, Size and Risk: A Challenge for Concrete Design Codes. <i>IABSE Symposium Report</i> , 2022, , .	0.0	1
6	Coefficient of Variation of Shear Strength of RC Beams and Size Effect. <i>Journal of Engineering Mechanics - ASCE</i> , 2021, 147, .	2.9	13
7	Conversion of explicit microplane model with boundaries to a constitutive subroutine for implicit finite element programs. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 1563-1577.	2.8	12
8	Structural strength scaling law for fracture of plastic-hardening metals and testing of fracture properties. <i>Extreme Mechanics Letters</i> , 2021, 43, 101141.	4.1	19
9	Elastic and fracture behavior of three-dimensional ply-to-ply angle interlock woven composites: Through-thickness, size effect, and multiaxial tests. <i>Composites Part C: Open Access</i> , 2021, 4, 100098.	3.2	5
10	Injection Parameters That Promote Branching of Hydraulic Cracks. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093321.	4.0	4
11	Size Effect on Shear Strength of Reinforced Concrete: Is CSCT or MCFT a Viable Alternative to Energy-Based Design Code?. <i>Journal of Engineering Mechanics - ASCE</i> , 2020, 146, .	2.9	8
12	Discussion of the article "On shear in members without stirrups and the application of energy-based methods in light of 30 years of test observations". <i>Structural Concrete</i> , 2020, 21, 1693-1694.	3.1	0
13	Size Effect on FRP External Reinforcement and Retrofit of Concrete Structures. <i>Journal of Composites for Construction</i> , 2020, 24, .	3.2	9
14	Discussion of the article "From experimental evidence to mechanical modeling and design expressions: The critical shear crack theory for shear design". <i>Structural Concrete</i> , 2020, 21, 1688-1689.	3.1	1
15	New perspective of fracture mechanics inspired by gap test with crack-parallel compression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14015-14020.	7.1	56
16	Failure Probability of Concrete Specimens of Uncertain Mean Strength in Large Database. <i>Journal of Engineering Mechanics - ASCE</i> , 2020, 146, .	2.9	6
17	Size effect on branched sideways cracks in orthotropic fiber composites. <i>International Journal of Fracture</i> , 2020, 222, 155-169.	2.2	5
18	Unsaturated nanoporomechanics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3440-3445.	7.1	15

#	ARTICLE	IF	CITATIONS
19	Gap Test of Crack-Parallel Stress Effect on Quasibrittle Fracture and Its Consequences. Journal of Applied Mechanics, Transactions ASME, 2020, 87, .	2.2	49
20	General Fishnet Statistics of Strength: Nacreous, Biomimetic, Concrete, Octet-Truss, and Other Architected or Quasibrittle Materials. Journal of Applied Mechanics, Transactions ASME, 2020, 87, .	2.2	4
21	Anisotropic microplane constitutive model for coupling creep and damage in layered geomaterials such as gas or oil shale. International Journal of Rock Mechanics and Minings Sciences, 2019, 124, 104074.	5.8	17
22	Century-long expansion of hydrating cement counteracting concrete shrinkage due to humidity drop from selfdesiccation or external drying. Materials and Structures/Materiaux Et Constructions, 2019, 52, 1.	3.1	18
23	A Precis of Fishnet Statistics for Tail Probability of Failure of Materials with Alternating Series and Parallel Links. Physical Mesomechanics, 2019, 22, 32-41.	1.9	2
24	Fishnet Statistical Size Effect on Strength of Materials With Nacreous Microstructure. Journal of Applied Mechanics, Transactions ASME, 2019, 86, .	2.2	8
25	Engineerâ€™s Digest of $E = mc^2$. Journal of Applied Mechanics, Transactions ASME, 2019, 86, .	2.2	0
26	Critique of critical shear crack theory for <i>fib</i> Model Code articles on shear strength and size effect of reinforced concrete beams. Structural Concrete, 2019, 20, 1451-1463.	3.1	29
27	Critical comparison of the boundary effect model with cohesive crack model and size effect law. Engineering Fracture Mechanics, 2019, 215, 193-210.	4.3	47
28	Sorption isotherm restricted by multilayer hindered adsorption and its relation to nanopore size distribution. Journal of the Mechanics and Physics of Solids, 2019, 127, 111-124.	4.8	16
29	Effect of high-rate dynamic comminution on penetration of projectiles of various velocities and impact angles into concrete. International Journal of Fracture, 2019, 216, 211-221.	2.2	13
30	Moisture Diffusion in Unsaturated Self-Desiccating Concrete with Humidity-Dependent Permeability and Nonlinear Sorption Isotherm. Journal of Engineering Mechanics - ASCE, 2019, 145, 04019032.	2.9	14
31	Prediction of autogenous shrinkage in concrete from material composition or strength calibrated by a large database, as update to model B4. Materials and Structures/Materiaux Et Constructions, 2019, 52, 1.	3.1	25
32	Design of quasibrittle materials and structures to optimize strength and scaling at probability tail: an apercu. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2019, 475, 20180617.	2.1	26
33	Dependence of fracture size effect and projectile penetration on fiber content of FRC. IOP Conference Series: Materials Science and Engineering, 2019, 596, 012001.	0.6	5
34	Branching of hydraulic cracks enabling permeability of gas or oil shale with closed natural fractures. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1532-1537.	7.1	49
35	Extended Microprestress-Solidification Theory for Long-Term Creep with Diffusion Size Effect in Concrete at Variable Environment. Journal of Engineering Mechanics - ASCE, 2019, 145, .	2.9	30
36	Mode I and II Interlaminar Fracture in Laminated Composites: A Size Effect Study. Journal of Applied Mechanics, Transactions ASME, 2019, 86, .	2.2	24

