

Min Zhou

List of Publications by Year in Descending Order

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

146
papers

5,212
citations

37
h-index

69
g-index

160
ext. papers

5,724
ext. citations

3.7
avg, IF

6.06
L-index

#	Paper	IF	Citations
146	Effect of void positioning on the detonation sensitivity of a heterogeneous energetic material. <i>Journal of Applied Physics</i> , 2022 , 131, 065101	2.5	1
145	Effects of flexoelectric and piezoelectric properties on the impact-driven ignition sensitivity of P(VDF-TrFE)/nAl films. <i>Combustion and Flame</i> , 2022 , 242, 112181	5.3	1
144	Repeatable mechanical energy absorption of ZnO nanopillars. <i>Materials Today Communications</i> , 2021 , 29, 102904	2.5	
143	Piezoelectric response of energetic composites under an electrostatic excitation. <i>Journal of Applied Physics</i> , 2021 , 129, 245103	2.5	1
142	Effect of grain orientations on fracture behavior of polycrystalline metals. <i>Journal of the Mechanics and Physics of Solids</i> , 2021 , 151, 104384	5	3
141	Three-dimensional microstructure-explicit and void-explicit mesoscale simulations of detonation of HMX at millimeter sample size scale. <i>Journal of Applied Physics</i> , 2020 , 127, 125105	2.5	4
140	A computational framework for predicting the fracture toughness of metals as function of microstructure. <i>Journal of the Mechanics and Physics of Solids</i> , 2020 , 142, 103955	5	5
139	High-speed x-ray phase contrast imaging and digital image correlation analysis of microscale shock response of an additively manufactured energetic material simulant. <i>Journal of Applied Physics</i> , 2020 , 127, 235902	2.5	5
138	Computational Design of Three-Dimensional Multi-Constituent Material Microstructure Sets with Prescribed Statistical Constituent and Geometric Attributes. <i>Multiscale Science and Engineering</i> , 2020 , 2, 7-19	1.2	3
137	Prediction of Probabilistic Detonation Threshold via Millimeter-Scale Microstructure-Explicit and Void-Explicit Simulations. <i>Propellants, Explosives, Pyrotechnics</i> , 2020 , 45, 254-269	1.7	10
136	Thermo-Mechanical Response of an Additively Manufactured Energetic Material Simulant to Dynamic Loading. <i>Journal of Dynamic Behavior of Materials</i> , 2020 , 6, 502-519	1.8	
135	Integrated Lagrangian and Eulerian 3D microstructure-explicit simulations for predicting macroscopic probabilistic SDT thresholds of energetic materials. <i>Computational Mechanics</i> , 2019 , 64, 547-561	4	6
134	Ignition thresholds of aluminized HMX-based polymer-bonded explosives. <i>AIP Advances</i> , 2019 , 9, 045103	1.5	5
133	Novel Capability for Microscale In-situ Imaging of Temperature and Deformation Fields under Dynamic Loading. <i>Experimental Mechanics</i> , 2019 , 59, 775-790	2.6	7
132	A general scenario of fish-eye crack initiation on the life of high-strength steels in the very high-cycle fatigue regime. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2019 , 42, 2183-2194	1.94	13
131	Indentation on a one-dimensional hexagonal quasi-crystal half-space by an elliptic indenter. <i>Meccanica</i> , 2019 , 54, 1225-1243	2.1	3
130	Energy dissipation in polymer-bonded explosives with various levels of constituent plasticity and internal friction. <i>Computational Materials Science</i> , 2019 , 159, 136-149	3.2	22

