CITATION REPORT List of articles citing



DOI: 10.1061/(asce)0733-9399(2000)126:9(944)
Journal of Engineering Mechanics - ASCE, 2000, 126, 944-953.

Source: https://exaly.com/paper-pdf/32126594/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
217	Large-Strain Generalization of Microplane Model for Concrete and Application. <i>Journal of Engineering Mechanics - ASCE</i> , 2000 , 126, 971-980	2.4	65
216	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
215	Microplane Model M4 for Concrete. II: Algorithm and Calibration. <i>Journal of Engineering Mechanics - ASCE</i> , 2000 , 126, 954-961	2.4	87
214	Fracturing Rate Effect and Creep in Microplane Model for Dynamics. <i>Journal of Engineering Mechanics - ASCE</i> , 2000 , 126, 962-970	2.4	87
213	Size Effect in Concrete Columns: Finite-Element Analysis with Microplane Model. 2001 , 127, 1382-1390		18
212	A thermodynamically consistent approach to microplane theory. Part I. Free energy and consistent microplane stresses. <i>International Journal of Solids and Structures</i> , 2001 , 38, 2921-2931	3.1	83
211	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
210	Local plastic surfaces for cracking and crushing in concrete. 2002 , 216, 257-266		
209	Tripartite Cohesive Crack Model. <i>Journal of Engineering Mechanics - ASCE</i> , 2002 , 128, 644-653	2.4	9
208	Localization Analysis of Reinforced Concrete Members with Softening Behavior. 2002 , 128, 1148-1157		15
207	Vertex Effect in Strain-Softening Concrete at Rotating Principal Axes. <i>Journal of Engineering Mechanics - ASCE</i> , 2002 , 128, 24-33	2.4	30
206	Lateral Confinement Needed to Suppress Softening of Concrete in Compression. <i>Journal of Engineering Mechanics - ASCE</i> , 2002 , 128, 1304-1313	2.4	17
205	Continuous Relaxation Spectrum for Concrete Creep and its Incorporation into Microplane Model M4. <i>Journal of Engineering Mechanics - ASCE</i> , 2002 , 128, 1331-1336	2.4	22
204	Nonlocal Integral Formulations of Plasticity and Damage: Survey of Progress. <i>Journal of Engineering Mechanics - ASCE</i> , 2002 , 128, 1119-1149	2.4	843
203	Coupled damage and plasticity modelling in transient dynamic analysis of concrete. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2002 , 26, 1-24	4	81
202	ATENA 🖟 tool for engineering analysis of fracture in concrete. 2002 , 27, 485-492		65
201	Modelling triaxial compression using the Microplane formulation for low confinement. 2002 , 80, 919-93	34	9

200	Microplane models: computational aspects and proposed parallel algorithm. 2002, 80, 2099-2108		10
199	Three-dimensional constitutive model for shape memory alloys based on microplane model. <i>Journal of the Mechanics and Physics of Solids</i> , 2002 , 50, 1051-1077	5	133
198	Concrete fracture models: testing and practice. 2002 , 69, 165-205		350
197	Numerical study of mixed-mode fracture in concrete. 2002 , 118, 145-162		37
196	Microplane constitutive model for porous isotropic rocks. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2003 , 27, 25-47	4	32
195	Craft plastic-damage-contact model for concrete. I. Model theory and thermodynamic considerations. <i>International Journal of Solids and Structures</i> , 2003 , 40, 5973-5999	3.1	56
194	Inelastic behavior modelling of concrete in low and high strain rate dynamics. 2003, 81, 1287-1299		36
193	Confinement-Shear Lattice Model for Concrete Damage in Tension and Compression: I. Theory. Journal of Engineering Mechanics - ASCE, 2003, 129, 1439-1448	2.4	209
192	A comparison of damage models formulated on different material scales. 2003 , 28, 749-762		27
191	Computational Modeling of Concrete Structures. 2003, 541-606		4
190	Decontamination of Radionuclides from Concrete by Microwave Heating. II: Computations. <i>Journal of Engineering Mechanics - ASCE</i> , 2003 , 129, 785-792	2.4	16
189	Decontamination of Radionuclides from Concrete by Microwave Heating. I: Theory. <i>Journal of Engineering Mechanics - ASCE</i> , 2003 , 129, 777-784	2.4	28
188	3D Smeared Fracture FE-Analysis of Concrete Structures. 2003 , 7, 659-678		1
187	Effect of Stirrups on Behavior of Normal and High Strength Concrete Columns. 2004, 44,		1
186	Experimental investigation and numerical simulation of post-peak behavior and size effect of reinforced concrete columns. 2004 , 37, 161-169		30
185	A framework for microplane models at large strain, with application to hyperelasticity. <i>International Journal of Solids and Structures</i> , 2004 , 41, 511-557	3.1	41
184	Concrete under complex loading: mesomechanical model of deformation and of cumulative damage. 2004 , 23, 63-75		8
183	Nonlocal microplane model with strain-softening yield limits. <i>International Journal of Solids and Structures</i> , 2004 , 41, 7209-7240	3.1	69

