# Jean Franois Molinari

## List of Publications by Year in Descending Order

| 140 papers | 4,962 citations | 41 h-index | 65 g-index |
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| 144 ext. papers | 5,609 ext. citations | 4.5 avg, IF | 6.18 L-index |

| # | Paper | IF | Citations |
|---|-------|----|-----------| 
| 140 | cRacklet: a spectral boundary integral method library for interfacial rupture simulation. *Journal of Open Source Software*, **2022**, 7, 3724 | 5.2 | 0 |
| 139 | Experimental and Numerical Study of the Effect of Surface Patterning on the Frictional Properties of Polymer Surfaces. *Journal of Tribology*, **2022**, 144, | 1.8 | 2 |
| 138 | An Optimized Material Removal Process **2022**, 355-366 | | |
| 137 | Adhesive wear with a coarse-grained discrete element model. *Computer Methods in Applied Mechanics and Engineering*, **2022**, 397, 115124 | 5.7 | 0 |
| 136 | Earthquake Nucleation Along Faults With Heterogeneous Weakening Rate. *Geophysical Research Letters*, **2021**, 48, e2021GL094901 | 4.9 | 5 |
| 135 | Explosive fragmentation of Prince Rupert's drops leads to well-defined fragment sizes. *Nature Communications*, **2021**, 12, 2521 | 17.4 | 3 |
| 134 | Creation and evolution of roughness on silica under unlubricated wear. *Wear*, **2021**, 472-473, 203648 | 3.5 | 3 |
| 133 | A Simple Mechanistic Model for Friction of Rough Partially Lubricated Surfaces. *Tribology Letters*, **2021**, 69, 1 | 2.8 | |
| 132 | Adhesive Wear Regimes on Rough Surfaces and Interaction of Micro-contacts. *Tribology Letters*, **2021**, 69, 1 | 2.8 | 2 |
| 131 | A parameter-free mechanistic model of the adhesive wear process of rough surfaces in sliding contact. *Journal of the Mechanics and Physics of Solids*, **2021**, 147, 104238 | 5 | 5 |
| 130 | Onset of sliding across scales: How the contact topography impacts frictional strength. *Physical Review Materials*, **2021**, 5, | 3.2 | 1 |
| 129 | Velocity-driven frictional sliding: Coarsening and steady-state pulses. *Journal of the Mechanics and Physics of Solids*, **2021**, 158, 104607 | 5 | 3 |
| 128 | Stick-slip phenomena and Schallamach waves captured using reversible cohesive elements. *Journal of the Mechanics and Physics of Solids*, **2021**, 155, 104528 | 5 | 1 |
| 127 | Crack nucleation in the adhesive wear of an elastic-plastic half-space. *Journal of the Mechanics and Physics of Solids*, **2020**, 145, 104100 | 5 | 6 |
| 126 | Role of interfacial adhesion on minimum wear particle size and roughness evolution. *Physical Review E*, **2020**, 102, 043001 | 2.4 | 6 |
| 125 | Explicit dynamic approach for unbounded domains in frictional contact with Rate and State laws. *Finite Elements in Analysis and Design*, **2020**, 174, 103402 | 2.2 | 2 |
| 124 | Finite element modeling of dynamic frictional rupture with rate and state friction. *Journal of the Mechanics and Physics of Solids*, **2020**, 141, 103967 | 5 | 6 |

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| 123 | Tamaas: a library for elastic-plastic contact of periodic rough surfaces. *Journal of Open Source Software*, **2020**, 5, 2121 | 5.2 | 5 |
| 122 | Adhesive wear and interaction of tangentially loaded micro-contacts. *International Journal of Solids and Structures*, **2020**, 188-189, 261-268 | 3.1 | 11 |
| 121 | The emergence of crack-like behavior of frictional rupture: Edge singularity and energy balance. *Earth and Planetary Science Letters*, **2020**, 531, 115978 | 5.3 | 18 |
| 120 | Variational phase-field continuum model uncovers adhesive wear mechanisms in asperity junctions. *Journal of the Mechanics and Physics of Solids*, **2020**, 145, 104130 | 5 | 4 |
| 119 | A mechanistic model for the growth of cylindrical debris particles in the presence of adhesion. *International Journal of Solids and Structures*, **2020**, 203, 1-16 | 3.1 | 0 |
