Zhen Chen

List of Publications by Year in Descending Order

160 papers	3,902 citations	27 h-index	58 g-index
174 ext. papers	4,428 ext. citations	3.4 avg, IF	5.43 L-index

#	Paper	IF	Citations
160	An adaptive peridynamics material point method for dynamic fracture problem. *Computer Methods in Applied Mechanics and Engineering*, **2022**, 393, 114786	5.7	0
159	Comparative investigation of shear-band evolution using discrete and continuum-based particle methods. *Acta Geotechnica*, **2021**, 16, 2337-2354	4.9	2
158	A total-Lagrangian material point method for coupled growth and massive deformation of incompressible soft materials. *International Journal for Numerical Methods in Engineering*, **2021**, 122, 6180	2.4	2
157	Combining peridynamics and generalized interpolation material point method via volume modification for simulating transient responses. *Computational Particle Mechanics*, **2021**, 8, 337-347	3	1
156	Atomistic study of shock Hugoniot in columnar nanocrystalline copper. *Computational Materials Science*, **2021**, 197, 110635	3.2	1
155	Evolution of Localization Length during Postpeak Response of Steel in Tension: Experimental Study. *Journal of Engineering Mechanics - ASCE*, **2020**, 146, 04020069	2.4	3
154	Study of constituent effect on the failure response of fiber reinforced composites to impact loading with the material point method. *Composite Structures*, **2020**, 252, 112751	5.3	3
153	Axisymmetric Generalized Interpolation Material Point Method for Fully Coupled Thermomechanical Evaluation of Transient Responses. *International Journal of Computational Methods*, **2020**, 17, 1950003	1.1	1
152	Study on the fully coupled thermodynamic fluid□tructure interaction with the material point method. *Computational Particle Mechanics*, **2020**, 7, 225-240	3	3
151	A multiphase smoothed particle hydrodynamics model with lower numerical diffusion. *Journal of Computational Physics*, **2019**, 382, 177-201	4.1	26
150	An adjustable permeation membrane up to the separation for multicomponent gas mixture. *Scientific Reports*, **2019**, 9, 7380	4.9	8
149	Study on one-dimensional softening with localization via integrated MPM and SPH. *Computational Particle Mechanics*, **2019**, 6, 629-636	3	1
148	The Development of the Material Point Method for Simulating Nonlocal Failure Evolution Involved in Multi-phase Interactions. *Springer Series in Geomechanics and Geoengineering*, **2019**, 21-24	0.1	1
147	Effect of the Post-Peak Behavior on Collapse of Structural Systems **2019**,		1
146	Preliminary effort in developing the smoothed material point method for impact. *Computational Particle Mechanics*, **2019**, 6, 45-53	3	4
145	The effects of initial void and dislocation on the onset of plasticity in copper single crystals. *Journal of Applied Physics*, **2019**, 126, 165104	2.5	7
144	Molecular dynamics study on mechanical properties of C-S-H composites. *Journal of Ceramic Processing Research*, **2019**, 20, 19-30	0.5	2

143	Nonlocal simulation of failure evolution with MD and MPM: A case study **2019**, 314-319		
142	Investigation of the mechanical responses of copper nanowires based on molecular dynamics and coarse-grained molecular dynamics. *Computational Particle Mechanics*, **2019**, 6, 177-190	3	2
141	Effect of processing factors on the microstructure and gradual diffusion of tungstenized layers. *Applied Surface Science*, **2019**, 477, 232-240	6.7	6
140	Computational study of the nanoscale mechanical properties of C-S-H composites under different temperatures. *Computational Materials Science*, **2018**, 146, 42-53	3.2	8
139	Influence of dry density and confinement environment on the high strain rate response of partially saturated sand. *International Journal of Impact Engineering*, **2018**, 116, 65-78	4	9
138	Divergent effect of electric fields on the mechanical property of water-filled carbon nanotubes with an application as a nanoscale trigger. *Nanotechnology*, **2018**, 29, 025707	3.4	2
137	Pressure sensitivity of dislocation density in copper single crystals at submicron scale. *Materials Research Express*, **2018**, 5, 016504	1.7	1
136	Development of generalized interpolation material point method for simulating fully coupled thermomechanical failure evolution. *Computer Methods in Applied Mechanics and Engineering*, **2018**, 332, 325-342	5.7	14
135	Enhancement of the material point method using B-spline basis functions. *International Journal for Numerical Methods in Engineering*, **2018**, 113, 411-431	2.4	49
134	Time-discontinuous material point method for transient problems. *Computer Methods in Applied Mechanics and Engineering*, **2018**, 328, 663-685	5.7	12
133	Anisotropy of nickel-based superalloy K418 fabricated by selective laser melting. *Progress in Natural Science: Materials International*, **2018**, 28, 496-504	3.6	40
132	Combined MPM-DEM for Simulating the Interaction Between Solid Elements and Fluid Particles. *Communications in Computational Physics*, **2017**, 21, 1258-1281	2.4	3
131	Hierarchical multiscale simulations of crystalline Ɛctahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine (ƐHMX): Generalized interpolation material point method simulations of brittle fracture using an elastodamage model derived from molecular dynamics. *International Journal of Damage Mechanics*, **2017**, 26, 293-313	3	12
130	Effect of hydrogenation and curvature of rotor on the rotation transmission of a curved nanobearing. *Computational Materials Science*, **2017**, 127, 295-300	3.2	5
129	Multiscale MPM **2017**, 221-229		
128	Applications of the MPM **2017**, 231-263		
127	The Material Point Method **2017**, 37-101		20
126	Coupling of the MPM with FEM **2017**, 143-173		