182	Scaling theory for quasibrittle structural failure. 2004 , 101, 13400-7	164
181	A numerical model for reinforced concrete structures. <i>International Journal of Solids and Structures</i> , 2005 , 42, 1327-1354	110
180	Equivalent localization element for crack band approach to mesh-sensitivity in microplane model. 2005 , 62, 700-726	49
179	InstationEes 3D Thermo-mechanisches Modell fE Beton. 2005 , 100, 39-51	15
178	Ein dreiaxiales Stoffgesetz f Betone mit normaler und hoher Festigkeit. 2005 , 100, 52-62	6
177	Schnelle Schlichtung statt langer Prozesse. 2005 , 100, 62-62	
176	Effect of transversal reinforcement in normal and high strength concrete columns. 2005, 38, 665-671	17
175	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	53
174	Bibliography. 2005 , 269-312	
173	Microplane modeling of sand behavior under non-proportional loading. 2006 , 33, 177-187	14
173 172	Microplane modeling of sand behavior under non-proportional loading. 2006 , 33, 177-187 Analytical studies on creep of sealed concrete under multiaxial stresses using a microplane model. 2006 , 58, 9-20	3
	Analytical studies on creep of sealed concrete under multiaxial stresses using a microplane model.	
172	Analytical studies on creep of sealed concrete under multiaxial stresses using a microplane model. 2006 , 58, 9-20	
172 171	Analytical studies on creep of sealed concrete under multiaxial stresses using a microplane model. 2006 , 58, 9-20 Preface. 2006 , 137, 1-7	3
172 171 170	Analytical studies on creep of sealed concrete under multiaxial stresses using a microplane model. 2006, 58, 9-20 Preface. 2006, 137, 1-7 Dreiaxiale Stoffgesetze ff Beton Grundlagen, Formulierungen, Anwendungen. 2006, 101, 175-186 An efficient three-dimensional solid finite element dynamic analysis of reinforced concrete	3
172 171 170 169	Analytical studies on creep of sealed concrete under multiaxial stresses using a microplane model. 2006, 58, 9-20 Preface. 2006, 137, 1-7 Dreiaxiale Stoffgesetze ffi Beton [Grundlagen, Formulierungen, Anwendungen. 2006, 101, 175-186 An efficient three-dimensional solid finite element dynamic analysis of reinforced concrete structures. 2006, 35, 137-157	3 32
172 171 170 169 168	Analytical studies on creep of sealed concrete under multiaxial stresses using a microplane model. 2006, 58, 9-20 Preface. 2006, 137, 1-7 Dreiaxiale Stoffgesetze fil Beton © Grundlagen, Formulierungen, Anwendungen. 2006, 101, 175-186 An efficient three-dimensional solid finite element dynamic analysis of reinforced concrete structures. 2006, 35, 137-157 Microplane constitutive model and computational framework for blood vessel tissue. 2006, 128, 419-27	3 3 32 28