129	Effect of competing mechanisms on fracture toughness of metals with ductile grain structures. <i>Engineering Fracture Mechanics</i> , 2019 , 205, 14-27	4.2	8
128	Prediction of shock initiation thresholds and ignition probability of polymer-bonded explosives using mesoscale simulations. <i>Journal of the Mechanics and Physics of Solids</i> , 2018 , 114, 97-116	5	37
127	Geometry and Size Effects in Response of Composite Structures Subjected to Water-Based Impulsive Loading. <i>Springer Transactions in Civil and Environmental Engineering</i> , 2018 , 443-470	0.4	
126	Micro-crack initiation and propagation in a high strength aluminum alloy during very high cycle fatigue. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 715, 404-413	5.3	25
125	Computational study of ignition behavior and hotspot dynamics of a potential class of aluminized explosives. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2018 , 26, 085004	2	3
124	Quantification of probabilistic ignition thresholds of polymer-bonded explosives with microstructure defects. <i>Journal of Applied Physics</i> , 2018 , 124, 165110	2.5	18
123	Synergistic Enhancement of Thermal Conductivity and Dielectric Properties in Al _{0.7} BaTiO ₃ /PP Composites. <i>Materials</i> , 2018 , 11,	3.5	15
122	Response of Cylindrical Composite Structures Subjected to Underwater Impulsive Loading: Experimentations and Computations. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2017 , 139,	1.8	9
121	Grain boundary sliding mechanism in plastic deformation of nano-grained YAG transparent ceramics: Generalized self-consistent model and nanoindentation experimental validation. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 2705-2715	6	9
120	Multi-scale peridynamic modeling of dynamic fracture in concrete 2017 ,		3
119	Deformation-induced blueshift in emission spectrum of CdTe quantum dot composites. <i>Composites Part B: Engineering</i> , 2017 , 120, 54-62	10	4
118	Electrochemical synthesis of Li-Mo-O compounds as novel and high performance anode materials for lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2017 , 712, 555-559	5.7	6
117	Effect of viscoplasticity on ignition sensitivity of an HMX based PBX 2017 ,		5
116	Implosion of composite cylinders due to underwater impulsive loads 2017 , 239-262		3
115	Novel experimental and 3D multiphysics computational framework for analyzing deformation and failure of composite laminates subjected to water blasts. <i>International Journal of Impact Engineering</i> , 2017 , 106, 223-237	4	9
114	High-speed Digital Imaging and Computational Modeling of Hybrid Metal-Composite Plates Subjected to Water-based Impulsive Loading. <i>Experimental Mechanics</i> , 2016 , 56, 545-567	2.6	6
113	Exploration of CdTe quantum dots as mesoscale pressure sensors via time-resolved shock-compression photoluminescent emission spectroscopy. <i>Journal of Applied Physics</i> , 2016 , 120, 043107	2.5	14
112	Compressive response of sandwich plates to water-based impulsive loading. <i>International Journal of Impact Engineering</i> , 2016 , 93, 196-210	4	26

111	Prediction of fracture toughness scatter of composite materials. <i>Computational Materials Science</i> , 2016 , 116, 44-51	3.2	10
110	Laser-excited optical emission response of CdTe quantum dot/polymer nanocomposite under shock compression. <i>Applied Physics Letters</i> , 2016 , 108, 011908	3.4	14
109	Computational prediction of probabilistic ignition threshold of pressed granular octahydro-1,3,5,7-tetranitro-1,2,3,5-tetrazocine (HMX) under shock loading. <i>Journal of Applied Physics</i> , 2016 , 120, 115902	2.5	26
108	Ignition Desensitization of PBX via Aluminization. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2015 , 46, 4578-4586	2.3	9
107	Size- and structure-dependence of thermal and mechanical behaviors of single-crystalline and polytypic superlattice ZnS nanowires. <i>Journal of Applied Physics</i> , 2015 , 117, 214307	2.5	3
106	Dynamic Fracture and Dissipation Behaviors of Concrete at the Mesoscale. <i>International Journal of Applied Mechanics</i> , 2015 , 07, 1550038	2.4	3
105	High-speed digital imaging and computational modeling of dynamic failure in composite structures subjected to underwater impulsive loads. <i>International Journal of Impact Engineering</i> , 2015 , 77, 147-165	4	65
104	Response of submerged metallic sandwich structures to underwater impulsive loads. <i>Journal of Mechanics of Materials and Structures</i> , 2015 , 10, 17-41	1.2	9
103	Experimental investigation and multiscale modeling of ultra-high-performance concrete panels subject to blast loading. <i>International Journal of Impact Engineering</i> , 2014 , 69, 95-103	4	39
102	Analysis of thermomechanical response of polycrystalline HMX under impact loading through mesoscale simulations. <i>AIP Advances</i> , 2014 , 4, 097136	1.5	19
101	Structure and thermomechanical behavior of bent GaN nanowires. <i>Computational Materials Science</i> , 2014 , 81, 524-529	3.2	3
100	Simulation of single fiber pullout response with account of fiber morphology. <i>Cement and Concrete Composites</i> , 2014 , 48, 42-52	8.6	22
99	Microscopic modelling of ignition and burning for well-arranged energetic crystals in response to drop-weight impact. <i>Journal of Physics: Conference Series</i> , 2014 , 500, 052051	0.3	0
98	Response of Cylindrical Composite Structures to Underwater Impulsive Loading. <i>Procedia Engineering</i> , 2014 , 88, 69-76		15
97	Density functional theory study of the mechanism of Li diffusion in rutile RuO ₂ . <i>AIP Advances</i> , 2014 , 4, 017104	1.5	19
96	Ignition probability of polymer-bonded explosives accounting for multiple sources of material stochasticity. <i>Journal of Applied Physics</i> , 2014 , 115, 174902	2.5	27
95	Multi-Physics Modeling of Fire-Induced Damage in High-Performance Concrete. <i>International Journal of Multiphysics</i> , 2014 , 8, 101-122	0.6	1
94	A Multiscale Framework for Predicting Fracture Toughness of Polycrystalline Metals. <i>Materials Performance and Characterization</i> , 2014 , 3, 20130064	0.5	