125	Vibration-Induced Property Change in the Melting and Solidifying Process of Metallic Nanoparticles. *Nanoscale Research Letters*, **2017**, 12, 308	5	4
124	Constitutive Models **2017**, 175-219		0
123	Breathing mode vibrations and elastic properties of single-crystal and penta-twinned gold nanorods. *Physical Chemistry Chemical Physics*, **2016**, 18, 22590-8	3.6	5
122	Generalized interpolation material point method for coupled thermo-mechanical processes. *International Journal of Mechanics and Materials in Design*, **2016**, 12, 577-595	2.5	13
121	Concurrence of oscillatory and rotation of the rotors in a thermal nanotube motor. *Computational Materials Science*, **2016**, 120, 94-98	3.2	5
120	Controllable deformation of salt water-filled carbon nanotubes using an electric field with application to molecular sieving. *Nanotechnology*, **2016**, 27, 315702	3.4	10
119	Dynamic response of a carbon nanotube-based rotary nano device with different carbon-hydrogen bonding layout. *Applied Surface Science*, **2016**, 365, 352-356	6.7	9
118	Development of an implicit material point method for geotechnical applications. *Computers and Geotechnics*, **2016**, 71, 159-167	4.4	52
117	Interfacial effect on strengthening nanoscale metallic multilayers - a combined Hall-Petch relation and atomistic simulation study. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2016**, 663, 29-37	5.3	6
116	Melt flow and heat transfer in laser drilling. *International Journal of Thermal Sciences*, **2016**, 107, 141-152	4.1	12
115	Reversible stretching of pre-strained water-filled carbon nanotubes under electric fields. *Microfluidics and Nanofluidics*, **2015**, 18, 1201-1207	2.8	5
114	Effect of the hot electron blast force on ultrafast laser ablation of nickel thin film. *Applied Optics*, **2015**, 54, 1737	1.7	5
113	Reduction of the effect of electron relaxation behavior on the femtosecond laser-induced response of copper thin film by ballistic energy transfer. *International Journal of Thermal Sciences*, **2015**, 93, 21-28	4.1	1
112	Simulation of hard-soft material interaction under impact loading employing the material point method. *Science China Technological Sciences*, **2015**, 58, 763-768	3.5	3
111	Effect of hot electron blast force on ultrafast laser ablation of nickel thin film: erratum **2015**, 54, 3216		
110	Ultrafast laser-excited vibration and elastic modulus of individual gold nanorods. *Optics Letters*, **2015**, 40, 340-3	3	6
109	Recent Advances in Simulating Failure Evolution with the Material Point Method. *Applied Mechanics and Materials*, **2015**, 784, 193-199	0.3	
108	Multiscale simulation of the responses of discrete nanostructures to extreme loading conditions based on the material point method. *Computer Methods in Applied Mechanics and Engineering*, **2015**, 297, 219-238	5.7	16