| 118 | A Fourier-accelerated volume integral method for elastoplastic contact. *Computer Methods in Applied Mechanics and Engineering*, **2019**, 351, 951-976 | 5.7 | 16 |
| 117 | Emergence of self-affine surfaces during adhesive wear. *Nature Communications*, **2019**, 10, 1116 | 17.4 | 24 |
| 116 | Adhesive wear mechanisms in the presence of weak interfaces: Insights from an amorphous model system. *Physical Review Materials*, **2019**, 3, | 3.2 | 9 |
| 115 | Emergence of Cracklike Behavior of Frictional Rupture: The Origin of Stress Drops. *Physical Review X*, **2019**, 9, | 9.1 | 5 |
| 114 | A mechanistic understanding of the wear coefficient: From single to multiple asperities contact. *Journal of the Mechanics and Physics of Solids*, **2018**, 114, 172-184 | 5 | 40 |
| 113 | The coupled atomistic/discrete-dislocation method in 3d. Part III: Dynamics of hybrid dislocations. *Journal of the Mechanics and Physics of Solids*, **2018**, 118, 1-14 | 5 | 19 |
| 112 | Asperity-Level Origins of Transition from Mild to Severe Wear. *Physical Review Letters*, **2018**, 120, 186105 | 7.4 | 39 |
| 111 | Influence of heterogeneities on crack propagation. *International Journal of Fracture*, **2018**, 209, 77-90 | 2.3 | 9 |
| 110 | Unstable Slip Pulses and Earthquake Nucleation as a Nonequilibrium First-Order Phase Transition. *Physical Review Letters*, **2018**, 121, 234302 | 7.4 | 15 |
| 109 | Supershear bursts in the propagation of a tensile crack in linear elastic material. *Physical Review E*, **2018**, 98, | 2.4 | 7 |
| 108 | Adhesive wear mechanisms uncovered by atomistic simulations. *Friction*, **2018**, 6, 245-259 | 5.6 | 26 |
| 107 | HPC simulations of alkali-silica reaction-induced damage: Influence of alkali-silica gel properties. *Cement and Concrete Research*, **2018**, 109, 90-102 | 10.3 | 8 |
| 106 | The Coupled Atomistic/Discrete-Dislocation method in 3d part I: Concept and algorithms. *Journal of the Mechanics and Physics of Solids*, **2018**, 118, 152-171 | 5 | 26 |

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| 105 | 3D dynamic fragmentation with parallel dynamic insertion of cohesive elements. *International Journal for Numerical Methods in Engineering*, **2017**, 109, 1655-1678 | 2.4 | 14 |
| 104 | Micro-mechanical finite element modeling of diagonal compression test for historical stone masonry structure. *International Journal of Solids and Structures*, **2017**, 112, 122-132 | 3.1 | 22 |
| 103 | Normal adhesive contact on rough surfaces: efficient algorithm for FFT-based BEM resolution. *Computational Mechanics*, **2017**, 60, 69-81 | 4 | 42 |
| 102 | On the accurate computation of the true contact-area in mechanical contact of random rough surfaces. *Tribology International*, **2017**, 114, 161-171 | 4.9 | 31 |
| 101 | Microbranching instability in phase-field modelling of dynamic brittle fracture. *Applied Physics Letters*, **2017**, 110, 151903 | 3.4 | 25 |
| 100 | A mesoscale fracture model for concrete. *Cement and Concrete Research*, **2017**, 97, 84-94 | 10.3 | 67 |
| 99 | Mobility law of dislocations with several character angles and temperatures in FCC aluminum. *International Journal of Plasticity*, **2017**, 90, 66-75 | 7.6 | 56 |
| 98 | Interplay between Process Zone and Material Heterogeneities for Dynamic Cracks. *Physical Review Letters*, **2017**, 119, 144101 | 7.4 | 12 |
| 97 | The role of the roughness spectral breadth in elastic contact of rough surfaces. *Journal of the Mechanics and Physics of Solids*, **2017**, 107, 469-493 | 5 | 29 |
| 96 | Damage cluster distributions in numerical concrete at the mesoscale. *Physical Review E*, **2017**, 95, 043002 | 2.4 | 1 |
| 95 | On the debris-level origins of adhesive wear. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 7935-7940 | 11.5 | 51 |
| 94 | Dynamic crack propagation with a variational phase-field model: limiting speed, crack branching and velocity-toughening mechanisms. *International Journal of Fracture*, **2017**, 204, 79-100 | 2.3 | 65 |
