

# Ren de Borst

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/4050987/rene-de-borst-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. 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.

306  
papers

14,336  
citations

67  
h-index

113  
g-index

335  
ext. papers

15,748  
ext. citations

3  
avg, IF

6.86  
L-index

#	Paper	IF	Citations
306	Determination of representative volume element size for a magnetorheological elastomer. <i>Computational Materials Science</i> , <b>2022</b> , 203, 111070	3.2	1
305	Unequal order T-spline meshes for fracture in poroelastic media. <i>Journal of Mechanics</i> , <b>2021</b> , 37, 669-679		0
304	Convergence in non-associated plasticity and fracture propagation for standard, rate-dependent, and Cosserat continua. <i>International Journal for Numerical Methods in Engineering</i> , <b>2021</b> , 122, 777-795	2.4	4
303	The use of Powell-Sabin B-Splines in a higher-order phase-field model for crack kinking. <i>Computational Mechanics</i> , <b>2021</b> , 67, 127-137	4	2
302	Stick-slip like behavior in shear fracture propagation including the effect of fluid flow. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , <b>2021</b> , 45, 965-989	4	1
301	X-IGALME: Isogeometric analysis extended with local maximum entropy for fracture analysis. <i>International Journal for Numerical Methods in Engineering</i> , <b>2021</b> , 122, 6103	2.4	1
300	Modeling Lithospheric Deformation Using a Compressible Visco-Elasto-Viscoplastic Rheology and the Effective Viscosity Approach. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2021</b> , 22, e2021GC009675	3.6	4
299	Geometrically nonlinear extended isogeometric analysis for cohesive fracture with applications to delamination in composites. <i>Finite Elements in Analysis and Design</i> , <b>2021</b> , 191, 103527	2.2	3
298	A refined two-scale model for Newtonian and non-Newtonian fluids in fractured poroelastic media. <i>Journal of Computational Physics</i> , <b>2021</b> , 441, 110424	4.1	0
297	Phase-field modelling of cohesive fracture. <i>European Journal of Mechanics, A/Solids</i> , <b>2021</b> , 90, 104343	3.7	2
296	Extended isogeometric analysis for cohesive fracture. <i>International Journal for Numerical Methods in Engineering</i> , <b>2020</b> , 121, 4584	2.4	3
295	Adaptive isogeometric analysis for phase-field modeling of anisotropic brittle fracture. <i>International Journal for Numerical Methods in Engineering</i> , <b>2020</b> , 121, 4630	2.4	2
294	Phase-field modeling of crack branching and deflection in heterogeneous media. <i>Engineering Fracture Mechanics</i> , <b>2020</b> , 232, 107004	4.2	19
293	Considerations on a phase-field model for adhesive fracture. <i>International Journal for Numerical Methods in Engineering</i> , <b>2020</b> , 121, 2946-2963	2.4	2
292	Toward Robust and Predictive Geodynamic Modeling: The Way Forward in Frictional Plasticity. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2019GL086027	4.9	10
291	On viscoplastic regularisation of strain-softening rocks and soils. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , <b>2020</b> , 44, 890-903	4	15
290	Sub-grid models for multiphase fluid flow inside fractures in poroelastic media. <i>Journal of Computational Physics</i> , <b>2020</b> , 414, 109481	4.1	2

289	A convergence study of monolithic simulations of flow and deformation in fractured poroelastic media. <i>International Journal for Numerical Methods in Engineering</i> , <b>2020</b> , 121, 393-410	2.4	1
288	Mesh bias and shear band inclination in standard and non-standard continua. <i>Archive of Applied Mechanics</i> , <b>2019</b> , 89, 2577-2590	2.2	7
287	Isogeometric analysis of fracture propagation in saturated porous media due to a pressurised non-Newtonian fluid. <i>Computers and Geotechnics</i> , <b>2019</b> , 112, 272-283	4.4	12
286	Energy conservation during remeshing in the analysis of dynamic fracture. <i>International Journal for Numerical Methods in Engineering</i> , <b>2019</b> , 120, 433-446	2.4	6
285	Flow of non-Newtonian fluids in fractured porous media: Isogeometric vs standard finite element discretisation. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , <b>2019</b> , 43, 2020-2037 <sup>12</sup>	4	12
284	Implications of single or multiple pressure degrees of freedom at fractures in fluid-saturated porous media. <i>Engineering Fracture Mechanics</i> , <b>2019</b> , 213, 1-20	4.2	9
283	Structural softening, mesh dependence, and regularisation in non-associated plastic flow. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , <b>2019</b> , 43, 2170-2183	4	16
282	Strain-gradient elasticity and gradient-dependent plasticity with hierarchical refinement of NURBS. <i>Finite Elements in Analysis and Design</i> , <b>2019</b> , 163, 31-43	2.2	8
281	Finite Thickness of Shear Bands in Frictional Viscoplasticity and Implications for Lithosphere Dynamics. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2019</b> , 20, 5598-5616	3.6	8
280	Phase-field modelling of interface failure in brittle materials. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2019</b> , 346, 25-42	5.7	54
279	Cohesive fracture analysis using Powell-Sabin B-splines. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , <b>2019</b> , 43, 625-640	4	10
278	Fractured or Fracturing, Fully or Partially Saturated Porous Media <b>2018</b> , 13-34		
277	Interface Elements <b>2018</b> , 47-67		
276	The Extended Finite Element Method <b>2018</b> , 69-107		0
275	Fracture Modeling Using Isogeometric Analysis <b>2018</b> , 109-154		
274	Phase-Field Methods for Fracture <b>2018</b> , 155-184		
273	Locally Refined T-splines. <i>International Journal for Numerical Methods in Engineering</i> , <b>2018</b> , 114, 637-659	2.4	17
272	Adaptive refinement of hierarchical T-splines. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2018</b> , 337, 220-245	5.7	14