107	Mesoscale study of particle sedimentation with inertia effect using dissipative particle dynamics. *Microfluidics and Nanofluidics*, **2015**, 18, 1309-1315	2.8	6
106	An SPH model for multiphase flows with complex interfaces and large density differences. *Journal of Computational Physics*, **2015**, 283, 169-188	4.1	117
105	Water filling and electric field-induced enhancement in the mechanical property of carbon nanotubes. *Scientific Reports*, **2015**, 5, 17537	4.9	7
104	Extensional vibration and size-dependent mechanical properties of single-crystal gold nanorods. *Journal of Applied Physics*, **2015**, 118, 164304	2.5	9
103	A stable high-speed rotational transmission system based on nanotubes. *Applied Physics Letters*, **2015**, 106, 021909	3.4	35
102	The Sandia Fracture Challenge: blind round robin predictions of ductile tearing. *International Journal of Fracture*, **2014**, 186, 5-68	2.3	92
101	Improved decohesion modeling with the material point method for simulating crack evolution. *International Journal of Fracture*, **2014**, 186, 177-184	2.3	21
100	A particle-based multiscale simulation procedure within the material point method framework. *Computational Particle Mechanics*, **2014**, 1, 147-158	3	14
99	The tunable mechanical property of water-filled carbon nanotubes under an electric field. *Journal Physics D: Applied Physics*, **2014**, 47, 125302	3	4
98	Effects of copper nanoparticle inclusions on pressure-induced fluid-polynanocrystalline structural transitions in krypton. *Journal of Applied Physics*, **2014**, 116, 233506	2.5	5
97	Finite Element Modelling of Stress-Induced Fracture in Ti-Si-N Films. *Applied Mechanics and Materials*, **2014**, 553, 10-15	0.3	
96	The effect of interface adhesion on buckling and cracking of hard thin films. *Applied Physics Letters*, **2014**, 105, 161912	3.4	7
95	Formation of quasi-icosahedral structures with multi-conjoint fivefold deformation twins in fivefold twinned metallic nanowires. *Applied Physics Letters*, **2013**, 103, 041909	3.4	10
94	Electron relaxation effect on the sub-100-fs laser interaction with gold thin film. *Optics Letters*, **2013**, 38, 2397-400	3	3
93	Molecular dynamics study of neck growth in laser sintering of hollow silver nanoparticles with different heating rates. *Journal Physics D: Applied Physics*, **2013**, 46, 335302	3	35
92	IMPACT-INDUCED BENDING RESPONSE OF SINGLE CRYSTAL AND FIVE-FOLD TWINNED NANOWIRES. *International Journal for Multiscale Computational Engineering*, **2013**, 11, 1-16	2.4	7
91	Numerical study of the mechanical response of turtle shell. *Journal of Bionic Engineering*, **2012**, 9, 330-337	2.7	12
90	The Inverse Hall-Petch effect on the impact response of single crystal copper. *Acta Mechanica Sinica/Lixue Xuebao*, **2012**, 28, 1042-1048	2	5

89	Size effects on the wave propagation and deformation pattern in copper nanobars under symmetric longitudinal impact loading. *Journal Physics D: Applied Physics*, **2012**, 45, 475305	3	7
88	Size effects on the impact response of copper nanobeams. *Journal of Applied Physics*, **2012**, 111, 113512	2.5	13
87	Size and surface effects on the mechanical behavior of nanotubes in first gradient elasticity. *Composites Part B: Engineering*, **2012**, 43, 27-32	10	12
86	Mathematical theory and analytical solutions for the wave catching-up phenomena in a nonlinearly elastic composite bar. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **2012**, 468, 3882-3901	2.4	4
85	Microstructure and mechanical property of turtle shell. *Theoretical and Applied Mechanics Letters*, **2012**, 2, 014009	1.8	14
84	A multiscale material point method for impact simulation. *Theoretical and Applied Mechanics Letters* , **2012**, 2, 051003	1.8	7
83	Numerical study of the impact response of woodpecker's head. *AIP Advances*, **2012**, 2, 042173	1.5	14
82	A simulation study on nanoscale holes generated by gold nanoparticles on negative lipid bilayers. *Langmuir*, **2011**, 27, 8323-32	4	72
81	A Neural-Network Model-Based Engineering Tool for Blast Wall Protection of Structures. *International Journal of Protective Structures*, **2011**, 2, 159-176	1.5	14
80	Simulation Study of Aggregations of Monolayer-Protected Gold Nanoparticles in Solvents. *Journal of Physical Chemistry C*, **2011**, 115, 18991-18998	3.8	53
79	An Analytical Study on the Post-Peak Structural Response. *Journal of Applied Mechanics, Transactions ASME*, **2011**, 78,	2.7	2
78	Loading path effect on the mechanical behaviour and fivefold twinning of copper nanowires. *Journal Physics D: Applied Physics*, **2010**, 43, 335402	3	14
77	Penetration of lipid membranes by gold nanoparticles: insights into cellular uptake, cytotoxicity, and their relationship. *ACS Nano*, **2010**, 4, 5421-9	16.7	479
76	A Coupled MPM-FDM Analysis Method for Multi-Phase Elasto-Plastic Soils. *Soils and Foundations*, **2010**, 50, 515-532	2.9	24
75	An equation of state for the detonation product of copper oxide/aluminum nanothermite composites. *Journal of Nanoparticle Research*, **2010**, 12, 719-726	2.3	18
74	The effect of calcium phosphate nanoparticles on hormone production and apoptosis in human granulosa cells. *Reproductive Biology and Endocrinology*, **2010**, 8, 32	5	32
73	Molecular Dynamics Study of the Specimen Size and Imperfection Effects on the Failure Responses of Multi-Nanobar Structures. *International Journal for Multiscale Computational Engineering*, **2010**, 8, 181-194	2.4	3
72	Loading History Effect on Size-Dependent Shear Strength of Pure and Nitrogen-Doped Ultrananocrystalline Diamond. *Mechanics of Advanced Materials and Structures*, **2009**, 16, 504-515	1.8	1