#	ARTICLE	IF	CITATIONS
37	Size Effect of Squat Shear Walls Extrapolated by Microplane Model M7. ACI Structural Journal, 2019, 116, .	0.2	16
38	Recent advances in mechanics of fracking and new results on 2D simulation of crack branching in anisotropic gas or oil shale. Acta Mechanica, 2018, 229, 975-992.	2.1	10
39	Time lag in measuring pore humidity in concrete by a gage in finite cavity. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	3.1	5
40	A nanoscale perspective on the effects of transverse microprestress on drying creep of nanoporous solids. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20170570.	2.1	6
41	Statistical filtering of useful concrete creep data from imperfect laboratory tests. Materials and Structures/Materiaux Et Constructions, 2018, 51, 1.	3.1	8
42	Fishnet model with order statistics for tail probability of failure of nacreous biomimetic materials with softening interlaminar links. Journal of the Mechanics and Physics of Solids, 2018, 121, 281-295.	4.8	12
43	Creep and Hygrothermal Effects in Concrete Structures. Solid Mechanics and Its Applications, 2018, , .	0.2	103
44	Importance of creep and ASR gel diffusion in predicting ASR induced expansion. Hormigon Y Acero, 2018, , .	0.2	0
45	The Enigma of Large-Scale Permeability of Gas Shale: Pre-Existing or Frac-Induced?. Journal of Applied Mechanics, Transactions ASME, 2017, 84, .	2.2	18
46	Spherocylindrical microplane constitutive model for shale and other anisotropic rocks. Journal of the Mechanics and Physics of Solids, 2017, 103, 155-178.	4.8	58
47	Fishnet statistics for probabilistic strength and scaling of nacreous imbricated lamellar materials. Journal of the Mechanics and Physics of Solids, 2017, 109, 264-287.	4.8	26
48	Three-Phase Cracked Porous Medium: Shale Fracking and ASR Damage. , 2017, , .		1
49	Fishnet model for failure probability tail of nacre-like imbricated lamellar materials. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12900-12905.	7.1	31
50	Diffusion-Controlled and Creep-Mitigated ASR Damage via Microplane Model. II: Material Degradation, Drying, and Verification. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	26
51	Diffusion-Controlled and Creep-Mitigated ASR Damage via Microplane Model. I: Mass Concrete. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	30
52	Cement hydration from hours to centuries controlled by diffusion through barrier shells of C-S-H. Journal of the Mechanics and Physics of Solids, 2017, 99, 211-224.	4.8	75
53	Size Effect on Punching Strength of Reinforced Concrete Slabs without and with Shear Reinforcement. ACI Structural Journal, 2017, 114, .	0.2	38
54	Comparison of main models for size effect on shear strength of reinforced and prestressed concrete beams. Structural Concrete, 2016, 17, 778-789.	3.1	43

#	ARTICLE	IF	CITATIONS
55	Direct Testing of Gradual Postpeak Softening of Fracture Specimens of Fiber Composites Stabilized by Enhanced Grip Stiffness and Mass. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2016, 83, .	2.2	30
56	Wave Dispersion and Basic Concepts of Peridynamics Compared to Classical Nonlocal Damage Models. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2016, 83, .	2.2	80
57	Growth model for large branched three-dimensional hydraulic crack system in gas or oil shale. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2016, 374, 20150418.	3.4	31
58	Recent Advances in Global Fracture Mechanics of Growth of Large Hydraulic Crack Systems in Gas or Oil Shale: A Review. , 2016, , 435-460.		3
59	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.	7.8	71
60	Transient effects of drying creep in nanoporous solids: understanding the effects of nanoscale energy barriers. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20160490.	2.1	11
61	Shape factors for concrete shrinkage and drying creep in model B4 refined by nonlinear diffusion analysis. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 4779-4784.	3.1	10
62	Microplane-Triad Model for Elastic and Fracturing Behavior of Woven Composites. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2016, 83, .	2.2	27
63	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.	2.4	36
64	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.	5.7	69
65	Extrapolation of short-time drying shrinkage tests based on measured diffusion size effect: concept and reality. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 411-420.	3.1	10
66	Strain-rate-dependent microplane model for high-rate comminution of concrete under impact based on kinetic energy release theory. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2015, 471, 20150535.	2.1	11
67	Stochastic discrete meso-scale simulations of concrete fracture: Comparison to experimental data. <i>Engineering Fracture Mechanics</i> , 2015, 135, 1-16.	4.3	87
68	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, 771-796.	3.1	53
69	Impact Comminution of Solids Due to Progressive Crack Growth Driven by Kinetic Energy of High-Rate Shear. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2015, 82, .	2.2	9
70	Viscous energy dissipation of kinetic energy of particles comminuted by high-rate shearing in projectile penetration, with potential ramification to gas shale. <i>International Journal of Fracture</i> , 2015, 193, 77-85.	2.2	7
71	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.	3.1	61
72	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.	3.1	80