93	Computational analysis of temperature rises in microstructures of HMX-Estane PBXs. <i>Computational Mechanics</i> , 2013 , 52, 151-159	4	31
92	Mechanical reliability of alloy-based electrode materials for rechargeable Li-ion batteries. <i>Journal of Mechanical Science and Technology</i> , 2013 , 27, 1205-1224	1.6	29
91	Materials science. Exceptional properties by design. <i>Science</i> , 2013 , 339, 1161-2	33.3	29
90	Coupled mechano-diffusional driving forces for fracture in electrode materials. <i>Journal of Power Sources</i> , 2013 , 230, 176-193	8.9	62
89	Effect of microstructure on load-carrying and energy-dissipation capacities of UHPC. <i>Cement and Concrete Research</i> , 2013 , 43, 34-50	10.3	22
88	Experimental method for dynamic residual strength characterisation of aircraft sandwich structures. <i>International Journal of Crashworthiness</i> , 2013 , 18, 64-81	1	5
87	Microstructure-performance relations of ultra-high-performance concrete accounting for effect of alpha-quartz-to-coesite silica phase transformation. <i>International Journal of Solids and Structures</i> , 2013 , 50, 1879-1896	3.1	2
86	Ignition criterion for heterogeneous energetic materials based on hotspot size-temperature threshold. <i>Journal of Applied Physics</i> , 2013 , 113, 064906	2.5	69
85	Ab initio study of the fracture energy of LiFePO ₄ /FePO ₄ interfaces. <i>Journal of Power Sources</i> , 2013 , 243, 706-714	8.9	18
84	Stress relaxation through interdiffusion in amorphous lithium alloy electrodes. <i>Journal of the Mechanics and Physics of Solids</i> , 2013 , 61, 579-596	5	28
83	Prediction of fracture toughness of ceramic composites as function of microstructure: II. analytical model. <i>Journal of the Mechanics and Physics of Solids</i> , 2013 , 61, 489-503	5	27
82	Prediction of fracture toughness of ceramic composites as function of microstructure: I. Numerical simulations. <i>Journal of the Mechanics and Physics of Solids</i> , 2013 , 61, 472-488	5	58
81	Thermal conductivity prediction for GaN nanowires from atomistic potential. <i>AIP Advances</i> , 2013 , 3, 072123	1.3	4
80	Prediction of probabilistic ignition behavior of polymer-bonded explosives from microstructural stochasticity. <i>Journal of Applied Physics</i> , 2013 , 113, 184907	2.5	36
79	Computational Analysis of Ignition in Heterogeneous Energetic Materials. <i>Materials Science Forum</i> , 2013 , 767, 13-21	0.4	10
78	Experimental Analysis of Dynamic Deformation and Damage in Composite Sandwich Structures Subjected to Underwater Impulsive Loads. <i>Conference Proceedings of the Society for Experimental Mechanics</i> , 2013 , 275-286	0.3	1
77	Effect of Facesheet Thickness on Dynamic Response of Composite Sandwich Plates to Underwater Impulsive Loading. <i>Experimental Mechanics</i> , 2012 , 52, 83-93	2.6	37
76	Determination of fracture toughness of AZ31 Mg alloy using the cohesive finite element method. <i>Engineering Fracture Mechanics</i> , 2012 , 96, 401-415	4.2	36