271	An isogeometric analysis approach to gradient-dependent plasticity. <i>International Journal for Numerical Methods in Engineering</i> , <b>2018</b> , 113, 296-310	2.4	10
270	The role of B�zier extraction in adaptive isogeometric analysis: Local refinement and hierarchical refinement. <i>International Journal for Numerical Methods in Engineering</i> , <b>2018</b> , 113, 999-1019	2.4	16
269	Discrete fracture analysis using locally refined T-splines. <i>International Journal for Numerical Methods in Engineering</i> , <b>2018</b> , 116, 117-140	2.4	17
268	On the monolithic and staggered solution of cell contractility and focal adhesion growth. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , <b>2018</b> , 34, e3138	2.6	1
267	Dispersion and isogeometric analyses of second-order and fourth-order implicit gradient-enhanced plasticity models. <i>International Journal for Numerical Methods in Engineering</i> , <b>2018</b> , 114, 431-453	2.4	4
266	The Benefits of Using a Consistent Tangent Operator for Viscoelastoplastic Computations in Geodynamics. <i>Geochemistry, Geophysics, Geosystems</i> , <b>2018</b> , 19, 4904-4924	3.6	20
265	Fluid flow in fractured and fracturing porous media: A unified view. <i>Mechanics Research Communications</i> , <b>2017</b> , 80, 47-57	2.2	28
264	Damage, Material Instabilities, and Failure <b>2017</b> , 1-50		2
263	A feedback-loop extended stress fiber growth model with focal adhesion formation. <i>International Journal of Solids and Structures</i> , <b>2017</b> , 128, 160-173	3.1	1
262	A convergence study of phase-field models for brittle fracture. <i>Engineering Fracture Mechanics</i> , <b>2017</b> , 184, 307-318	4.2	44
261	Convergence analysis of Laplacian-based gradient elasticity in an isogeometric framework. <i>Finite Elements in Analysis and Design</i> , <b>2017</b> , 135, 56-67	2.2	9
260	Solids and Structures: Introduction and Survey <b>2017</b> , 1-4		
259	Adaptive hierarchical refinement of NURBS in cohesive fracture analysis. <i>International Journal for Numerical Methods in Engineering</i> , <b>2017</b> , 112, 2151-2173	2.4	25
258	Gradient damage vs phase-field approaches for fracture: Similarities and differences. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2016</b> , 312, 78-94	5.7	150
257	PowellBabin B-splines for smeared and discrete approaches to fracture in quasi-brittle materials. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2016</b> , 307, 193-214	5.7	16
256	PowellBabin B-splines and unstructured standard T-splines for the solution of the KirchhoffLove plate theory exploiting B�zier extraction. <i>International Journal for Numerical Methods in Engineering</i> , <b>2016</b> , 107, 205-233	2.4	20
255	A fracture-controlled path-following technique for phase-field modeling of brittle fracture. <i>Finite Elements in Analysis and Design</i> , <b>2016</b> , 113, 14-29	2.2	44
254	A new arc-length control method based on the rates of the internal and the dissipated energy. <i>Engineering Computations</i> , <b>2016</b> , 33, 100-115	1.4	35

253	Isogeometric analysis of the Cahn-Hilliard equation: A convergence study. <i>Journal of Computational Physics</i> , <b>2016</b> , 305, 360-371	4.1	39
252	A Numerical Assessment of Phase-Field Models for Fracture. <i>Springer Tracts in Mechanical Engineering</i> , <b>2016</b> , 17-28	0.3	1
251	A Discussion on Gradient Damage and Phase-Field Models for Brittle Fracture. <i>Advanced Structured Materials</i> , <b>2016</b> , 263-277	0.6	0
250	Isogeometric analysis of fluid-saturated porous media including flow in the cracks. <i>International Journal for Numerical Methods in Engineering</i> , <b>2016</b> , 108, 990-1006	2.4	22
249	A numerical assessment of phase-field models for brittle and cohesive fracture: Convergence and stress oscillations. <i>European Journal of Mechanics, A/Solids</i> , <b>2015</b> , 52, 72-84	3.7	89
248	Propagation of delamination in composite materials with isogeometric continuum shell elements. <i>International Journal for Numerical Methods in Engineering</i> , <b>2015</b> , 102, 159-179	2.4	28
247	Image-based goal-oriented adaptive isogeometric analysis with application to the micro-mechanical modeling of trabecular bone. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2015</b> , 284, 138-164	5.7	63
246	Isogeometric analysis for modelling of failure in advanced composite materials <b>2015</b> , 309-329		1
245	On the numerical integration of isogeometric interface elements. <i>International Journal for Numerical Methods in Engineering</i> , <b>2015</b> , 102, 1733-1749	2.4	26
244	The role of the B $\zeta$ ier extraction operator for T-splines of arbitrary degree: linear dependencies, partition of unity property, nesting behaviour and local refinement. <i>International Journal for Numerical Methods in Engineering</i> , <b>2015</b> , 103, 547-581	2.4	17
243	An isogeometric continuum shell element for non-linear analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2014</b> , 271, 1-22	5.7	66
242	Multi-scale and multi-physics modelling for complex materials. <i>Meccanica</i> , <b>2014</b> , 49, 2549-2550	2.1	2
241	An isogeometric analysis B $\zeta$ ier interface element for mechanical and poromechanical fracture problems. <i>International Journal for Numerical Methods in Engineering</i> , <b>2014</b> , 97, 608-628	2.4	35
240	The incorporation of gradient damage models in shell elements. <i>International Journal for Numerical Methods in Engineering</i> , <b>2014</b> , 98, 391-398	2.4	9
239	Evolving Discontinuities and Cohesive Fracture. <i>Procedia IUTAM</i> , <b>2014</b> , 10, 125-137		5
238	Phase-field models for brittle and cohesive fracture. <i>Meccanica</i> , <b>2014</b> , 49, 2587-2601	2.1	123
237	A phase-field model for cohesive fracture. <i>International Journal for Numerical Methods in Engineering</i> , <b>2013</b> , 96, 43-62	2.4	234
236	The cohesive band model: a cohesive surface formulation with stress triaxiality. <i>International Journal of Fracture</i> , <b>2013</b> , 181, 177-188	2.3	26