| 93 | Avalanches in dry and saturated disordered media at fracture in shear and mixed mode scenarios. *Mechanics Research Communications*, **2017**, 80, 58-68 | 2.2 | 9 |
| 92 | Avalanches in dry and saturated disordered media at fracture. *Physical Review E*, **2016**, 93, 043002 | 2.4 | 21 |
| 91 | Critical length scale controls adhesive wear mechanisms. *Nature Communications*, **2016**, 7, 11816 | 17.4 | 124 |
| 90 | Length scale of interface heterogeneities selects propagation mechanism of frictional slip fronts. *Journal of the Mechanics and Physics of Solids*, **2016**, 88, 23-34 | 5 | 8 |
| 89 | Properties of the shear stress peak radiated ahead of rapidly accelerating rupture fronts that mediate frictional slip. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 542-7 | 11.5 | 36 |
| 88 | Effects of residual stresses on the tensile fatigue behavior of concrete. *Cement and Concrete Research*, **2016**, 89, 206-219 | 10.3 | 11 |

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| 87 | Linear Elastic Fracture Mechanics Predicts the Propagation Distance of Frictional Slip. *Tribology Letters*, **2015**, 57, 1 | 2.8 | 54 |
| 86 | Dynamic stability of displacement-based atomistic/continuum coupling methods. *Journal of the Mechanics and Physics of Solids*, **2015**, 80, 103-120 | 5 | 7 |
| 85 | Toward a 3D coupled atomistic and discrete dislocation dynamics simulation: dislocation core structures and Peierls stresses with several character angles in FCC aluminum. *Advanced Modeling and Simulation in Engineering Sciences*, **2015**, 2, | 2.7 | 25 |
| 84 | MD/FE Multiscale Modeling of Contact. *Nanoscience and Technology*, **2015**, 289-312 | 0.6 | 3 |
| 83 | The role of viscoelasticity on heterogeneous stress fields at frictional interfaces. *Mechanics of Materials*, **2015**, 80, 276-287 | 3.3 | 10 |
| 82 | From infinitesimal to full contact between rough surfaces: Evolution of the contact area. *International Journal of Solids and Structures*, **2015**, 52, 83-102 | 3.1 | 148 |
| 81 | A new formulation for imposing Dirichlet boundary conditions on non-matching meshes. *International Journal for Numerical Methods in Engineering*, **2015**, 103, 430-444 | 2.4 | 18 |
| 80 | Toward Demystifying the Mohs Hardness Scale. *Journal of the American Ceramic Society*, **2015**, 98, 2681-2688 | 3.5 | 3 |
| 79 | A non-local continuum damage approach to model dynamic crack branching. *International Journal for Numerical Methods in Engineering*, **2015**, 101, 933-949 | 2.4 | 32 |
| 78 | Implementation of a parallel finite-element library: Test case on a non-local continuum damage model. *Finite Elements in Analysis and Design*, **2015**, 100, 41-46 | 2.2 | 22 |
| 77 | Influence of internal impacts between fragments in dynamic brittle tensile fragmentation. *International Journal of Solids and Structures*, **2015**, 58, 247-256 | 3.1 | 7 |
| 76 | Dynamic crack propagation in a heterogeneous ceramic microstructure, insights from a cohesive model. *Acta Materialia*, **2015**, 88, 136-146 | 8.4 | 20 |
| 75 | Plastic activity in nanoscratch molecular dynamics simulations of pure aluminium. *International Journal of Plasticity*, **2014**, 53, 90-106 | 7.6 | 41 |
| 74 | A concurrent atomistic and continuum coupling method with applications to thermo-mechanical problems. *International Journal for Numerical Methods in Engineering*, **2014**, 97, 707-738 | 2.4 | 7 |
| 73 | The existence of a critical length scale in regularised friction. *Journal of the Mechanics and Physics of Solids*, **2014**, 63, 40-50 | 5 | 14 |
| 72 | The Contact of Elastic Regular Wavy Surfaces Revisited. *Tribology Letters*, **2014**, 56, 171-183 | 2.8 | 32 |
| 71 | Impact of internal crystalline boundaries on lattice thermal conductivity: Importance of boundary structure and spacing. *Applied Physics Letters*, **2014**, 105, 194102 | 3.4 | 9 |