71	An analytical study of the instability of a superelastic shape memory alloy cylinder subject to practical boundary conditions. *Smart Materials and Structures*, **2009**, 18, 024007	3.4	8
70	Strengthening and toughening by interface-mediated slip transfer reaction in nanotwinned copper. *Scripta Materialia*, **2009**, 60, 508-511	5.6	50
69	Roles of grain boundary and dislocations at different deformation stages of nanocrystalline copper under tension. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2009**, 373, 570-574	2.3	32
68	Torsional properties of metallic nanosprings. *Acta Mechanica Solida Sinica*, **2009**, 22, 657-664	2	2
67	Material point method for dynamic analysis of saturated porous media under external contact/impact of solid bodies. *Computer Methods in Applied Mechanics and Engineering*, **2009**, 198, 1456-1472	5.7	84
66	A numerical study of the imperfection effect on ultrananocrystalline diamond properties under different loading paths and temperatures. *Composites Science and Technology*, **2009**, 69, 2075-2080	8.6	6
65	A study of mechanical properties of pure and nitrogen-doped ultrananocrystalline diamond films under various loading conditions. *International Journal of Solids and Structures*, **2009**, 46, 811-823	3.1	10
64	Atomistic study of the mechanical response of copper nanowires under torsion. *Journal Physics D: Applied Physics*, **2009**, 42, 135408	3	45
63	An investigation of combined size, rate and thermal effects on the material properties of single crystal diamond. *International Journal of Materials and Product Technology*, **2009**, 34, 111	1	1
62	Deformation and Stability of Copper Nanowires under Bending. *International Journal for Multiscale Computational Engineering*, **2009**, 7, 205-215	2.4	12
61	Formation of two conjoint fivefold deformation twins in copper nanowires with molecular dynamics simulation. *Applied Physics Letters*, **2008**, 92, 041913	3.4	24
60	A study of the zona piercing process in piezodriven intracytoplasmic sperm injection. *Journal of Applied Physics*, **2008**, 104, 044702	2.5	13
59	The loading history and crystal orientation effects on the size-dependency of single crystal diamond properties. *Computational Mechanics*, **2008**, 42, 619-629	4	4
58	Biosorption of nickel and copper onto treated alga (Undaria pinnatifida): application of isotherm and kinetic models. *Journal of Hazardous Materials*, **2008**, 155, 327-33	12.8	185
57	On constructing the analytical solutions for localizations in a slender cylinder composed of an incompressible hyperelastic material. *International Journal of Solids and Structures*, **2008**, 45, 2613-2628	3.1	11
56	Analytical and Numerical Study of the Size Effect on the Failure Response of Hierarchical Structures. *International Journal for Multiscale Computational Engineering*, **2008**, 6, 339-348	2.4	5
55	A combined stochastic diffusion and mean-field model for grain growth. *Interaction and Multiscale Mechanics*, **2008**, 1, 369-379		
54	An investigation of the combined size and rate effects on the mechanical responses of FCC metals. *International Journal of Solids and Structures*, **2007**, 44, 1180-1195	3.1	32