235	Isogeometric finite element analysis of poroelasticity. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , <b>2013</b> , 37, 1891-1907	4	33
234	An isogeometric solid-like shell element for nonlinear analysis. <i>International Journal for Numerical Methods in Engineering</i> , <b>2013</b> , 95, 238-256	2.4	63
233	A large deformation formulation for fluid flow in a progressively fracturing porous material. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2013</b> , 256, 29-37	5.7	34
232	Two-Dimensional Mode I Crack Propagation in Saturated Ionized Porous Media Using Partition of Unity Finite Elements. <i>Journal of Applied Mechanics, Transactions ASME</i> , <b>2013</b> , 80,	2.7	16
231	Discretization of Higher Order Gradient Damage Models Using Isogeometric Finite Elements <b>2013</b> , 89-120		
230	Computational Methods for Generalised Continua. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , <b>2013</b> , 361-388	0.6	0
229	Discontinuous Versus Continuous Chemical Potential Across a Crack in a Swelling Porous Medium <b>2013</b> , 317-334		
228	A finite-element/boundary-element method for large-displacement fluid-structure interaction. <i>Computational Mechanics</i> , <b>2012</b> , 50, 779-788	4	28
227	Geometrically Non-linear Analysis <b>2012</b> , 63-111		
226	Hyperelasticity <b>2012</b> , 363-399		
225	Plasticity <b>2012</b> , 219-280		
224	Non-linear Finite Element Analysis <b>2012</b> , 31-62		1
223	<b>2012</b> ,		213
222	ISOGEOMETRIC FAILURE ANALYSIS. <i>Springer Series in Geomechanics and Geoengineering</i> , <b>2011</b> , 113-116	0.1	3
221	An investigation of Interface-GMRES(R) for fluid-structure interaction problems with flutter and divergence. <i>Computational Mechanics</i> , <b>2011</b> , 47, 17-29	4	16
220	An isogeometric approach to cohesive zone modeling. <i>International Journal for Numerical Methods in Engineering</i> , <b>2011</b> , 87, 336-360	2.4	130
219	An isogeometric analysis approach to gradient damage models. <i>International Journal for Numerical Methods in Engineering</i> , <b>2011</b> , 86, 115-134	2.4	140
218	Goal-oriented error estimation and adaptivity for fluid-structure interaction using exact linearized adjoints. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2011</b> , 200, 2738-2757	5.7	36

217 Isogeometric Failure Analysis **2011**, 275-282

216 Transverse Failure Behavior of Fiber-epoxy Systems. *Journal of Composite Materials*, **2010**, 44, 1493-1516.7 30

215 A Multiscale Molecular Dynamics / Extended Finite Element Method for Dynamic Fracture. *Advanced Structured Materials*, **2010**, 211-237 0.6

214 Goal-Oriented Error Estimation and Adaptivity for Free-Boundary Problems: The Domain-Map Linearization Approach. *SIAM Journal of Scientific Computing*, **2010**, 32, 1064-1092 2.6 15

213 Goal-Oriented Error Estimation and Adaptivity for Free-Boundary Problems: The Shape-Linearization Approach. *SIAM Journal of Scientific Computing*, **2010**, 32, 1093-1118 2.6 17

212 A two-scale approach for propagating cracks in a fluid-saturated porous material. *IOP Conference Series: Materials Science and Engineering*, **2010**, 10, 012044 0.4 3

211 A coupled molecular dynamics and extended finite element method for dynamic crack propagation. *International Journal for Numerical Methods in Engineering*, **2010**, 81, 72-88 2.4 20

210 Computational homogenization for adhesive and cohesive failure in quasi-brittle solids. *International Journal for Numerical Methods in Engineering*, **2010**, 83, 1155-1179 2.4 104

209 Numerical homogenization of cracking processes in thin fibre-epoxy layers. *European Journal of Mechanics, A/Solids*, **2010**, 29, 119-131 3.7 48

208 A two-scale approach for fluid flow in fracturing porous media **2010**, 451-460 1

207 Dynamic Crack Propagation Using a Combined Molecular Dynamics/Extended Finite Element Approach. *International Journal for Multiscale Computational Engineering*, **2010**, 8, 221-235 2.4 4

206 Multiscale Modelling of the Failure Behaviour of Fibre-Reinforced Laminates. *Lecture Notes in Applied and Computational Mechanics*, **2010**, 233-259 0.3 2

205 Variational Germano Approach for Multiscale Formulations. *Lecture Notes in Applied and Computational Mechanics*, **2010**, 53-73 0.3 1

204 Energy conservation of atomistic/continuum coupling. *International Journal for Numerical Methods in Engineering*, **2009**, 78, 1365-1386 2.4 33

203 Computational homogenization of discrete fracture in fibre-epoxy systems. *International Journal of Material Forming*, **2009**, 2, 931-934 2

202 Analysis of fracture and delamination in laminates using 3D numerical modelling. *Engineering Fracture Mechanics*, **2009**, 76, 761-780 4.2 32