#	ARTICLE	IF	CITATIONS
73	Size effect in Paris law for quasibrittle materials analyzed by the microplane constitutive model M7. Mechanics Research Communications, 2015, 68, 60-64.	1.8	8
74	Creep of Lubricated Layered Nano-Porous Solids and Application To Cementitious Materials. Journal of Nanomechanics & Micromechanics, 2015, 5, .	1.4	12
75	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.	3.1	28
76	Microplane damage model for fatigue of quasibrittle materials: Sub-critical crack growth, lifetime and residual strength. International Journal of Fatigue, 2015, 70, 93-105.	5.7	51
77	Damage in Prestressed Concrete Structures due to Creep and Shrinkage of Concrete. , 2015, , 515-564.		5
78	Comprehensive Database for Concrete Creep and Shrinkage: Analysis and Recommendations for Testing and Recording. ACI Materials Journal, 2015, 112, .	0.2	51
79	Why Fracking Works. Journal of Applied Mechanics, Transactions ASME, 2014, 81, .	2.2	147
80	Energy-Conservation Error Due to Use of Greenâ€™Naghdi Objective Stress Rate in Commercial Finite-Element Codes and Its Compensation. Journal of Applied Mechanics, Transactions ASME, 2014, 81, .	2.2	18
81	Universal Size-Shape Effect Law Based on Comprehensive Concrete Fracture Tests. Journal of Engineering Mechanics - ASCE, 2014, 140, 473-479.	2.9	95
82	Finite weakest-link model of lifetime distribution of quasibrittle structures under fatigue loading. Mathematics and Mechanics of Solids, 2014, 19, 56-70.	2.4	6
83	Comparison of the Hu-Duan Boundary Effect Model with the Size-Shape Effect Law for Quasi-Brittle Fracture Based on New Comprehensive Fracture Tests. Journal of Engineering Mechanics - ASCE, 2014, 140, 480-486.	2.9	48
84	Review of energy conservation errors in finite element softwares caused by using energy-inconsistent objective stress rates. Advances in Engineering Software, 2014, 72, 3-7.	3.8	12
85	Fracture and Size Effect on Strength of Plain Concrete Disks under Biaxial Flexure Analyzed by Microplane Model M7. Journal of Engineering Mechanics - ASCE, 2014, 140, 604-613.	2.9	12
86	Impact comminution of solids due to local kinetic energy of high shear strain rate: I. Continuum theory and turbulence analogy. Journal of the Mechanics and Physics of Solids, 2014, 64, 223-235.	4.8	36
87	Impact comminution of solids due to local kinetic energy of high shear strain rate: IIâ€™Microplane model and verification. Journal of the Mechanics and Physics of Solids, 2014, 64, 236-248.	4.8	27
88	Size Effect in Flexure of Prestressed Concrete Beams Failing by Compression Softening. Journal of Structural Engineering, 2014, 140, .	3.4	9
89	Microplane damage model for jointed rock masses. International Journal for Numerical and Analytical Methods in Geomechanics, 2014, 38, 1431-1452.	3.3	16
90	Cohesive crack, size effect, crack band and work-of-fracture models compared to comprehensive concrete fracture tests. International Journal of Fracture, 2014, 187, 133-143.	2.2	89

#	ARTICLE	IF	CITATIONS
91	Theory of cyclic creep of concrete based on Paris law for fatigue growth of subcritical microcracks. Journal of the Mechanics and Physics of Solids, 2014, 63, 187-200.	4.8	70
92	Statistical distribution and size effect of residual strength of quasibrittle materials after a period of constant load. Journal of the Mechanics and Physics of Solids, 2014, 64, 440-454.	4.8	10
93	The asymptotic stochastic strength of bundles of elements exhibiting general stress-strain laws. Probabilistic Engineering Mechanics, 2014, 36, 1-7.	2.7	13
94	Comprehensive concrete fracture tests: Description and results. Engineering Fracture Mechanics, 2013, 114, 92-103.	4.3	131
95	Non-uniqueness of cohesive-crack stress-separation law of human and bovine bones and remedy by size effect tests. International Journal of Fracture, 2013, 181, 67-81.	2.2	20
96	Microplane Model M7 for Plain Concrete. I: Formulation. Journal of Engineering Mechanics - ASCE, 2013, 139, 1714-1723.	2.9	129
97	Comprehensive concrete fracture tests: Size effects of Types 1 & 2, crack length effect and postpeak. Engineering Fracture Mechanics, 2013, 110, 281-289.	4.3	100
98	Microplane model M7f for fiber reinforced concrete. Engineering Fracture Mechanics, 2013, 105, 41-57.	4.3	43
99	Comminution of solids caused by kinetic energy of high shear strain rate, with implications for impact, shock, and shale fracturing. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19291-19294.	7.1	36
100	On the Importance of Work-Conjugacy and Objective Stress Rates in Finite Deformation Incremental Finite Element Analysis. Journal of Applied Mechanics, Transactions ASME, 2013, 80, .	2.2	37
101	Elastic Soft-Core Sandwich Plates: Critical Loads and Energy Errors in Commercial Codes Due to Choice of Objective Stress Rate. Journal of Applied Mechanics, Transactions ASME, 2013, 80, .	2.2	7
102	Relaxation of Prestressing Steel at Varying Strain and Temperature: Viscoplastic Constitutive Relation. Journal of Engineering Mechanics - ASCE, 2013, 139, 814-823.	2.9	28
103	Microplane Model M7 for Plain Concrete. II: Calibration and Verification. Journal of Engineering Mechanics - ASCE, 2013, 139, 1724-1735.	2.9	73
104	Improved Estimation of Long-Term Relaxation Function from Compliance Function of Aging Concrete. Journal of Engineering Mechanics - ASCE, 2013, 139, 146-152.	2.9	25
105	Scaling of Static Fracture of Quasi-Brittle Structures: Strength, Lifetime, and Fracture Kinetics. Journal of Applied Mechanics, Transactions ASME, 2012, 79, .	2.2	10
106	Excessive Long-Time Deflections of Prestressed Box Girders. I: Record-Span Bridge in Palau and Other Paradigms. Journal of Structural Engineering, 2012, 138, 676-686.	3.4	182
107	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.	2.1	27
108	Computation of Probability Distribution of Strength of Quasibrittle Structures Failing at Macrocrack Initiation. Journal of Engineering Mechanics - ASCE, 2012, 138, 888-899.	2.9	12