53	An investigation of grain size and nitrogen-doping effects on the mechanical properties of ultrananocrystalline diamond films. *International Journal of Solids and Structures*, **2007**, 44, 3379-3392	3.1	17
52	A study of the loading path and crystal orientation effects on size-dependent limit strength. *Engineering Fracture Mechanics*, **2007**, 74, 1190-1202	4.2	8
51	Discontinuous Bifurcation Analysis of a Coupled Rate-Dependent Damage and Plasticity Model for Impact Responses. *Journal of Engineering Mechanics - ASCE*, **2007**, 133, 970-980	2.4	1
50	A Numerical Study of Combined Rate, Size and Thermal Effects on the Responses of Ultrananocrystalline Diamond. *Key Engineering Materials*, **2007**, 334-335, 621-624	0.4	2
49	Generation of fast propagating combustion and shock waves with copper oxide/aluminum nanothermite composites. *Applied Physics Letters*, **2007**, 91, 243109	3.4	106
48	Recent Advances in Multiscale Simulation of UNCD Strength **2007**, 361-361		
47	Combined Stochastic Diffusion and Mean-Field Model for Grain Growth **2007**, 234-234		
46	A PC-Based Tool for Coupled CFD and CSD Simulation of Blast-Barrier Responses **2006**, 1		
45	Grain growth as a stochastic and curvature-driven process. *Philosophical Magazine Letters*, **2006**, 86, 787-794	1	3
44	Monte Carlo simulation of grain growth in two-phase nanocrystalline materials. *Applied Physics Letters*, **2006**, 88, 144103	3.4	20
43	A Numerical Study of the Size and Rate Effects on the Mechanical Response of Single Crystal Diamond and UNCD Films. *International Journal of Damage Mechanics*, **2006**, 15, 169-195	3	16
42	Model-based simulation of the synergistic effects of blast and fragmentation on a concrete wall using the MPM. *International Journal of Impact Engineering*, **2006**, 32, 2066-2096	4	45
41	Model-based simulation of normal grain growth in a two-phase nanostructured system. *Science and Technology of Advanced Materials*, **2006**, 7, 812-818	7.1	8
40	A multi-scale simulation of tungsten film delamination from silicon substrate. *International Journal of Solids and Structures*, **2005**, 42, 5036-5056	3.1	16
39	A bifurcation-based decohesion model for simulating the transition from localization to decohesion with the MPM. *Zeitschrift Fur Angewandte Mathematik Und Physik*, **2005**, 56, 908-930	1.6	22
38	A study of the failure wave phenomenon in glasses compressed at different levels. *Journal of Applied Physics*, **2005**, 98, 113523	2.5	20
37	Study of the Combined Temperature, Rate, and Size Effects on the Tungsten Crystalline Block Strength. *Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems*, **2005**, 219, 111-122		
36	A Model-based Simulation Procedure for the Evolution of Tertiary Creep with Combined Damage Diffusion and Viscoplasticity. *International Journal of Damage Mechanics*, **2005**, 14, 149-163	3	3