201 A Finite Element Method for Level Sets **2009**, 95-106 1

200 Computational Multi-Scale Methods and Evolving Discontinuities **2009**, 3-9



199	Numerical methods for The Modelling Of Debonding In Composites. <i>Solid Mechanics and Its Applications</i> , <b>2009</b> , 37-76	0.4	
198	A Precis Of Two-Scale Approaches For Fracture In Porous Media. <i>Solid Mechanics and Its Applications</i> , <b>2009</b> , 149-171	0.4	1
197	Challenges in computational materials science: Multiple scales, multi-physics and evolving discontinuities. <i>Computational Materials Science</i> , <b>2008</b> , 43, 1-15	3.2	75
196	A method for coupling atoms to continuum mechanics for capturing dynamic crack propagation. <i>European Journal of Computational Mechanics</i> , <b>2008</b> , 17, 651-662	0.5	
195	A two-scale model for fluid flow in an unsaturated porous medium with cohesive cracks. <i>Computational Mechanics</i> , <b>2008</b> , 42, 227-238	4	111
194	A partition-of-unity-based finite element method for level sets. <i>International Journal for Numerical Methods in Engineering</i> , <b>2008</b> , 76, 1513-1527	2.4	13
193	Goal-oriented error estimation for Stokes flow interacting with a flexible channel. <i>International Journal for Numerical Methods in Fluids</i> , <b>2008</b> , 56, 1551-1557	1.9	10
192	The simulation of dynamic crack propagation using the cohesive segments method. <i>Journal of the Mechanics and Physics of Solids</i> , <b>2008</b> , 56, 70-92	5	162
191	Space/time multigrid for a fluid-structure-interaction problem. <i>Applied Numerical Mathematics</i> , <b>2008</b> , 58, 1951-1971	2.5	29
190	Two-scale approaches for fracture in fluid-saturated porous media. <i>Interaction and Multiscale Mechanics</i> , <b>2008</b> , 1, 83-101		5
189	Computational Methods for Debonding in Composites. <i>Computational Methods in Applied Sciences (Springer)</i> , <b>2008</b> , 1-25	0.4	6
188	A discrete model for the dynamic propagation of shear bands in a fluid-saturated medium. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , <b>2007</b> , 31, 347-370	4	35
187	Multiscale overlap coupling for hybrid computations. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2007</b> , 196, 4294-4303	5.7	1
186	A modal-based multiscale method for large eddy simulation. <i>Journal of Computational Physics</i> , <b>2007</b> , 224, 389-402	4.1	10
185	Numerical Modelling of Self Healing Mechanisms. <i>Springer Series in Materials Science</i> , <b>2007</b> , 365-380	0.9	5
184	Conservation under Incompatibility for Fluid-Solid-Interaction Problems: the NPCL Method. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , <b>2007</b> , 413-432	0.3	
183	A discrete model for the propagation of discontinuities in a fluid-saturated medium. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , <b>2007</b> , 323-342	0.3	
182	Dispersion and Localisation in a StrainSoftening TwoPhase Medium. <i>Computational Methods in Applied Sciences (Springer)</i> , <b>2007</b> , 55-66	0.4	



181	An Evaluation of the Accuracy of Discontinuous Finite Elements in Explicit Dynamic Calculations. <i>IUTAM Symposium on Cellular, Molecular and Tissue Mechanics</i> , <b>2007</b> , 303-322	0.3	
180	A two-scale approach for fluid flow in fractured porous media. <i>International Journal for Numerical Methods in Engineering</i> , <b>2006</b> , 71, 780-800	2.4	143
179	An $H^1(\text{mathcal{P}}^{\text{mathsf{h}}})$ -Coercive Discontinuous Galerkin Formulation for the Poisson Problem: 1D Analysis. <i>SIAM Journal on Numerical Analysis</i> , <b>2006</b> , 44, 2671-2698	2.4	
178	Error-amplification analysis of subiteration-preconditioned GMRES for fluid-structure interaction. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2006</b> , 195, 2124-2148	5.7	26
177	Wave propagation and localisation in a softening two-phase medium. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2006</b> , 195, 5011-5019	5.7	27
176	Computational modelling of delamination. <i>Composites Science and Technology</i> , <b>2006</b> , 66, 713-722	8.6	74
175	Mesh-independent discrete numerical representations of cohesive-zone models. <i>Engineering Fracture Mechanics</i> , <b>2006</b> , 73, 160-177	4.2	124
174	Modern Domain-based Discretization Methods for Damage and Fracture. <i>International Journal of Fracture</i> , <b>2006</b> , 138, 241-262	2.3	12
173	A Numerical Approach for Arbitrary Cracks in a Fluid-Saturated Medium. <i>Archive of Applied Mechanics</i> , <b>2006</b> , 75, 595-606	2.2	93
172	Modern domain-based discretization methods for damage and fracture <b>2006</b> , 241-262		
171	A Comparison of Space-Time Variational-Multiscale Discretizations <b>2006</b> , 189-195		
170	NUMERICAL METHODS FOR DEBONDING IN COMPOSITE MATERIALS A Comparison of Approaches. <i>Solid Mechanics and Its Applications</i> , <b>2006</b> , 13-22	0.4	
169	Instabilities and Discontinuities in Two-Phase Media <b>2006</b> , 11-11		
168	On the Nonnormality of Subiteration for a Fluid-Structure-Interaction Problem. <i>SIAM Journal of Scientific Computing</i> , <b>2005</b> , 27, 599-621	2.6	75
167	Enhanced continua and discrete lattices for modelling granular assemblies. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2005</b> , 363, 2543-80	3	21
166	Object-oriented stochastic finite element analysis of fibre metal laminates. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2005</b> , 194, 1427-1446	5.7	20
165	An interface Newton-Krylov solver for fluid-structure interaction. <i>International Journal for Numerical Methods in Fluids</i> , <b>2005</b> , 47, 1189-1195	1.9	75
164	Computational Mechanics of Failure in Composites at Multiple Scales. <i>CISM International Centre for Mechanical Sciences, Courses and Lectures</i> , <b>2005</b> , 63-101	0.6	1