#	ARTICLE	IF	CITATIONS
109	Closure to "Why the Observed Motion History of World Trade Center Towers Is Smooth" by Jia-Liang Le and ZdenĀk P. BaĀ3/4ant. Journal of Engineering Mechanics - ASCE, 2012, 138, 1300-1301.	2.9	1
110	Theory of sorption hysteresis in nanoporous solids: Part I. Journal of the Mechanics and Physics of Solids, 2012, 60, 1644-1659.	4.8	41
111	Theory of sorption hysteresis in nanoporous solids: Part II Molecular condensation. Journal of the Mechanics and Physics of Solids, 2012, 60, 1660-1675.	4.8	41
112	Size effect on strength and lifetime probability distributions of quasibrittle structures. Sadhana - Academy Proceedings in Engineering Sciences, 2012, 37, 17-31.	1.3	5
113	Scaling of Strength and Lifetime Distributions of Quasibrittle Structures. , 2011, , 43-59.		0
114	Multiscale simulation of fracture of braided composites via repetitive unit cells. Engineering Fracture Mechanics, 2011, 78, 901-918.	4.3	46
115	Unified nano-mechanics based probabilistic theory of quasibrittle and brittle structures: I. Strength, static crack growth, lifetime and scaling. Journal of the Mechanics and Physics of Solids, 2011, 59, 1291-1321.	4.8	150
116	Unified nano-mechanics based probabilistic theory of quasibrittle and brittle structures: II. Fatigue crack growth, lifetime and scaling. Journal of the Mechanics and Physics of Solids, 2011, 59, 1322-1337.	4.8	68
117	Can Stirrups Suppress Size Effect on Shear Strength of RC Beams?. Journal of Structural Engineering, 2011, 137, 607-617.	3.4	71
118	Size-Effect Testing of Cohesive Fracture Parameters and Nonuniqueness of Work-of-Fracture Method. Journal of Engineering Mechanics - ASCE, 2011, 137, 580-588.	2.9	52
119	Microplane Model for Fracturing Damage of Triaxially Braided Fiber-Polymer Composites. Journal of Engineering Materials and Technology, Transactions of the ASME, 2011, 133, .	1.4	19
120	Problems with Hu-Duan Boundary Effect Model and Its Comparison to Size-Shape Effect Law for Quasi-Brittle Fracture. Journal of Engineering Mechanics - ASCE, 2010, 136, 40-50.	2.9	48
121	Closure to "What Did and Did Not Cause Collapse of World Trade Center Twin Towers in New York?" by ZdenĀk P. BaĀ3/4ant, Jia-Liang Le, Frank R. Greening, and David B. Benson. Journal of Engineering Mechanics - ASCE, 2010, 136, 934-935.	2.9	3
122	Scaling of Strength of Metal-Composite Joints"Part I: Experimental Investigation. Journal of Applied Mechanics, Transactions ASME, 2010, 77, .	2.2	11
123	Errors Caused by Non-Work-Conjugate Stress and Strain Measures and Necessary Corrections in Finite Element Programs. Journal of Applied Mechanics, Transactions ASME, 2010, 77, .	2.2	33
124	Scaling of Strength of Metal-Composite Joints"Part II: Interface Fracture Analysis. Journal of Applied Mechanics, Transactions ASME, 2010, 77, .	2.2	11
125	Can Multiscale-Multiphysics Methods Predict Softening Damage and Structural Failure?. International Journal for Multiscale Computational Engineering, 2010, 8, 61-67.	1.2	45
126	Subcritical crack growth law and its consequences for lifetime statistics and size effect of quasibrittle structures. Journal Physics D: Applied Physics, 2009, 42, 214008.	2.8	29

#	ARTICLE	IF	CITATIONS
127	Lifetime of high-k gate dielectrics and analogy with strength of quasibrittle structures. Journal of Applied Physics, 2009, 106, .	2.5	16
128	Random Lattice-Particle Simulation of Statistical Size Effect in Quasi-Brittle Structures Failing at Crack Initiation. Journal of Engineering Mechanics - ASCE, 2009, 135, 85-92.	2.9	75
129	Strength distribution of dental restorative ceramics: Finite weakest link model with zero threshold. Dental Materials, 2009, 25, 641-648.	3.5	30
130	Nano-mechanics based modeling of lifetime distribution of quasibrittle structures. Engineering Failure Analysis, 2009, 16, 2521-2529.	4.0	23
131	Size effect on strength of laminate-foam sandwich plates: Finite element analysis with interface fracture. Composites Part B: Engineering, 2009, 40, 337-348.	12.0	31
132	Universal Size Effect Law and Effect of Crack Depth on Quasi-Brittle Structure Strength. Journal of Engineering Mechanics - ASCE, 2009, 135, 78-84.	2.9	116
133	Scaling of strength and lifetime probability distributions of quasibrittle structures based on atomistic fracture mechanics. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11484-11489.	7.1	94
134	Size Effect on Fracture of Composite and Sandwich Structures. , 2009, , 305-338.		1
135	Recent Progress in Energetic Probabilistic Scaling Laws for Quasi-Brittle Fracture. IUTAM Symposium on Cellular, Molecular and Tissue Mechanics, 2009, , 135-144.	0.2	0
136	Statistics of strength of ceramics: finite weakest-link model and necessity of zero threshold. International Journal of Fracture, 2008, 154, 131-145.	2.2	38
137	Initial postcritical behavior of sandwich columns with low shear and transverse stiffness. Composites Part B: Engineering, 2008, 39, 159-164.	12.0	5
138	Spectral Stiffness Microplane Model for Quasibrittle Composite Laminatesâ€”Part II: Calibration and Validation. Journal of Applied Mechanics, Transactions ASME, 2008, 75, .	2.2	15
139	Microplane Model M5f for Multiaxial Behavior and Fracture of Fiber-Reinforced Concrete. Journal of Engineering Mechanics - ASCE, 2007, 133, 66-75.	2.9	34
140	Asymptotic Prediction of Energetic-Statistical Size Effect from Deterministic Finite-Element Solutions. Journal of Engineering Mechanics - ASCE, 2007, 133, 153-162.	2.9	72
141	Mechanics of Progressive Collapse: Learning from World Trade Center and Building Demolitions. Journal of Engineering Mechanics - ASCE, 2007, 133, 308-319.	2.9	140
142	Energeticâ€”statistical size effect simulated by SFEM with stratified sampling and crack band model. International Journal for Numerical Methods in Engineering, 2007, 71, 1297-1320.	2.8	53
143	Response to A. Carpinteri, B. Chiaia, P. Cornetti and S. Puzziâ€™s Comments on â€œThe cause of size effect on structural strength fractal or energetic-statistical?â€”. Engineering Fracture Mechanics, 2007, 74, 2897-2910.	4.3	15
144	Activation energy based extreme value statistics and size effect in brittle and quasibrittle fracture. Journal of the Mechanics and Physics of Solids, 2007, 55, 91-131.	4.8	212