164	Hyperelastic anisotropic microplane constitutive model for annulus fibrosus. 2007, 129, 632-41		30
163	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
162	Modeling Cross Anisotropy in Granular Materials. <i>Journal of Engineering Mechanics - ASCE</i> , 2007 , 133, 919-932	2.4	15
161	Micro-mechanical damage and rough crack closure in cementitious composite materials. International Journal for Numerical and Analytical Methods in Geomechanics, 2007, 31, 133-146	4	18
160	Interplay of size effects in concrete specimens under tension studied via computational stochastic fracture mechanics. <i>International Journal of Solids and Structures</i> , 2007 , 44, 2715-2731	3.1	46
159	A symmetric over-nonlocal microplane model M4 for fracture in concrete. <i>International Journal of Solids and Structures</i> , 2007 , 44, 4418-4441	3.1	42
158	Three dimensional combined fractureplastic material model for concrete. 2008 , 24, 2192-2220		209
157	Computational modeling of size effects in concrete specimens under uniaxial tension. 2008 , 154, 27-49		32
156	Experimental and numerical investigation of the axial behavior of connection in cfst diagrid structures. 2008 , 13, 108-113		13
155	On the mathematical and thermodynamical descriptions of strain equivalence based anisotropic damage model. 2008 , 40, 377-400		12
154	Role of micromechanics features on stress-level dependency of cross-anisotropic elastic moduli in granular soils. 2008 , 35, 265-277		4
153	A model for deformation and fragmentation in crushable brittle solids. 2008 , 35, 269-289		48
152	Spectral Stiffness Microplane Model for Quasibrittle Composite LaminatesPart I: Theory. 2008 , 75, 021009		28
151	Spectral Stiffness Microplane Model for Quasibrittle Composite Laminates P art II: Calibration and Validation. 2008 , 75,		14
150	Large-Scale Parallel Computation Methodologies for Highly Nonlinear Concrete and Soil Applications. 2008 , 22, 140-146		19
149	Characterization and Modeling of Pores and Surfaces in Cement Paste. 2008 , 6, 5-29		145
148	Numerical Model for Time-Dependent Fracturing of Concrete. <i>Journal of Engineering Mechanics - ASCE</i> , 2009 , 135, 632-640	2.4	39
147	A multilaminate framework for modelling induced and inherent anisotropy of soils. 2009 , 59, 87-101		34

146	An alternative approach to microplane theory. 2009 , 41, 87-105	13
145	Numerical analysis of the early age behavior of concrete structures with a hydration based microplane model. 2009 , 87, 1085-1101	25
144	Integrale Konstruktionen aus Beton. 2009 , 231-370	10
143	Using Microplane Material Model for Concrete in Soft Missile Impact Analysis. 2010,	
142	Numerical Modelling of Shear Crack Angles in Frp Shear-Strengthened Reinforced Concrete Beams. 2010 , 11, 87-101	1
141	Inverse identification of creep of concrete from in situ loaddisplacement monitoring. 2010 , 32, 1437-1445	8
140	Deformation, fracture, and fragmentation in brittle geologic solids. 2010 , 163, 151-172	53
139	Size Effect in Thermally Damaged Concrete. <i>International Journal of Damage Mechanics</i> , 2010 , 19, 631-656	24
138	Micromechanical Modeling for Inherent Anisotropy in Granular Materials. <i>Journal of Engineering Mechanics - ASCE</i> , 2010 , 136, 830-839	55
137	Size Effects for Reinforced Concrete Beams Strengthened in Shear with CFRP Strips. 2010 , 14, 260-271	46
136	Modeling of Reinforced Concrete Slabs Strengthened with Fiber-Reinforced Polymer or Steel Plates. <i>ACI Structural Journal</i> , 2010 , 107,	
135	Modified Microplane Model for Reinforced Concrete under Static and Dynamic Loadings. <i>Journal of Engineering Mechanics - ASCE</i> , 2011 , 137, 635-647	2
134	Mesoscale finite element prediction of concrete failure. 2011 , 50, 1973-1990	63
133	Multiscale Modeling of Concrete. 2011 , 18, 341-393	154
132	Reliable second-order hexahedral elements for explicit methods in nonlinear solid dynamics. 2011 , 85, 1073-1102	15
131	Strain-rate effects on concrete behavior. 2011 , 38, 162-170	133
130	Multiscale modeling and characterization of granular matter: From grain kinematics to continuum mechanics. <i>Journal of the Mechanics and Physics of Solids</i> , 2011 , 59, 237-250	126
129	A Dynamic Elastic-Plastic Microplane Constitutive Model for Steel Fiber Reinforced Concrete. 2011 , 261-263, 421-425	