163	An anisotropic thermomechanical damage model for concrete at transient elevated temperatures. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2005</b> , 363, 2603-28	3	11
162	Preface to computational mechanics of concrete and concrete structures. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , <b>2004</b> , 28, 563-564	4	
161	Discrete vs smeared crack models for concrete fracture: bridging the gap. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , <b>2004</b> , 28, 583-607	4	144
160	Cohesive-zone models, higher-order continuum theories and reliability methods for computational failure analysis. <i>International Journal for Numerical Methods in Engineering</i> , <b>2004</b> , 60, 289-315	2.4	81
159	A monolithic approach to fluid-structure interaction. <i>Computers and Fluids</i> , <b>2004</b> , 33, 839-848	2.8	129
158	Application of the Discontinuous Solid-Like Shell Element to Delamination <b>2004</b> ,		1
157	A Space-Time Variational Multiscale Discretization for LES <b>2004</b> ,		1
156	Damage, Material Instabilities, and Failure <b>2004</b> ,		16
155	The Stress Rate of Hyperelasticity Based on the Updated Lagrangian Formulation. <i>JSME International Journal Series A-Solid Mechanics and Material Engineering</i> , <b>2004</b> , 47, 164-172		
154	Novel Discretization Concepts <b>2003</b> , 377-425		6
153	A cohesive segments method for the simulation of crack growth. <i>Computational Mechanics</i> , <b>2003</b> , 31, 69-77	4	229
152	The partition-of-unity method for linear diffusion and convection problems: accuracy, stabilization and multiscale interpretation. <i>International Journal for Numerical Methods in Fluids</i> , <b>2003</b> , 43, 199-213	1.9	12
151	A numerical model for the cyclic deterioration of railway tracks. <i>International Journal for Numerical Methods in Engineering</i> , <b>2003</b> , 57, 441-470	2.4	108
150	An arbitrary Lagrangian Eulerian finite-element approach for fluid-structure interaction phenomena. <i>International Journal for Numerical Methods in Engineering</i> , <b>2003</b> , 57, 117-142	2.4	70
149	A solid-like shell element allowing for arbitrary delaminations. <i>International Journal for Numerical Methods in Engineering</i> , <b>2003</b> , 58, 2013-2040	2.4	73
148	Simulation of size-effect behaviour through sensitivity analyses. <i>Engineering Fracture Mechanics</i> , <b>2003</b> , 70, 2269-2279	4.2	8
147	Numerical aspects of cohesive-zone models. <i>Engineering Fracture Mechanics</i> , <b>2003</b> , 70, 1743-1757	4.2	217
146	Generation of elastic waves in a laminated solid by a moving photothermal source. <i>Journal of Sound and Vibration</i> , <b>2003</b> , 266, 171-187	3.9	2

145	Two gradient plasticity theories discretized with the element-free Galerkin method. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2003</b> , 192, 2377-2403	5.7	57
144	Energy conservation under incompatibility for fluid-structure interaction problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2003</b> , 192, 2727-2748	5.7	18
143	The relevance of conservation for stability and accuracy of numerical methods for fluid-structure interaction. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2003</b> , 192, 4195-4215	5.7	48
142	Stochastic Finite Element Methods <b>2003</b> , 607-635		2
141	Numerical Modelling of Fibre Metal Laminates Under Thermomechanical Loading <b>2003</b> ,		2
140	A Large Strain Discontinuous Finite Element Approach to Laminated Composites. <i>Solid Mechanics and Its Applications</i> , <b>2003</b> , 355-364	0.4	4
139	A unified approach to the implicit integration of standard, non-standard and viscous plasticity models. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , <b>2002</b> , 26, 1059-1070 <sup>4</sup>		45
138	Simulating the propagation of displacement discontinuities in a regularized strain-softening medium. <i>International Journal for Numerical Methods in Engineering</i> , <b>2002</b> , 53, 1235-1256	2.4	87
137	A consistent geometrically non-linear approach for delamination. <i>International Journal for Numerical Methods in Engineering</i> , <b>2002</b> , 54, 1333-1355	2.4	122
136	Instability analysis of vibrations of a uniformly moving mass in one and two-dimensional elastic systems. <i>European Journal of Mechanics, A/Solids</i> , <b>2002</b> , 21, 151-165	3.7	20
135	A comparison between the Perzyna viscoplastic model and the Consistency viscoplastic model. <i>European Journal of Mechanics, A/Solids</i> , <b>2002</b> , 21, 1-12	3.7	87
134	Localisation issues in local and nonlocal continuum approaches to fracture. <i>European Journal of Mechanics, A/Solids</i> , <b>2002</b> , 21, 175-189	3.7	92
133	A p-adaptive scheme for overcoming volumetric locking during plastic flow. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2002</b> , 191, 3153-3164	5.7	15
132	Fracture in quasi-brittle materials: a review of continuum damage-based approaches. <i>Engineering Fracture Mechanics</i> , <b>2002</b> , 69, 95-112	4.2	145
131	Analysis of Cohesive Cracks Under Quasi-Static and Dynamic Loading. <i>Solid Mechanics and Its Applications</i> , <b>2002</b> , 293-302	0.4	
130	Computational methods for delamination and fracture in composites <b>2002</b> , 325-352		4
129	Some observations on embedded discontinuity models. <i>Engineering Computations</i> , <b>2001</b> , 18, 241-254	1.4	29
128	Mathematical and numerical aspects of an elasticity-based local approach to fracture. <i>Revue Européenne Des Elements</i> , <b>2001</b> , 10, 209-226		4

127	Micro-mechanical modelling of granular material. Part 1: Derivation of a second-gradient micro-polar constitutive theory. <i>Acta Mechanica</i> , <b>2001</b> , 149, 161-180	2.1	89
126	Micro-mechanical modelling of granular material. Part 2: Plane wave propagation in infinite media. <i>Acta Mechanica</i> , <b>2001</b> , 149, 181-200	2.1	39
125	Radiation emitted by a constant load moving uniformly in a circle on an elastically supported membrane. <i>Wave Motion</i> , <b>2001</b> , 33, 349-357	1.8	
124	A numerical analysis of mixed-mode delamination in carbon-fibre epoxy prepregs. <i>Composite Structures</i> , <b>2001</b> , 54, 445-451	5.3	8
123	Delamination buckling of fibre-metal laminates. <i>Composites Science and Technology</i> , <b>2001</b> , 61, 2207-2213	38.6	74
122	Enhancement of the Hoffman yield criterion with an anisotropic hardening model. <i>Computers and Structures</i> , <b>2001</b> , 79, 637-651	4.5	16
121	DYNAMIC BEHAVIOUR OF A LAYER OF DISCRETE PARTICLES, PART 1: ANALYSIS OF BODY WAVES AND EIGENMODES. <i>Journal of Sound and Vibration</i> , <b>2001</b> , 240, 1-18	3.9	24
120	DYNAMIC BEHAVIOUR OF A LAYER OF DISCRETE PARTICLES, PART 2: RESPONSE TO A UNIFORMLY MOVING, HARMONICALLY VIBRATING LOAD. <i>Journal of Sound and Vibration</i> , <b>2001</b> , 240, 19-39	3.9	17
119	RADIATION EMITTED BY A CONSTANT LOAD IN A CIRCULAR MOTION ON AN ELASTICALLY SUPPORTED MINDLIN PLATE. <i>Journal of Sound and Vibration</i> , <b>2001</b> , 245, 45-61	3.9	3
118	A numerical model for the time-dependent cracking of cementitious materials. <i>International Journal for Numerical Methods in Engineering</i> , <b>2001</b> , 52, 637-654	2.4	30
117	Some recent issues in computational failure mechanics. <i>International Journal for Numerical Methods in Engineering</i> , <b>2001</b> , 52, 63-95	2.4	143
116	Comparison of wave propagation characteristics of the Cosserat continuum model and corresponding discrete lattice models. <i>International Journal of Solids and Structures</i> , <b>2001</b> , 38, 1563-1583	3.1	132
115	The role of crack rate dependence in the long-term behaviour of cementitious materials. <i>International Journal of Solids and Structures</i> , <b>2001</b> , 38, 5063-5079	3.1	19
114	A critical comparison of nonlocal and gradient-enhanced softening continua. <i>International Journal of Solids and Structures</i> , <b>2001</b> , 38, 7723-7746	3.1	442
113	Implicit integration of a generalized plasticity constitutive model for partially saturated soil. <i>Engineering Computations</i> , <b>2001</b> , 18, 314-336	1.4	26
112	Dispersion analysis and element-free Galerkin solutions of second- and fourth-order gradient-enhanced damage models. <i>International Journal for Numerical Methods in Engineering</i> , <b>2000</b> , 49, 811-832	2.4	88
111	Gradient-enhanced damage modelling of high-cycle fatigue. <i>International Journal for Numerical Methods in Engineering</i> , <b>2000</b> , 49, 1547-1569	2.4	105
110	Damage and crack modeling in single-edge and double-edge notched concrete beams. <i>Engineering Fracture Mechanics</i> , <b>2000</b> , 65, 247-261	4.2	71