#	ARTICLE	IF	CITATIONS
145	Size effect on buckling strength of eccentrically compressed column with fixed or propagating transverse crack. <i>International Journal of Fracture</i> , 2007, 142, 151-162.	2.2	3
146	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.	2.7	41
147	Postcritical imperfection sensitivity of sandwich or homogenized orthotropic columns soft in shear and in transverse deformation. <i>International Journal of Solids and Structures</i> , 2006, 43, 5501-5524.	2.7	17
148	Stability of ancient masonry towers: Moisture diffusion, carbonation and size effect. <i>Cement and Concrete Research</i> , 2006, 36, 1379-1388.	11.0	33
149	Size Effect on Compressive Strength of Sandwich Panels with Fracture of Woven Laminate Facesheet. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2006, 128, 169-174.	1.4	13
150	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, 9434-9439.	7.1	98
151	Size Effect on Strength of Quasibrittle Structures with Reentrant Corners Symmetrically Loaded in Tension. <i>Journal of Engineering Mechanics - ASCE</i> , 2006, 132, 1168-1176.	2.9	17
152	Reliability, Brittleness, Covert Understrength Factors, and Fringe Formulas in Concrete Design Codes. <i>Journal of Structural Engineering</i> , 2006, 132, 3-12.	3.4	15
153	Is the cause of size effect on structural strength fractal or energeticâ€œstatistical?. <i>Engineering Fracture Mechanics</i> , 2005, 72, 1-31.	4.3	123
154	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.	2.8	58
155	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.	2.9	59
156	Microplane Model M5 with Kinematic and Static Constraints for Concrete Fracture and Anelasticity. II: Computation. <i>Journal of Engineering Mechanics - ASCE</i> , 2005, 131, 41-47.	2.9	15
157	Epitaxially influenced boundary layer model for size effect in thin metallic films. <i>Journal of Applied Physics</i> , 2005, 97, 073506.	2.5	18
158	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.	3.4	108
159	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.	3.4	52
160	Sandwich buckling formulas and applicability of standard computational algorithm for finite strain. <i>Composites Part B: Engineering</i> , 2004, 35, 573-581.	12.0	47
161	Probability distribution of energetic-statistical size effect in quasibrittle fracture. <i>Probabilistic Engineering Mechanics</i> , 2004, 19, 307-319.	2.7	105
162	Shear and objective stress rates in hypoplasticity by D. Kolymbas and I. HerleAuthor's Reply to Discussion by A. Beghini and Z. P. Bazant, R. Chambon and A. Niemunis ofâ€œShear and objective stress rates in hypoplasticityâ€™. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2004, 28, 365-372.	3.3	6

#	ARTICLE	IF	CITATIONS
163	Nonlocal microplane model with strain-softening yield limits. International Journal of Solids and Structures, 2004, 41, 7209-7240.	2.7	78
164	Scaling theory for quasibrittle structural failure. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13400-13407.	7.1	207
165	Temperature Effect on Concrete Creep Modeled by Microprestress-Solidification Theory. Journal of Engineering Mechanics - ASCE, 2004, 130, 691-699.	2.9	159
166	Asymptotic stress intensity factor density profiles for smeared-tip method for cohesive fracture. International Journal of Fracture, 2003, 119, 145-159.	2.2	11
167	Microplane constitutive model for porous isotropic rocks. International Journal for Numerical and Analytical Methods in Geomechanics, 2003, 27, 25-47.	3.3	34
168	Non-local boundary integral formulation for softening damage. International Journal for Numerical Methods in Engineering, 2003, 57, 103-116.	2.8	27
169	Size effect and asymptotic matching analysis of fracture of closed-cell polymeric foam. International Journal of Solids and Structures, 2003, 40, 7197-7217.	2.7	36
170	Eigenvalue method for computing size effect of cohesive cracks with residual stress, with application to kink-bands in composites. International Journal of Engineering Science, 2003, 41, 1519-1534.	5.0	30
171	Size effect law and fracture mechanics of the triggering of dry snow slab avalanches. Journal of Geophysical Research, 2003, 108, .	3.3	75
172	Confinement-Shear Lattice Model for Concrete Damage in Tension and Compression: I. Theory. Journal of Engineering Mechanics - ASCE, 2003, 129, 1439-1448.	2.9	242
173	Confinement-Shear Lattice Model for Concrete Damage in Tension and Compression: II. Computation and Validation. Journal of Engineering Mechanics - ASCE, 2003, 129, 1449-1458.	2.9	105
174	Cohesive Fracturing and Stresses Caused by Hydration Heat in Massive Concrete Wall. Journal of Engineering Mechanics - ASCE, 2003, 129, 21-30.	2.9	32
175	Asymptotic Matching Analysis of Scaling of Structural Failure Due to Softening Hinges. II: Implications. Journal of Engineering Mechanics - ASCE, 2003, 129, 651-654.	2.9	6
176	Closure to "Why Did the World Trade Center Collapse?" Simple Analysis" by ZdenĀk P. BaĀ3/4ant and Yong Zhou. Journal of Engineering Mechanics - ASCE, 2003, 129, 839-840.	2.9	0
177	Asymptotic Matching Analysis of Scaling of Structural Failure Due to Softening Hinges. I: Theory. Journal of Engineering Mechanics - ASCE, 2003, 129, 641-650.	2.9	17
178	Discussion of "Fracture Analysis of High Strength Concrete Members" by Rajandra K. Navalurkar and Cheng-Tzu Thomas Hsu. Journal of Materials in Civil Engineering, 2002, 14, 445-446.	2.9	0
179	Vertex Effect in Strain-Softening Concrete at Rotating Principal Axes. Journal of Engineering Mechanics - ASCE, 2002, 128, 24-33.	2.9	36
180	STABILITY AND FRACTURE SCALING OF COMPOSITES: RECENT ADVANCES. , 2002, , .		0