| 70 | A study of frictional contact in dynamic fracture along bimaterial interfaces. *International Journal of Fracture*, **2014**, 189, 149-162 | 2.3 | 11 |

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| 69 | A hierarchical detection framework for computational contact mechanics. *Computer Methods in Applied Mechanics and Engineering*, **2014**, 268, 574-588 | 5.7 | 5 |
| 68 | On the influence of transgranular and intergranular failure mechanisms during dynamic loading of silicon nitride. *Acta Materialia*, **2014**, 67, 239-251 | 8.4 | 12 |
| 67 | A cohesive element model for mixed mode loading with frictional contact capability. *International Journal for Numerical Methods in Engineering*, **2013**, 93, 510-526 | 2.4 | 61 |
| 66 | A molecular dynamics and finite elements study of nanoscale thermal contact conductance. *International Journal of Heat and Mass Transfer*, **2013**, 59, 384-392 | 4.9 | 11 |
| 65 | Insights into the thermo-mechanics of orthogonal nanometric machining. *Computational Materials Science*, **2013**, 72, 116-126 | 3.2 | 27 |
| 64 | A constrained-optimization methodology for the detection phase in contact mechanics simulations. *International Journal for Numerical Methods in Engineering*, **2013**, 96, n/a-n/a | 2.4 | 2 |
| 63 | Direct visualization of single ions in the Stern layer of calcite. *Langmuir*, **2013**, 29, 2207-16 | 4 | 133 |
| 62 | Spatial filters for bridging molecular dynamics with finite elements at finite temperatures. *Computer Methods in Applied Mechanics and Engineering*, **2013**, 253, 28-38 | 5.7 | 14 |
| 61 | Relations between roughness, temperature and dry sliding friction at the atomic scale. *Tribology International*, **2013**, 59, 222-229 | 4.9 | 45 |
| 60 | Survival of heterogeneous stress distributions created by precursory slip at frictional interfaces. *Physical Review Letters*, **2013**, 111, 164302 | 7.4 | 30 |
| 59 | Numerical determination of the tensile response and the dissipated fracture energy of concrete: role of the mesostructure and influence of the loading rate. *International Journal for Numerical and Analytical Methods in Geomechanics*, **2013**, 37, 3112-3130 | 4 | 24 |
| 58 | Normal contact between rough surfaces by the Discrete Element Method. *Tribology International*, **2012**, 47, 1-8 | 4.9 | 27 |
| 57 | Molecular dynamics nano-scratching of aluminium: a novel quantitative energy-based analysis method. *Procedia IUTAM*, **2012**, 3, 192-204 | | 8 |
| 56 | A meso-mechanical model for concrete under dynamic tensile and compressive loading. *International Journal of Fracture*, **2012**, 178, 179-194 | 2.3 | 32 |
| 55 | On the Propagation of Slip Fronts at Frictional Interfaces. *Tribology Letters*, **2012**, 48, 27-32 | 2.8 | 44 |
| 54 | The effect of loading on surface roughness at the atomistic level. *Computational Mechanics*, **2012**, 50, 273-283 | 4 | 27 |
| 53 | Dynamic fragmentation of a brittle plate under biaxial loading: strength or toughness controlled?. *International Journal of Fracture*, **2012**, 174, 203-215 | 2.3 | 18 |
| 52 | A finite temperature bridging domain method for MD-FE coupling and application to a contact problem. *Computer Methods in Applied Mechanics and Engineering*, **2012**, 205-208, 204-212 | 5.7 | 30 |

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| 51 | Contact between representative rough surfaces. *Physical Review E*, **2012**, 86, 035601 | 2.4 | 41 |
| 50 | Friction at the tool–chip interface during orthogonal nanometric machining. *Modelling and Simulation in Materials Science and Engineering*, **2012**, 20, 055007 | 2 | 16 |
| 49 | Optimum energy on the fragmentation of kidney stones by direct impact. *Engineering Computations* , **2011**, 28, 747-764 | 1.4 | 1 |
| 48 | Influence of the meso-structure in dynamic fracture simulation of concrete under tensile loading. *Cement and Concrete Research*, **2011**, 41, 1130-1142 | 10.3 | 89 |