109	Stochastic aspects of localised failure: material and boundary imperfections. <i>International Journal of Solids and Structures</i> , <b>2000</b> , 37, 7145-7159	3.1	7
108	An anisotropic gradient damage model for quasi-brittle materials. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2000</b> , 183, 87-103	5.7	98
107	Numerical assessment of delamination in fibre metal laminates. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2000</b> , 185, 141-159	5.7	46
106	Branch switching techniques for bifurcation in soil deformation. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>2000</b> , 190, 707-719	5.7	6
105	Phenomenological nonlocal approaches based on implicit gradient-enhanced damage. <i>Acta Mechanica</i> , <b>2000</b> , 144, 1-15	2.1	39
104	Some observations on the regularizing field for gradient damage models. <i>Acta Mechanica</i> , <b>2000</b> , 140, 149-162	2.1	3
103	Mixed mode fracture in plain and reinforced concrete: some results on benchmark tests. <i>International Journal of Fracture</i> , <b>2000</b> , 103, 127-148	2.3	55
102	Enriched damage models for continuum failure analyses. <i>Solid Mechanics and Its Applications</i> , <b>2000</b> , 355-366		
101	Implicit integration of hypoplastic models <b>2000</b> , 457-470		4
100	Dispersion analysis and element-free Galerkin solutions of second- and fourth-order gradient-enhanced damage models <b>2000</b> , 49, 811		1
99	Gradient-enhanced damage modelling of high-cycle fatigue <b>2000</b> , 49, 1547		4
98	Conditions for locking-free elasto-plastic analyses in the Element-Free Galerkin method. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1999</b> , 173, 99-109	5.7	35
97	Towards efficient and robust elements for 3D-soil plasticity. <i>Computers and Structures</i> , <b>1999</b> , 70, 23-34	4.5	11
96	Surface waves in a stratified half space with enhanced continuum properties. Part 2: Analysis of the wave characteristics in regard to high-speed railway tracks. <i>European Journal of Mechanics, A/Solids</i> , <b>1999</b> , 18, 769-784	3.7	9
95	Surface waves in a stratified half space with enhanced continuum properties. Part 1: Formulation of the boundary value problem. <i>European Journal of Mechanics, A/Solids</i> , <b>1999</b> , 18, 749-768	3.7	22
94	On coupled gradient-dependent plasticity and damage theories with a view to localization analysis. <i>European Journal of Mechanics, A/Solids</i> , <b>1999</b> , 18, 939-962	3.7	129
93	A reappraisal of nonlocal mechanics. <i>European Journal of Mechanics, A/Solids</i> , <b>1999</b> , 18, 17-46	3.7	27
92	Delamination behavior of spliced Fiber Metal Laminates. Part 2. Numerical investigation. <i>Composite Structures</i> , <b>1999</b> , 46, 147-162	5.3	20

91	Mixed numerical-experimental identification of non-local characteristics of random-fibre-reinforced composites. <i>Composites Science and Technology</i> , <b>1999</b> , 59, 1569-1578	8.6	38
90	A unified framework for concrete damage and fracture models including size effects. <i>International Journal of Fracture</i> , <b>1999</b> , 95, 261-277	2.3	42
89	Deterministic and stochastic analysis of size effects and damage evolution in quasi-brittle materials. <i>Archive of Applied Mechanics</i> , <b>1999</b> , 69, 655-676	2.2	23
88	Numerical analysis of localization using a viscoplastic regularization: influence of stochastic material defects. <i>International Journal for Numerical Methods in Engineering</i> , <b>1999</b> , 44, 1823-1841	2.4	27
87	Performance of low-order triangular elements during plastic flow. <i>Engineering Computations</i> , <b>1999</b> , 16, 70-87	1.4	4
86	A unified framework for concrete damage and fracture models including size effects <b>1999</b> , 261-277		2
85	Performance of Enhanced Low-Order Elements for Plastic Continua. <i>Solid Mechanics and Its Applications</i> , <b>1999</b> , 315-322	0.4	
84	Classification of smeared crack models based on material and structural properties. <i>International Journal of Solids and Structures</i> , <b>1998</b> , 35, 1289-1308	3.1	62
83	Gradient-enhanced damage modelling of concrete fracture. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , <b>1998</b> , 3, 323-342		278
82	Critical behaviour of a Timoshenko beam-half plane system under a moving load. <i>Archive of Applied Mechanics</i> , <b>1998</b> , 68, 158-168	2.2	25
81	Simulation of crack spacing using a reinforced concrete model with an internal length parameter. <i>Archive of Applied Mechanics</i> , <b>1998</b> , 68, 613-625	2.2	23
80	Studies in material parameter sensitivity of softening solids. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1998</b> , 162, 337-350	5.7	10
79	Strain-based transient-gradient damage model for failure analyses. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1998</b> , 160, 133-153	5.7	201
78	Description of the mechanical behaviour of micropolar adhesives. <i>Mathematical and Computer Modelling</i> , <b>1998</b> , 27, 23-49		15
77	Wave propagation and localisation in nonlocal and gradient-enhanced damage models. <i>European Physical Journal Special Topics</i> , <b>1998</b> , 08, Pr8-293-Pr8-300		6
76	On the use of local strain fields for the determination of the intrinsic length scale. <i>European Physical Journal Special Topics</i> , <b>1998</b> , 08, Pr8-167-Pr8-174		3
75	Uncoupled numerical method for fracture analysis. <i>International Journal of Fracture</i> , <b>1997</b> , 84, 175-190	2.3	4
74	Some recent developments in computational modelling of concrete fracture. <i>International Journal of Fracture</i> , <b>1997</b> , 86, 5-36	2.3	43