#	ARTICLE	IF	CITATIONS
181	Lateral Confinement Needed to Suppress Softening of Concrete in Compression. Journal of Engineering Mechanics - ASCE, 2002, 128, 1304-1313.	2.9	22
182	Nonlocal Integral Formulations of Plasticity and Damage: Survey of Progress. Journal of Engineering Mechanics - ASCE, 2002, 128, 1119-1149.	2.9	1,018
183	Nonlocal strain-softening model of quasi-brittle materials using boundary element method. Engineering Analysis With Boundary Elements, 2002, 26, 417-424.	3.7	20
184	Scaling of dislocation-based strain-gradient plasticity. Journal of the Mechanics and Physics of Solids, 2002, 50, 435-448.	4.8	26
185	Size effect and asymptotic matching approximations in strain-gradient theories of micro-scale plasticity. International Journal of Solids and Structures, 2002, 39, 5633-5657.	2.7	24
186	Concrete fracture models: testing and practice. Engineering Fracture Mechanics, 2002, 69, 165-205.	4.3	404
187	Statistical prediction of fracture parameters of concrete and implications for choice of testing standard. Cement and Concrete Research, 2002, 32, 529-556.	11.0	341
188	Report on ONR Workshop on Fracture Scaling. International Journal of Fracture, 2002, 113, 345-366.	2.2	3
189	Choice of standard fracture test for concrete and its statistical evaluation. International Journal of Fracture, 2002, 118, 303-337.	2.2	57
190	Reminiscences on Four Decades of Struggle and Progress in Softening Damage and Size Effect. Concrete Journal, 2002, 40, 16-28.	0.0	6
191	Prediction of concrete creep and shrinkage: past, present and future. Nuclear Engineering and Design, 2001, 203, 27-38.	1.7	233
192	Microplane finite element analysis of tube-squash test of concrete with shear angles up to 70°. International Journal for Numerical Methods in Engineering, 2001, 52, 1165-1188.	2.8	12
193	Microplane model for stiff foams and finite element analysis of sandwich failure by core indentation. International Journal of Solids and Structures, 2001, 38, 8111-8132.	2.7	37
194	Probabilistic Nonlocal Theory for Quasibrittle Fracture Initiation and Size Effect. Application. Journal of Engineering Mechanics - ASCE, 2000, 126, 175-185.	2.9	45
195	Fracture Mechanics of ASR in Concretes with Waste Glass Particles of Different Sizes. Journal of Engineering Mechanics - ASCE, 2000, 126, 226-232.	2.9	118
196	Probabilistic Nonlocal Theory for Quasibrittle Fracture Initiation and Size Effect. Theory. Journal of Engineering Mechanics - ASCE, 2000, 126, 166-174.	2.9	79
197	Large-Strain Generalization of Microplane Model for Concrete and Application. Journal of Engineering Mechanics - ASCE, 2000, 126, 971-980.	2.9	75
198	Microplane Model M4 for Concrete. I: Formulation with Work-Conjugate Deviatoric Stress. Journal of Engineering Mechanics - ASCE, 2000, 126, 944-953.	2.9	241

#	ARTICLE	IF	CITATIONS
199	Microplane Model M4 for Concrete. II: Algorithm and Calibration. Journal of Engineering Mechanics - ASCE, 2000, 126, 954-961.	2.9	104
200	Fracturing Rate Effect and Creep in Microplane Model for Dynamics. Journal of Engineering Mechanics - ASCE, 2000, 126, 962-970.	2.9	102
201	Compound Size Effect in Composite Beams with Softening Connectors.â€ŒI: Energy Approach. Journal of Engineering Mechanics - ASCE, 1999, 125, 1308-1314.	2.9	14
202	Effects of Size and Slenderness on Ductility of Fracturing Structures. Journal of Engineering Mechanics - ASCE, 1999, 125, 331-339.	2.9	6
203	Thermodynamic functions for ageing viscoelasticity: integral form without internal variables. International Journal of Solids and Structures, 1999, 36, 3993-4016.	2.7	19
204	Size effect on compression strength of fiber composites failing by kink band propagation. International Journal of Fracture, 1999, 95, 103-141.	2.2	84
205	Triaxial Composite Model for Basic Creep of Concrete. Journal of Engineering Mechanics - ASCE, 1998, 124, 959-965.	2.9	13
206	Fracturing Truss Model: Size Effect in Shear Failure of Reinforced Concrete. Journal of Engineering Mechanics - ASCE, 1997, 123, 1276-1288.	2.9	42
207	Microprestress-Solidification Theory for Concrete Creep.â€ŒII: Algorithm and Verification. Journal of Engineering Mechanics - ASCE, 1997, 123, 1195-1201.	2.9	93
208	Size Effect in Compression Fracture: Splitting Crack Band Propagation. Journal of Engineering Mechanics - ASCE, 1997, 123, 162-172.	2.9	160
209	Microprestress-Solidification Theory for Concrete Creep.â€ŒI: Aging and Drying Effects. Journal of Engineering Mechanics - ASCE, 1997, 123, 1188-1194.	2.9	367
210	Cohesive Crack with Rate-Dependent Opening and Viscoelasticity: I. Mathematical Model and Scaling. International Journal of Fracture, 1997, 86, 247-265.	2.2	131
211	Title is missing!. International Journal of Fracture, 1997, 86, 267-288.	2.2	46
212	Damage and plasticity in microplane theory. International Journal of Solids and Structures, 1997, 34, 3807-3835.	2.7	149
213	Short form of creep and shrinkage prediction model B3 for structures of medium sensitivity. Materiaux Et Constructions, 1996, 29, 587-593.	0.3	44
214	Variable-notch one-size test method for fracture energy and process zone length. Engineering Fracture Mechanics, 1996, 55, 383-404.	4.3	74
215	Size effect aspects of measurement of fracture characteristics of quasibrittle material. Advanced Cement Based Materials, 1996, 4, 128-137.	0.3	22
216	Zero-Brittleness Size-Effect Method for One-Size Fracture Test of Concrete. Journal of Engineering Mechanics - ASCE, 1996, 122, 458-468.	2.9	51