| 47 | How the obscuration-zone hypothesis affects fragmentation: Illustration with the cohesive-element method. *International Journal of Fracture*, **2011**, 171, 125-137 | 2.3 | 3 |
| 46 | Dry Sliding Contact Between Rough Surfaces at the Atomistic Scale. *Tribology Letters*, **2011**, 44, 279-285 | 2.8 | 42 |
| 45 | Predicting variability in the dynamic failure strength of brittle materials considering pre-existing flaws. *Journal of the Mechanics and Physics of Solids*, **2011**, 59, 297-319 | 5 | 51 |
| 44 | The autocorrelation function for island areas on self-affine surfaces. *Journal of Physics Condensed Matter*, **2011**, 23, 215004 | 1.8 | 18 |
| 43 | Dynamic fragmentation of a ring: predictable fragment mass distributions. *Physical Review E*, **2010**, 82, 066105 | 2.4 | 14 |
| 42 | Finite element analysis of normal pressure hydrocephalus: influence of CSF content and anisotropy in permeability. *Applied Bionics and Biomechanics*, **2010**, 7, 187-197 | 1.6 | 4 |
| 41 | Sliding of rough surfaces and energy dissipation with a 3D multiscale approach. *International Journal for Numerical Methods in Engineering*, **2010**, 83, 1255-1271 | 2.4 | 16 |
| 40 | Dynamic fragmentation of ceramics, signature of defects and scaling of fragment sizes. *Journal of the Mechanics and Physics of Solids*, **2010**, 58, 12-26 | 5 | 78 |
| 39 | Finite element simulations of kidney stones fragmentation by direct impact: Tool geometry and multiple impacts. *International Journal of Engineering Science*, **2010**, 48, 253-264 | 5.7 | 5 |
| 38 | Contact mechanics at the nanoscale, a 3D multiscale approach. *International Journal for Numerical Methods in Engineering*, **2009**, 79, 1041-1067 | 2.4 | 27 |
| 37 | Deformation by grain boundary hinge-like behavior. *Materials Letters*, **2008**, 62, 57-60 | 3.3 | 6 |
| 36 | Effect of normal loading on grain boundary migration and sliding in copper. *Modelling and Simulation in Materials Science and Engineering*, **2008**, 16, 075007 | 2 | 12 |
| 35 | A new methodology for ranking scientific institutions. *Scientometrics*, **2008**, 75, 163-174 | 3 | 87 |
| 34 | Mathematical aspects of a new criterion for ranking scientific institutions based on the h-index. *Scientometrics*, **2008**, 75, 339-356 | 3 | 40 |

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|---|---|---|---|
| 33 | Computational micromechanics of dynamic compressive loading of a brittle polycrystalline material using a distribution of grain boundary properties. *Journal of the Mechanics and Physics of Solids*, **2008**, 56, 2618-2641 | 5 | 47 |
| 32 | A statistical investigation of the effects of grain boundary properties on transgranular fracture. *Acta Materialia*, **2008**, 56, 4739-4749 | 8.4 | 49 |
| 31 | The cohesive element approach to dynamic fragmentation: the question of energy convergence. *International Journal for Numerical Methods in Engineering*, **2007**, 69, 484-503 | 2.4 | 69 |
| 30 | Size and microstructure effects on the mechanical behavior of FCC bicrystals by quasicontinuum method. *Thin Solid Films*, **2007**, 515, 3158-3163 | 2.2 | 13 |
| 29 | Atomistic based continuum investigation of plastic deformation in nanocrystalline copper. *International Journal of Plasticity*, **2006**, 22, 754-774 | 7.6 | 105 |
| 28 | Yield criteria and strain-rate behavior of Zr57.4Cu16.4Ni8.2Ta8Al10 metallic-glass-matrix composites. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2006**, 37, 3251-3258 | 2.3 | 24 |
| 27 | A semi-discrete and non-local crystal plasticity model for nanocrystalline metals. *Scripta Materialia*, **2006**, 54, 1397-1402 | 5.6 | 10 |
| 26 | Increased strain rate sensitivity due to stress-coupled grain growth in nanocrystalline Al. *Scripta Materialia*, **2006**, 55, 649-652 | 5.6 | 104 |