73	Viscoplasticity for instabilities due to strain softening and strain-rate softening. <i>International Journal for Numerical Methods in Engineering</i> , <b>1997</b> , 40, 3839-3864	2.4	206
72	A plane stress softening plasticity model for orthotropic materials. <i>International Journal for Numerical Methods in Engineering</i> , <b>1997</b> , 40, 4033-4057	2.4	159
71	An interface element for modelling the onset and growth of mixed-mode cracking in aluminium and fibre metal laminates. <i>Structural Engineering and Mechanics</i> , <b>1997</b> , 5, 817-837		4
70	Viscoplasticity for instabilities due to strain softening and strain-rate softening <b>1997</b> , 40, 3839		1
69	Viscoplasticity for instabilities due to strain softening and strain-rate softening <b>1997</b> , 40, 3839		1
68	A plane stress softening plasticity model for orthotropic materials <b>1997</b> , 40, 4033		2
67	A Gradient-Enhanced Damage Approach to Fracture. <i>European Physical Journal Special Topics</i> , <b>1996</b> , 06, C6-491-C6-502		8
66	Failure in plain and reinforced concrete—An analysis of crack width and crack spacing. <i>International Journal of Solids and Structures</i> , <b>1996</b> , 33, 3257-3276	3.1	33
65	AN EULEREAN FINITE ELEMENT MODEL FOR PENETRATION IN LAYERED SOIL. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , <b>1996</b> , 20, 865-886	4	43
64	SOME NOVEL DEVELOPMENTS IN FINITE ELEMENT PROCEDURES FOR GRADIENT-DEPENDENT PLASTICITY. <i>International Journal for Numerical Methods in Engineering</i> , <b>1996</b> , 39, 2477-2505	2.4	167
63	GRADIENT ENHANCED DAMAGE FOR QUASI-BRITTLE MATERIALS. <i>International Journal for Numerical Methods in Engineering</i> , <b>1996</b> , 39, 3391-3403	2.4	865
62	A composite plasticity model for concrete. <i>International Journal of Solids and Structures</i> , <b>1996</b> , 33, 707-730	3.1	153
61	Computing strain fields from discrete displacement fields in 2D-solids. <i>International Journal of Solids and Structures</i> , <b>1996</b> , 33, 4293-4307	3.1	88
60	Authors' closure. <i>International Journal of Solids and Structures</i> , <b>1996</b> , 33, 2401-2402	3.1	
59	SOME NOVEL DEVELOPMENTS IN FINITE ELEMENT PROCEDURES FOR GRADIENT-DEPENDENT PLASTICITY <b>1996</b> , 39, 2477		1
58	GRADIENT ENHANCED DAMAGE FOR QUASI-BRITTLE MATERIALS <b>1996</b> , 39, 3391		1
57	Stochastic approaches for damage evolution in standard and non-standard continua. <i>International Journal of Solids and Structures</i> , <b>1995</b> , 32, 1149-1160	3.1	27
56	An algorithm for mesh rezoning with application to strain localization problems. <i>Computers and Structures</i> , <b>1995</b> , 55, 237-247	4.5	8



55	Constitutive Model for Reinforced Concrete. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1995</b> , 121, 587-595	5.4	43
54	On gradient-enhanced damage and plasticity models for failure in quasi-brittle and frictional materials. <i>Computational Mechanics</i> , <b>1995</b> , 17, 130-141	4	102
53	Discretization influence in strain-softening problems. <i>Engineering Computations</i> , <b>1995</b> , 12, 209-228	1.4	12
52	A plasticity model and algorithm for mode-I cracking in concrete. <i>International Journal for Numerical Methods in Engineering</i> , <b>1995</b> , 38, 2509-2529	2.4	61
51	Some observations on element performance in isochoric and dilatant plastic flow. <i>International Journal for Numerical Methods in Engineering</i> , <b>1995</b> , 38, 2887-2906	2.4	21
50	Finite element procedure for modelling fibre metal laminates. <i>Composite Structures</i> , <b>1995</b> , 32, 255-264	5.3	22
49	On gradient-enhanced damage and plasticity models for failure in quasi-brittle and frictional materials <b>1995</b> , 17, 130		2
48	The application of interface elements and enriched or rate-dependent continua to micro-mechanical analyses of fracture in composites. <i>Computational Mechanics</i> , <b>1994</b> , 14, 68-83	4	17
47	On the behaviour of rubberlike materials in compression and shear. <i>Archive of Applied Mechanics</i> , <b>1994</b> , 64, 136-146	2.2	26
46	An adaptive time-stepping algorithm for quasistatic processes. <i>Communications in Numerical Methods in Engineering</i> , <b>1994</b> , 10, 837-844		6
45	A note on the calculation of consistent tangent operators for Von Mises and Drucker-Prager plasticity. <i>Communications in Numerical Methods in Engineering</i> , <b>1994</b> , 10, 1021-1025		6
44	Dispersive properties of gradient-dependent and rate-dependent media. <i>Mechanics of Materials</i> , <b>1994</b> , 18, 131-149	3.3	40
43	Free edge delamination in carbon-epoxy laminates: a novel numerical/experimental approach. <i>Composite Structures</i> , <b>1994</b> , 28, 357-373	5.3	68
42	Finite-Element Modeling of Deformation and Cracking in Early-Age Concrete. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1994</b> , 120, 2519-2534	2.4	74
41	FUNDAMENTAL ISSUES IN FINITE ELEMENT ANALYSES OF LOCALIZATION OF DEFORMATION. <i>Engineering Computations</i> , <b>1993</b> , 10, 99-121	1.4	452
40	On the numerical integration of interface elements. <i>International Journal for Numerical Methods in Engineering</i> , <b>1993</b> , 36, 43-66	2.4	290
39	A generalisation of J2-flow theory for polar continua. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1993</b> , 103, 347-362	5.7	159
38	A non-linear finite element approach for the analysis of mode-I free edge delamination in composites. <i>International Journal of Solids and Structures</i> , <b>1993</b> , 30, 1239-1253	3.1	150