35	An investigation of the effect of interfacial atomic potential on the stress transition in thin films. *Modelling and Simulation in Materials Science and Engineering*, **2004**, 12, S347-S369	2	24
34	Two- and Three-Dimensional Ordered Structures of Hollow Silver Spheres Prepared by Colloidal Crystal Templating. *Advanced Materials*, **2004**, 16, 417-422	24	129
33	A Study of the Failure Wave Phenomenon in Brittle Materials. *AIP Conference Proceedings*, **2004**,	0	6
32	A computational model for impact failure with shear-induced dilatancy. *International Journal for Numerical Methods in Engineering*, **2003**, 56, 1979-1997	2.4	26
31	A multi-mesh MPM for simulating the meshing process of spur gears. *Computers and Structures*, **2003**, 81, 1991-2002	4.5	41
30	Rate-Dependent Transition From Thermal Softening to Hardening in Elastomers. *Journal of Applied Mechanics, Transactions ASME*, **2003**, 70, 611-612	2.7	4
29	Bifurcation Analyses of Steel and Concrete with Rate-Dependent Properties Part Two: Bifurcation Analyses and Demonstration. *Advances in Structural Engineering*, **2002**, 4, 225-232	1.9	
28	Bifurcation Analyses of Steel and Concrete with Rate-Dependent Properties Part One: Model Formulation and Verification. *Advances in Structural Engineering*, **2002**, 4, 217-224	1.9	
27	An evaluation of the MPM for simulating dynamic failure with damage diffusion. *Engineering Fracture Mechanics*, **2002**, 69, 1873-1890	4.2	52
26	Transformation of shock compression pulses in glass due to the failure wave phenomena. *Journal of Applied Physics*, **2002**, 92, 5045-5052	2.5	46
25	An Evaluation of the Material Point Method **2002**,		22
24	Rate-dependent transition from tensile damage to discrete fracture in dynamic brittle failure. *Theoretical and Applied Fracture Mechanics*, **2001**, 35, 229-235	3.7	7
23	A study on the link between coupled plasticity and damage and decohesion for multiscale modelling. *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, **2001**, 215, 259-263	1.3	5
22	Analyical Solutions for Failure Evolution With a Nonlinear Local Damage Model. *Journal of Applied Mechanics, Transactions ASME*, **2001**, 68, 835-843	2.7	1
21	Simulating the evolution of localization based on the diffusion of damage. *International Journal of Solids and Structures*, **2000**, 37, 7465-7479	3.1	5
20	An analytical solution with local elastoplastic models for the evolution of dynamic softening. *International Journal of Solids and Structures*, **2000**, 37, 5855-5872	3.1	4
19	An Analytical and Numerical Study to Simulate the Evolution of Dynamic Failure with Local Elastodamage Models. *International Journal of Damage Mechanics*, **2000**, 9, 305-328	3	4
18	A Study of Localization Problems based on the Transition between Governing Equations. *Advances in Structural Engineering*, **1999**, 2, 289-304	1.9	

17	An analytical and numerical study of failure waves. *International Journal of Solids and Structures*, **1999**, 36, 3977-3991	3.1	17
16	Simulation of geomembrane response to settlement in landfills by using the material point method. *International Journal for Numerical and Analytical Methods in Geomechanics*, **1999**, 23, 1977-1994	4	19
15	A REVIEW ON THE NUMERICAL SOLUTION SCHEMES FOR LOCALIZATION PROBLEMS **1999**, 111-124		
14	Study of Tertiary Creep of Rock Salt. *Journal of Engineering Mechanics - ASCE*, **1997**, 123, 77-82	2.4	17
13	Continuous and Discontinuous Failure Modes. *Journal of Engineering Mechanics - ASCE*, **1996**, 122, 80-82	2.4	21
12	A simple procedure to simulate the failure evolution. *Structural Engineering and Mechanics*, **1996**, 4, 601-612		1
11	A partitioned-modeling approach with moving jump conditions for localization. *International Journal of Solids and Structures*, **1995**, 32, 1893-1905	3.1	16
10	A Partitioned-Modeling Approach for Domain-Transition Problems **1995**, 1721-1726		
9	On nonlocal damage models for interface problems. *International Journal of Solids and Structures*, **1994**, 31, 1241-1261	3.1	24
8	A particle method for history-dependent materials. *Computer Methods in Applied Mechanics and Engineering*, **1994**, 118, 179-196	5.7	769
7	A semi-analytical solution procedure for predicting damage evolution at interfaces. *International Journal for Numerical and Analytical Methods in Geomechanics*, **1993**, 17, 807-819	4	7
6	A Partitioned-Solution Method with Moving Boundaries for Nonlocal Plasticity **1993**, 449-468		7
5	Secant structural solution strategies under element constraint for incremental damage. *Computer Methods in Applied Mechanics and Engineering*, **1991**, 90, 869-884	5.7	17
4	A numerical solution scheme for softening problems involving total strain control. *Computers and Structures*, **1990**, 37, 1043-1050	4.5	29
3	Simulation of Soil-Concrete Interfaces with Nonlocal Constitutive Models. *Journal of Engineering Mechanics - ASCE*, **1987**, 113, 1665-1677	2.4	34
2	One-Dimensional Softening With Localization. *Journal of Applied Mechanics, Transactions ASME*, **1986**, 53, 791-797	2.7	156
1	Formulation and computational aspects of plasticity and damage models with application to quasi-brittle materials		8