#	ARTICLE	IF	CITATIONS
217	Microplane Model for Concrete. I: Stress-Strain Boundaries and Finite Strain. Journal of Engineering Mechanics - ASCE, 1996, 122, 245-254.	2.9	138
218	Analysis of Work-of-Fracture Method for Measuring Fracture Energy of Concrete. Journal of Engineering Mechanics - ASCE, 1996, 122, 138-144.	2.9	88
219	Scaling Of Fracture In Quasibrittle Materials And The Question Of Possible Influence Of Fractal Morphology. Materials Research Society Symposia Proceedings, 1995, 409, 371.	0.1	0
220	Justification and refinements of model B3 for concrete creep and shrinkage 1. statistics and sensitivity. Materiaux Et Constructions, 1995, 28, 415-430.	0.3	142
221	Justification and refinements of model B3 for concrete creep and shrinkage 2. Updating and theoretical basis. Materiaux Et Constructions, 1995, 28, 488-495.	0.3	83
222	Effect of Composition on Basic Creep of Concrete and Cement Paste. Journal of Engineering Mechanics - ASCE, 1995, 121, 1261-1270.	2.9	31
223	Continuous Retardation Spectrum for Solidification Theory of Concrete Creep. Journal of Engineering Mechanics - ASCE, 1995, 121, 281-288.	2.9	107
224	Modulus of Rupture: Size Effect due to Fracture Initiation in Boundary Layer. Journal of Structural Engineering, 1995, 121, 739-746.	3.4	80
225	Discussion of "Fracture Mechanics and Size Effect of Concrete in Tension" by Tianxi Tang, Surendra P. Shah, and Chengsheng Ouyang (November, 1992, Vol. 118, No. 11). Journal of Structural Engineering, 1994, 120, 2555-2558.	3.4	8
226	Eigenvalue analysis of size effect for cohesive crack model. International Journal of Fracture, 1994, 66, 213-226.	2.2	25
227	Moisture diffusion in cementitious materials Adsorption isotherms. Advanced Cement Based Materials, 1994, 1, 248-257.	0.3	251
228	Drying creep of concrete: constitutive model and new experiments separating its mechanisms. Materiaux Et Constructions, 1994, 27, 3-14.	0.3	177
229	Fifth RILEM International Symposium on Creep and Shrinkage of Concrete (ConCreep-5). Materiaux Et Constructions, 1994, 27, 370-372.	0.3	8
230	Nonlocal Damage Theory Based on Micromechanics of Crack Interactions. Journal of Engineering Mechanics - ASCE, 1994, 120, 593-617.	2.9	164
231	Fracture energy release and size effect in borehole breakout. International Journal for Numerical and Analytical Methods in Geomechanics, 1993, 17, 1-14.	3.3	68
232	Improved prediction model for time-dependent deformations of concrete: Part 7 "Short form of BP-KX model, statistics and extrapolation of short-time data. Materiaux Et Constructions, 1993, 26, 567-574.	0.3	18
233	Discussion of "Use of Engineering Strain and Trefftz Theory in Buckling of Columns" by C. M. Wang and W. A. M. Alwis (October, 1992, Vol. 118, No. 10). Journal of Engineering Mechanics - ASCE, 1993, 119, 2536-2537.	2.9	4
234	Viscoelasticity with Aging Caused by Solidification of Nonaging Constituent. Journal of Engineering Mechanics - ASCE, 1993, 119, 2252-2269.	2.9	88

#	ARTICLE	IF	CITATIONS
235	Stochastic Drying and Creep Effects in Concrete Structures. Journal of Structural Engineering, 1993, 119, 301-322.	3.4	12
236	R-curve modeling of rate and size effects in quasibrittle fracture. International Journal of Fracture, 1993, 62, 355-373.	2.2	53
237	Compression Failure of Quasibrittle Material: Nonlocal Microplane Model. Journal of Engineering Mechanics - ASCE, 1992, 118, 540-556.	2.9	48
238	Discussion of "Stability of Built-Up Columns" by Atle Gjelsvik (June, 1991, Vol. 117, No. 6). Journal of Engineering Mechanics - ASCE, 1992, 118, 1279-1281.	2.9	5
239	Microplane Model for Cyclic Triaxial Behavior of Concrete. Journal of Engineering Mechanics - ASCE, 1992, 118, 1365-1386.	2.9	59
240	Large-scale thermal bending fracture of sea ice plates. Journal of Geophysical Research, 1992, 97, 17739-17751.	3.3	32
241	Improved prediction model for time-dependent deformations of concrete: Part 4 "Temperature effects. Materiaux Et Constructions, 1992, 25, 84-94.	0.3	25
242	Improved prediction model for time-dependent deformations of concrete: Part 6 "Simplified code-type formulation. Materiaux Et Constructions, 1992, 25, 219-223.	0.3	28
243	Bifurcation and stability of structures with interacting propagating cracks. International Journal of Fracture, 1992, 53, 273-289.	2.2	19
244	Geometric Damage Tensor Based on Microplane Model. Journal of Engineering Mechanics - ASCE, 1991, 117, 2429-2448.	2.9	48
245	Consequences of diffusion theory for shrinkage of concrete. Materiaux Et Constructions, 1991, 24, 323-326.	0.3	33
246	Improved prediction model for time-dependent deformations of concrete: Part 1-Shrinkage. Materiaux Et Constructions, 1991, 24, 327-345.	0.3	50
247	Microplane Model for Triaxial Deformation of Saturated Cohesive Soils. Journal of Geotechnical Engineering, 1991, 117, 891-912.	0.4	20
248	Statistical Size Effect in Quasibrittle Structures: II. Nonlocal Theory. Journal of Engineering Mechanics - ASCE, 1991, 117, 2623-2640.	2.9	125
249	Size dependence of concrete fracture energy determined by RILEM work-of-fracture method. International Journal of Fracture, 1991, 51, 121-138.	2.2	87
250	Size Effect in Fracture of Ceramics and Its Use To Determine Fracture Energy and Effective Process Zone Length. Journal of the American Ceramic Society, 1990, 73, 1841-1853.	3.8	159
251	Random Particle Model for Fracture of Aggregate or Fiber Composites. Journal of Engineering Mechanics - ASCE, 1990, 116, 1686-1705.	2.9	442
252	Solidification Theory for Concrete Creep. I: Formulation. Journal of Engineering Mechanics - ASCE, 1989, 115, 1691-1703.	2.9	323