37	Wave propagation, localization and dispersion in a gradient-dependent medium. <i>International Journal of Solids and Structures</i> , <b>1993</b> , 30, 1153-1171	3.1	122
36	Wave propagation and localization in a rate-dependent cracked medium—model formulation and one-dimensional examples. <i>International Journal of Solids and Structures</i> , <b>1992</b> , 29, 2945-2958	3.1	119
35	Gradient-dependent plasticity: Formulation and algorithmic aspects. <i>International Journal for Numerical Methods in Engineering</i> , <b>1992</b> , 35, 521-539	2.4	690
34	A note on singularity indicators for mohr-coulomb type yield criteria. <i>Computers and Structures</i> , <b>1991</b> , 39, 219-220	4.5	10
33	The zero-normal-stress condition in plane-stress and shell elastoplasticity. <i>Communications in Applied Numerical Methods</i> , <b>1991</b> , 7, 29-33		41
32	Localisation in a Cosserat continuum under static and dynamic loading conditions. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1991</b> , 90, 805-827	5.7	190
31	Numerical modelling of bifurcation and localisation in cohesive-frictional materials. <i>Pure and Applied Geophysics</i> , <b>1991</b> , 137, 367-390	2.2	24
30	Numerical Study on Crack Dilatancy Part I: Models and Stability Analysis. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1991</b> , 117, 733-753	2.4	34
29	Numerical Study on Crack Dilatancy Part 2: Applications. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1991</b> , 117, 754-769	2.4	15
28	SIMULATION OF STRAIN LOCALIZATION: A REAPPRAISAL OF THE COSSERAT CONTINUUM. <i>Engineering Computations</i> , <b>1991</b> , 8, 317-332	1.4	391
27	The use of the Hoffman yield criterion in finite element analysis of anisotropic composites. <i>Computers and Structures</i> , <b>1990</b> , 37, 1087-1096	4.5	42
26	Studies in anisotropic plasticity with reference to the Hill criterion. <i>International Journal for Numerical Methods in Engineering</i> , <b>1990</b> , 29, 315-336	2.4	98
25	Closure to "Analysis of Mixed-Mode Fracture in Concrete " by Jan G. Rots and René de Borst (November, 1987, Vol. 113, No. 11). <i>Journal of Engineering Mechanics - ASCE</i> , <b>1989</b> , 115, 2346-2347	2.4	
24	Discussion of the paper "On the numerical instability of the smeared-crack approach in the non-linear modelling of concrete structures" <i>Communications in Applied Numerical Methods</i> , <b>1989</b> , 5, 489-490		
23	Analysis of concrete structures under thermal loading. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1989</b> , 77, 293-310	5.7	38
22	Analysis of concrete fracture in "direct" tension. <i>International Journal of Solids and Structures</i> , <b>1989</b> , 25, 1381-1394	3.1	51
21	Occurrence of spurious mechanisms in computations of strain-softening solids. <i>Engineering Computations</i> , <b>1989</b> , 6, 272-280	1.4	29
20	Bifurcations in finite element models with a non-associated flow law. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , <b>1988</b> , 12, 99-116	4	77

19	Analysis of Mixed-Mode Fracture in Concrete. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1987</b> , 113, 1739-1758	128
18	Smearred cracking, plasticity, creep, and thermal loading: A unified approach. <i>Computer Methods in Applied Mechanics and Engineering</i> , <b>1987</b> , 62, 89-110	5-7 89
17	Integration of plasticity equations for singular yield functions. <i>Computers and Structures</i> , <b>1987</b> , 26, 823-829	4-5 46
16	Computation of post-bifurcation and post-failure behavior of strain-softening solids. <i>Computers and Structures</i> , <b>1987</b> , 25, 211-224	4-5 201
15	2-D Representation of 3-D Limit Surfaces. <i>Journal of Engineering Mechanics - ASCE</i> , <b>1986</b> , 112, 1255-1258	2-4 3
14	Non-orthogonal cracks in a smeared finite element model. <i>Engineering Computations</i> , <b>1985</b> , 2, 35-46	1-4 228
13	Possibilities and limitations of finite elements for limit analysis. <i>Geotechnique</i> , <b>1984</b> , 34, 199-210	3-4 152
12	Computational Fracture Mechanics	1-26 1
11	Meshless and Partition-of-unity Methods	441-472
10	Isogeometric Finite Element Analysis	473-507
9	Large-strain Elasto-plasticity	401-424
8	Solution Techniques for Non-linear Dynamics	143-166
7	Beams and Arches	305-342
6	Interfaces and Discontinuities	425-440
5	Time-dependent Material Models	281-304
4	Plates and Shells	343-362
3	Solution Techniques in Quasi-Static Analysis	113-141 1
2	Damage Mechanics	67-218 1

- 1 Direct simulation vs subgrid scale modelling of fluid flow in fractured or fracturing porous media. *Computational Geosciences*,1 2.7