| 25 | Numerical Convergence of the Cohesive Element Approach in Dynamic Fragmentation Simulations. *AIP Conference Proceedings*, **2006**, | 0 | 2 |
| 24 | Characteristic fragment size distributions in dynamic fragmentation. *Applied Physics Letters*, **2006**, 88, 261918 | 3.4 | 33 |
| 23 | Analysis of the brittle fragmentation of an expanding ring. *Computational Materials Science*, **2006**, 37, 74-85 | 3.2 | 43 |
| 22 | Micromechanical finite element modeling of compressive fracture in confined alumina ceramic. *Acta Materialia*, **2006**, 54, 5135-5145 | 8.4 | 62 |
| 21 | An elastic-visco-plastic analysis of ductile expanding ring. *International Journal of Impact Engineering*, **2006**, 33, 880-891 | 4 | 56 |
| 20 | Effects of material properties on the fragmentation of brittle materials. *International Journal of Fracture*, **2006**, 139, 169-196 | 2.3 | 58 |
| 19 | Multiscale modeling of two-dimensional contacts. *Physical Review E*, **2006**, 74, 046710 | 2.4 | 92 |
| 18 | Finite element modeling of elasto-plastic contact between rough surfaces. *Journal of the Mechanics and Physics of Solids*, **2005**, 53, 2385-2409 | 5 | 250 |
| 17 | A rate-dependent cohesive model for simulating dynamic crack propagation in brittle materials. *Engineering Fracture Mechanics*, **2005**, 72, 1383-1410 | 4.2 | 149 |
| 16 | Micromechanics of deformation of metallic-glass-matrix composites from in situ synchrotron strain measurements and finite element modeling. *Acta Materialia*, **2005**, 53, 1883-1893 | 8.4 | 79 |

| # | Publication | IF | Cit. |
|---|---|---|---|
| 15 | Mechanical behavior of tilt grain boundaries in nanoscale Cu and Al: A quasicontinuum study. *Acta Materialia*, **2005**, 53, 1931-1944 | 8.4 | 191 |
| 14 | A cohesive model based fragmentation analysis: effects of strain rate and initial defects distribution. *International Journal of Solids and Structures*, **2005**, 42, 5181-5207 | 3.1 | 78 |
| 13 | On the rate-dependency of dynamic tensile strength of a model ceramic system. *Computer Methods in Applied Mechanics and Engineering*, **2005**, 194, 1693-1709 | 5.7 | 14 |
| 12 | Incidence of atom shuffling on the shear and decohesion behavior of a symmetric tilt grain boundary in copper. *Scripta Materialia*, **2004**, 50, 1283-1288 | 5.6 | 74 |
| 11 | Dynamic crack propagation with cohesive elements: a methodology to address mesh dependency. *International Journal for Numerical Methods in Engineering*, **2004**, 59, 1-24 | 2.4 | 156 |
| 10 | Three-dimensional numerical simulations of dynamic fracture in silicon carbide reinforced aluminum. *Engineering Fracture Mechanics*, **2004**, 71, 1357-1378 | 4.2 | 23 |
| 9 | Shear bands in dense metallic granular materials. *Journal of the Mechanics and Physics of Solids*, **2004**, 52, 499-531 | 5 | 48 |
| 8 | Stochastic fracture of ceramics under dynamic tensile loading. *International Journal of Solids and Structures*, **2004**, 41, 6573-6596 | 3.1 | 74 |
| 7 | Finite-element analysis of contact between elastic self-affine surfaces. *Physical Review E*, **2004**, 70, 026117 | 2.4 | 325 |
| 6 | Three-dimensional adaptive meshing by subdivision and edge-collapse in finite-deformation dynamic plasticity problems with application to adiabatic shear banding. *International Journal for Numerical Methods in Engineering*, **2002**, 53, 1101-1126 | 2.4 | 31 |
| 5 | Tetrahedral composite finite elements. *International Journal for Numerical Methods in Engineering*, **2002**, 53, 1337-1351 | 2.4 | 44 |
| 4 | A study of solid-particle erosion of metallic targets. *International Journal of Impact Engineering*, **2002**, 27, 347-358 | 4 | 51 |
| 3 | Finite element simulation of shaped charges. *Finite Elements in Analysis and Design*, **2002**, 38, 921-936 | 2.2 | 38 |
| 2 | Finite-element modeling of dry sliding wear in metals. *Engineering Computations*, **2001**, 18, 592-610 | 1.4 | 56 |
| 1 | Numerical Investigation of Dynamic Compressive Loading417-423 | | 1 |