128	Can Stirrups Suppress Size Effect on Shear Strength of RC Beams?. 2011 , 137, 607-617	54
127	Lattice Discrete Particle Model for Fiber-Reinforced Concrete. I: Theory. <i>Journal of Engineering Mechanics - ASCE</i> , 2012 , 138, 826-833	81
126	An Improved Method to Calculate the Direction and Weight in Microplane Constitutive Model. 2012 , 238, 121-128	
125	A Simple Circular Cell Method for Multilevel Finite Element Analysis. 2012 , 2012, 1-15	15
124	GENERATING PENETRATION RESISTANCE FUNCTIONS WITH A VIRTUAL PENETRATION LABORATORY (VPL): APPLICATIONS TO PROJECTILE PENETRATION AND STRUCTURAL RESPONSE SIMULATIONS. 2012 , 12, 1250024	
123	Multi-scale EFG model for Simulating Concrete Material. 2012 , 8, 113-120	1
122	Advances in Multiscale modeling and characterization of granular matter. 2012, 3, 157-171	3
121	Granular element method (GEM): linking inter-particle forces with macroscopic loading. 2012 , 14, 51-61	32
120	A new generalized Drucker Prager flow rule for concrete under compression. 2013, 56, 2076-2082	15
119	Microplane Model M7 for Plain Concrete. I: Formulation. <i>Journal of Engineering Mechanics - ASCE</i> , 2013 , 139, 1714-1723	95
118	Microplane constitutive model M4L for concrete. I: Theory. 2013 , 128, 219-229	7
117	Microplane constitutive model M4L for concrete. II: Calibration and validation. 2013 , 128, 146-159	5
116	Solidification thicroprestress thicroplane (SMM) theory for concrete at early age: Theory, validation and application. <i>International Journal of Solids and Structures</i> , 2013 , 50, 957-975	72
115	Microplane model M7f for fiber reinforced concrete. 2013 , 105, 41-57	41
114	Assessing the residual fracture properties of thermally damaged high strength concrete. 2013 , 64, 27-43	12
113	Modelling the response of concrete structures from strain rate effects to shock induced loading. 2013 , 295-340e	2
112	Behavior of Reinforced Concrete Elements Subjected to Tri-Directional Shear Stresses. 2013 , 203-225	
111	Bibliography. 2014 , 325-331	

110	. 2014,		5
109	Elastic-Brittle Fraction Model for Robust Post-Peak Analysis of Masonry Structures. 2014 , 624, 27-39		1
108	Numerical Modeling of Shear Strengthened Reinforced Concrete Beams Using Different Systems. 2014 , 18, 04013031		6
107	High-Order Microplane Theory for Quasi-Brittle Materials with Multiple Characteristic Lengths. <i>Journal of Engineering Mechanics - ASCE</i> , 2014 , 140, 04014046	2.4	35
106	Fracture and Size Effect on Strength of Plain Concrete Disks under Biaxial Flexure Analyzed by Microplane Model M7. <i>Journal of Engineering Mechanics - ASCE</i> , 2014 , 140, 604-613	2.4	9
105	Discrete modeling of ultra-high-performance concrete with application to projectile penetration. 2014 , 65, 13-32		84
104	Soft computing-based calibration of microplane M4 model parameters: Methodology and validation. 2014 , 72, 226-235		10
103	Effect of Stress Singularity Magnitude on Scaling of Strength of Quasi-Brittle Structures. <i>Journal of Engineering Mechanics - ASCE</i> , 2014 , 140, 04014011	2.4	6
102	Impact comminution of solids due to local kinetic energy of high shear strain rate: IIMicroplane model and verification. <i>Journal of the Mechanics and Physics of Solids</i> , 2014 , 64, 236-248	5	19
101	Simple and Effective Approach for Polar Decomposition of the Deformation Gradient Tensor. Journal of Engineering Mechanics - ASCE, 2014 , 140, 04014019	2.4	
100	A thermodynamically-consistent microplane model for shape memory alloys. <i>International Journal of Solids and Structures</i> , 2014 , 51, 2666-2675	3.1	32
99	Microplane damage model for jointed rock masses. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2014 , 38, 1431-1452	4	14
98	Regularization of microplane damage models using an implicit gradient enhancement. <i>International Journal of Solids and Structures</i> , 2014 , 51, 3480-3489	3.1	31
97	Analytical and numerical comparison of discrete damage models with induced anisotropy. 2014 , 121-122, 28-39		5
96	Numerical and Experimental Study of Creep and Shrinkage in a High-Performance Concrete. 2015 ,		2
95	Hysteresis from Multiscale Porosity: Modeling Water Sorption and Shrinkage in Cement Paste. 2015 , 3,		84
94	Die Nachause von Betech-Eliza (Tastrahasikung der Nachausen aus einblisie 2015 010 004		4
	Die Nachrechnung von Betonbräken [Fortschreibung der Nachrechnungsrichtlinie. 2015 , 819-904		4