#	ARTICLE	IF	CITATIONS
253	Sampling analysis of concrete structures for creep and shrinkage with correlated random material parameters. Probabilistic Engineering Mechanics, 1989, 4, 174-186.	2.7	8
254	Solidification Theory for Concrete Creep. II: Verification and Application. Journal of Engineering Mechanics - ASCE, 1989, 115, 1704-1725.	2.9	142
255	Non-local yield limit degradation. International Journal for Numerical Methods in Engineering, 1988, 26, 1805-1823.	2.8	201
256	Microplane Model for Brittleâ€Plastic Material: I. Theory. Journal of Engineering Mechanics - ASCE, 1988, 114, 1672-1688.	2.9	253
257	Microplane Model for Brittleâ€Plastic Material: II. Verification. Journal of Engineering Mechanics - ASCE, 1988, 114, 1689-1702.	2.9	73
258	Creep of Anisotropic Clay: New Microplane Model. Journal of Engineering Mechanics - ASCE, 1987, 113, 1050-1064.	2.9	23
259	Softening in Reinforced Concrete Beams and Frames. Journal of Structural Engineering, 1987, 113, 2333-2347.	3.4	77
260	Nonlocal Damage Theory. Journal of Engineering Mechanics - ASCE, 1987, 113, 1512-1533.	2.9	1,551
261	Snapback instability at crack ligament tearing and its implication for fracture micromechanics. Cement and Concrete Research, 1987, 17, 951-967.	11.0	39
262	Nonlinear Fracture Properties from Size Effect Tests. Journal of Structural Engineering, 1986, 112, 289-307.	3.4	160
263	Creep of Anisotropic Clay: Microplane Model. Journal of Geotechnical Engineering, 1986, 112, 458-475.	0.4	27
264	Practical prediction of cyclic humidity effect in creep and shrinkage of concrete. Materiaux Et Constructions, 1985, 18, 247-252.	0.3	15
265	Random Creep and Shrinkage in Structures: Ampling. Journal of Structural Engineering, 1985, 111, 1113-1134.	3.4	71
266	Microplane Model for Progressive Fracture of Concrete and Rock. Journal of Engineering Mechanics - ASCE, 1985, 111, 559-582.	2.9	286
267	Wave Propagation in a Strainâ€Softening Bar:Exact Solution. Journal of Engineering Mechanics - ASCE, 1985, 111, 381-389.	2.9	179
268	Size Effect in Blunt Fracture: Concrete, Rock, Metal. Journal of Engineering Mechanics - ASCE, 1984, 110, 518-535.	2.9	1,308
269	Continuum Theory for Strainâ€Softening. Journal of Engineering Mechanics - ASCE, 1984, 110, 1666-1692.	2.9	529
270	Crack Shear in Concrete: Crack Band Microplane Model. Journal of Structural Engineering, 1984, 110, 2015-2035.	3.4	181

#	ARTICLE	IF	CITATIONS
271	Crack band theory for fracture of concrete. <i>Materiaux Et Constructions</i> , 1983, 16, 155-177.	0.3	1,456
272	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.	2.8	60
273	Comment on Orthotropic Models for Concrete and Geomaterials. <i>Journal of Engineering Mechanics - ASCE</i> , 1983, 109, 849-865.	2.9	77
274	Work inequalities for plastic fracturing materials. <i>International Journal of Solids and Structures</i> , 1980, 16, 873-901.	2.7	30
275	Blunt Crack Band Propagation in Finite Element Analysis. <i>Journal of the Engineering Mechanics Division</i> , 1979, 105, 297-315.	0.4	188
276	Endochronic inelasticity and incremental plasticity. <i>International Journal of Solids and Structures</i> , 1978, 14, 691-714.	2.7	115
277	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.	3.3	31
278	Instability, Ductility, and Size Effect in Strain-Softening Concrete. <i>Journal of the Engineering Mechanics Division</i> , 1976, 102, 331-344.	0.4	344
279	Safety Advantages of Prestressed Concrete Reactor Vessels. <i>Nuclear Technology</i> , 1976, 30, 256-260.	1.2	2
280	On the choice of creep function for standard recommendations on practical analysis of structures. <i>Cement and Concrete Research</i> , 1975, 5, 129-137.	11.0	15
281	Theory of Creep and Shrinkage in Concrete Structures: A PrĀcis of Recent Developments. , 1975, , 1-93.		84
282	Surface-Diffusion Theory for Drying Creep Effect in Portland Cement Paste and Concrete. <i>Journal of the American Ceramic Society</i> , 1973, 56, 235-241.	3.8	13