(2016-2015)

92	Strain-rate-dependent microplane model for high-rate comminution of concrete under impact based on kinetic energy release theory. 2015 , 471, 20150535		6
91	Numerical implementation of constitutive model for arterial layers with distributed collagen fibre orientations. 2015 , 18, 816-28		6
90	Viscous energy dissipation of kinetic energy of particles comminuted by high-rate shearing in projectile penetration, with potential ramification to gas shale. 2015 , 193, 77-85		6
89	A nonlinear anisotropic elasticIhelastic constitutive model for polycrystalline ceramics and minerals with application to boron carbide. <i>International Journal of Solids and Structures</i> , 2015 , 64-65, 191-207	3.1	31
88	Questioning numerical integration methods for microsphere (and microplane) constitutive equations. 2015 , 89, 216-228		41
87	Microplane damage model for fatigue of quasibrittle materials: Sub-critical crack growth, lifetime and residual strength. 2015 , 70, 93-105		32
86	Numerical Investigation of the Shear Strength of RC Deep Beams Using the Microplane Model. 2016 , 142, 04016077		6
85	Nonlinear finite element analysis of fibre-reinforced polymer/concrete joints. 2016 , 19, 1604-1619		
84	Spectral stiffness microplane model for damage and fracture of textile composites. <i>Composite Structures</i> , 2016 , 137, 170-184	5.3	23
83	Recent Advances in Global Fracture Mechanics of Growth of Large Hydraulic Crack Systems in Gas or Oil Shale: A Review. 2016 , 435-460		2
82	Microplane Model for Concrete: Part I - State of the Art. 2016 , 847, 95-105		
81	Dynamische Eigenschaften von Beton im Experiment und in der Simulation. 2016 , 111, 41-50		10
80	A strain-hardening microplane damage model for thin-walled textile-reinforced concrete shells, calibration procedure, and experimental validation. <i>Composite Structures</i> , 2016 , 152, 913-928	5.3	18
79	Structural response of thin-walled circular steel tubular columns filled with demolished concrete lumps and fresh concrete. 2016 , 129, 216-242		35
78	Asymptotic expansion homogenization of discrete fine-scale models with rotational degrees of freedom for the simulation of quasi-brittle materials. <i>Journal of the Mechanics and Physics of Solids</i> , 2016 , 88, 320-345	5	48
77	An implicit gradient formulation for microplane Drucker-Prager plasticity. 2016 , 83, 252-272		33
76	Microplane-Triad Model for Elastic and Fracturing Behavior of Woven Composites. 2016 , 83,		21
75	Microplane triad model for simple and accurate prediction of orthotropic elastic constants of woven fabric composites. 2016 , 50, 1247-1260		30

74	A damage analysis for brittle materials using stochastic micro-structural information. 2016 , 57, 371-385		5
73	Lattice discrete particle modeling of fiber reinforced concrete: Experiments and simulations. 2016 , 57, 85-107		30
72	A review of constitutive models and modeling techniques for shape memory alloys. 2016 , 76, 244-284		195
71	An anisotropic gradient damage model based on microplane theory. <i>International Journal of Damage Mechanics</i> , 2016 , 25, 336-357	3	10
70	A thermodynamically consistent framework to couple damage and plasticity microplane-based formulations for fracture modeling: development and algorithmic treatment. 2017 , 203, 115-134		9
69	Micromechanics of elastoplastic porous polycrystals: Theory, algorithm, and application to osteonal bone. 2017 , 91, 238-267		31
68	A multiscale framework for the simulation of the anisotropic mechanical behavior of shale. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2017 , 41, 1494-1522	4	38
67	Elastic Microplane Formulation for Transversely Isotropic Materials. 2017, 84,		7
66	A lattice discrete particle model for pressure-dependent inelasticity in granular rocks. 2017 , 91, 49-58		16
65	Fabric assessment of damaged anisotropic geo-materials using the multi-laminate model. 2017 , 91, 90-1	103	2
64	Numerical investigation of statistical variation of concrete damage properties between scales. 2017 , 208, 97-113		1
63	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
62	Multi-laminate non-coaxial modelling of anisotropic sand behavior through damage formulation. 2017 , 88, 18-31		5
61	Simulation of concrete failure and fiber reinforced polymer fracture in confined columns with different cross sectional shape. <i>International Journal of Solids and Structures</i> , 2017 , 108, 216-229	3.1	43
60	Numerical aspects of microplane constitutive models for concrete. 2017 , 41, 530-548		3
59	A gradient enhanced plasticitydamage microplane model for concrete. 2018 , 62, 1239-1257		34
58	Towards practical multiscale approach for analysis of reinforced concrete structures. 2018 , 62, 685-700		3
57	Hyper-elastoplastic/damage modeling of rock with application to porous limestone. <i>International Journal of Solids and Structures</i> , 2018 , 143, 218-231	3.1	24

56	Damage evaluation of ultra-high performance concrete columns after blast loads. 2018, 9, 44-64		10
55	A continuum model for concrete informed by mesoscale studies. <i>International Journal of Damage Mechanics</i> , 2018 , 27, 1451-1481	3	8
54	Numerical modeling of mechanical regain due to self-healing in cement based composites. 2018 , 86, 190-205		21
53	Research on the Influence Rule of Ultrasonic Vibration Time on Granite Damage. 2018 , 54, 751-762		5
52	Ultra-high performance concrete columns. 2018 , 215-282		6
51	Punching Shear Failure of Concrete Ground Supported Slab. 2018 , 12,		21
50	Numerical study on the hard projectile perforation on RC panels with LDPM. 2018, 183, 58-74		11
49	Microplanes and microstructure: Connecting abstractions and reality. 2018 , 200, 42-49		6
48	Modelling of the viscoelastic behaviour with damage induced anisotropy of a plastic-bonded explosive based on the microplane approach. <i>International Journal of Solids and Structures</i> , 2019 , 168, 13-25	3.1	8
47	Anisotropic microplane constitutive model for coupling creep and damage in layered geomaterials such as gas or oil shale. 2019 , 124, 104074		8
46	Finite strain extension of a gradient enhanced microplane damage model for concrete at static and dynamic loading. 2019 , 216, 106501		4
45	Zur Fortentwicklung des Microplane-Modells fildie numerische Analyse von Betonstrukturen. 2019 , 96, 415-423		
44	Effect of high-rate dynamic comminution on penetration of projectiles of various velocities and impact angles into concrete. 2019 , 216, 211-221		8
43	Double cantilever indirect tension testing for fracture of quasibrittle materials. <i>International Journal of Solids and Structures</i> , 2019 , 162, 76-86	3.1	3
42	A microsphere-based material model for open cell metal foams. 2020 , 32, 255-267		7
41	Fictitious Rough Crack Model (FRCM): A Smeared Crack Modelling Approach to Account for Aggregate Interlock and Mixed Mode Fracture of Plain Concrete. 2020 , 13,		7
40	Numerical prediction of the ultimate condition of circular concrete columns confined with a fiber reinforced polymer jacket. <i>Composite Structures</i> , 2020 , 241, 112103	5.3	13
39	Conversion of explicit microplane model with boundaries to a constitutive subroutine for implicit finite element programs. 2021 , 122, 1563-1577		1

38	A comparison of the state of the art models for constitutive modelling of concrete. 2021 , 244, 106426	5
37	Size Effect on Damage Response of Triangular Flexural Test Method. 2021 , 1-30	
36	Multiple cracking model in a 3D GraFEA framework. 2021 , 33, 1409-1428	3
35	Symmetric high order microplane model for damage localization and size effect in quasi-brittle materials. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2021 , 45, 1458-1476	О
34	Bond Behaviour of Near-Surface Mounted Strips in RC Beams-Experimental Investigation and Numerical Simulations. 2021 , 14,	1
33	Investigation of strain-rate and pressure effects for high-strength concrete using a novel large-diameter triaxial Kolsky bar technique. 2021 , 121, 104085	3
32	Anisotropic damage model for concrete and other quasi-brittle materials. <i>International Journal of Solids and Structures</i> , 2021 , 225, 111048	2
31	Granular micromechanics modeling of beams, plates, and shells. <i>Composite Structures</i> , 2021 , 278, 114559;.3	
30	Nonlinear FE Model for RC Shear Walls Based on Multi-Layer Shell Element and Micro-Plane Constitutive Model. 2006 , 204-204	12
29	Elastic-brittle fraction model for concrete and masonry structures. 2014 , 495-501	1
28	Three dimensional finite element simulations of fracture tests using the Craft concrete model. 2004 , 1, 261-284	32
27	Anisotropic damage modelling of biaxial behaviour and rupture of concrete structures. 2008, 5, 417-434	22
26	The virtual penetration laboratory: new developments for projectile penetration in concrete. 2010 , 7, 87-102	3
25	Numerical procedures for extreme impulsive loading on high strength concrete structures. 2010 , 7, 159-167	5
24	The high-rate brittle microplane concrete model: Part I: bounding curves and quasi-static fit to material property data. 2012 , 9, 293-310	11
23	The high-rate brittle microplane concrete model: Part II: application to projectile perforation of concrete slabs. 2012 , 9, 311-325	9
22	Flexural and Interfacial Behavior of Externally Bonded/ Mechanically Fastened Fiber-Reinforced Polymer Strengthened Reinforced Concrete Beams. <i>ACI Structural Journal</i> , 2014 , 111,	14
21	Size Effect in Torsional Strength of Plain and Reinforced Concrete. <i>ACI Structural Journal</i> , 2016 , 113,	7

Micro-macro mechanics of damage and healing in rocks. 2, 1-None 20 16 Analytical Modelling of Eccentrically Loaded Concrete Columns Using the Microplane Formulation. 19 **2001**, 201-206 18 Deformation, fracture, and fragmentation in brittle geologic solids. 2009, 405-426 A Micro-Plane Model for Reinforced Concrete under Static and Dynamic Loadings. 2009, 425-433 17 Self-adaptive Artificial Neural Network in Numerical Models Calibration. Lecture Notes in Computer 16 0.9 Science, 2010, 347-350 Parallel Computing for Non-linear Concrete Modeling. 415-432 15 Thermo-mechanical behavior of shape memory alloy made stent- graft by multi-plane model. 14 0.4 Journal of Numerical Methods in Civil Engineering, **2016**, 1, 21-36 Modeling of inexpensive strengthening technique for RC beams. ACI Structural Journal, 2017, 114, 13 1.7 Microplane model parameters estimation using neural networks. 2006, 609-609 12 New approach for computing damage parameters evolution in plastic damage model for concrete. 11 2.7 Case Studies in Construction Materials, 2022, 16, e00834 Application of Potential Based Cohesive Model for Analysis of Concrete Fracture. Lecture Notes of 10 the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2022, 15-26 A gradient enhanced transversely isotropic damage plasticity model for rock - formulation and comparison of different approaches. International Journal for Numerical and Analytical Methods in \circ Geomechanics, Size Effect on Damage Response of Triangular Flexural Test Method. 2022, 167-196 An extended gradient-enhanced damage-plasticity model for concrete considering nonlinear creep 3.1 1 and failure due to creep. International Journal of Solids and Structures, 2022, 243, 111541 Cylindrical microplane model for compressive kink band failures and combined friction/inelasticity 6 5.3 \circ in fiber composites I: Formulation. *Composite Structures*, **2022**, 289, 115382 A review of continuum damage and plasticity in concrete: Part I Theoretical framework. 3 7 International Journal of Damage Mechanics, 105678952110681 Adding multi-material regions embracing the tip leads to significant capacity increase in structures weakened by V-notches under antiplane shear and torsion. International Journal of Solids and 3.1 Structures, 2022, 250, 111704 Simulating concrete failure using the Microplane (M7) constitutive model in correspondence-based peridynamics: Validation for classical fracture tests and extension to discrete fracture. Journal of the Mechanics and Physics of Solids, 2022, 166, 104947

Reduced quadrature for Finite Element and Isogeometric methods in nonlinear solids. *Computer Methods in Applied Mechanics and Engineering*, **2022**, 399, 115389

5.7 O

References. **2022**, 407-415

Ο