75	Strong dependency of lithium diffusion on mechanical constraints in high-capacity Li-ion battery electrodes. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2012 , 28, 1068-1077	2	17
74	Microstructural level response of HMX/Estane polymer-bonded explosive under effects of transient stress waves. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2012 , 468, 3725-3744	2.4	38
73	Energy dissipation in ultra-high performance fiber-reinforced concrete (UHPFRC) subjected to rapid loading 2012 ,		2
72	Heating in microstructures of HMX/Estane PBX during dynamic deformation 2012 ,		6
71	Thermal and mechanical response of [0001]-oriented GaN nanowires during tensile loading and unloading. <i>Journal of Applied Physics</i> , 2012 , 112, 083522	2.5	19
70	Energy localization in HMX-Estane polymer-bonded explosives during impact loading. <i>Journal of Applied Physics</i> , 2012 , 111, 054902	2.5	83
69	Effect of core density on deformation and failure in sandwich composites subjected to underwater impulsive loads. <i>International Journal of Multiphysics</i> , 2012 , 6, 241-266	0.6	10
68	A Lagrangian framework for analyzing microstructural level response of polymer-bonded explosives. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2011 , 19, 055001	2	110
67	Silicon-Carbon Nanotube Coaxial Sponge as Li-Ion Anodes with High Areal Capacity. <i>Advanced Energy Materials</i> , 2011 , 1, 523-527	21.8	206
66	Strain dependence of thermal conductivity of [0001]-oriented GaN nanowires. <i>Applied Physics Letters</i> , 2011 , 98, 041909	3.4	15
65	Strong stress-enhanced diffusion in amorphous lithium alloy nanowire electrodes. <i>Journal of Applied Physics</i> , 2011 , 109, 014310	2.5	65
64	A Framework for Analyzing the Microstructure Level Thermomechanical Response Polymer Bonded Explosives. <i>Materials Science Forum</i> , 2011 , 673, 21-33	0.4	2
63	Wurtzite-to-tetragonal structure phase transformation and size effect in ZnO nanorods. <i>Journal of Applied Physics</i> , 2010 , 107, 023512	2.5	27
62	Surface transformation and inversion domain boundaries in gallium nitride nanorods. <i>Applied Physics Letters</i> , 2009 , 95, 211907	3.4	15
61	Mechanism for the Pseudoelastic Behavior of FCC Shape Memory Nanowires. <i>Experimental Mechanics</i> , 2009 , 49, 183-190	2.6	8
60	A semi-analytical method for quantifying the size-dependent elasticity of nanostructures. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2008 , 16, 025002	2	32
59	?Stability of wurtzite, unbuckled wurtzite, and rocksalt phases of SiC, GaN, InN, ZnO, and CdSe under loading of different triaxialities. <i>Physical Review B</i> , 2008 , 77,	3.3	58
58	Effect of load triaxiality on polymorphic transitions in zinc oxide. <i>Mechanics Research Communications</i> , 2008 , 35, 73-80	2.2	11

57	Continuum characterization of novel pseudoelasticity of ZnO nanowires. <i>Journal of the Mechanics and Physics of Solids</i> , 2008 , 56, 2473-2493	5	6
56	Novel mechanical behavior of ZnO nanorods. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2008 , 197, 3182-3189	5-7	61
55	Characterization of novel pseudoelastic behaviour of zinc oxide nanowires. <i>Philosophical Magazine</i> , 2007 , 87, 2117-2134	1.6	10
54	Atomistic investigation of the effects of temperature and surface roughness on diffusion bonding between Cu and Al. <i>Acta Materialia</i> , 2007 , 55, 3169-3175	8.4	113
53	Analyses of tensile deformation of nanocrystalline β -Fe ₂ O ₃ +fcc-Al composites using molecular dynamics simulations. <i>Journal of the Mechanics and Physics of Solids</i> , 2007 , 55, 1053-1085	5	35
52	A micromechanical continuum model for the tensile behavior of shape memory metal nanowires. <i>Journal of the Mechanics and Physics of Solids</i> , 2007 , 55, 1729-1761	5	24
51	Molecular dynamics and density functional studies of a body-centered-tetragonal polymorph of ZnO. <i>Physical Review B</i> , 2007 , 76,	3-3	74
50	Discovery, characterization and modelling of novel shape memory behaviour of fcc metal nanowires. <i>Philosophical Magazine</i> , 2007 , 87, 2191-2220	1.6	23
49	Tunable thermal response of ZnO nanowires. <i>Nanotechnology</i> , 2007 , 18, 435706	3-4	24
48	Shape Memory Effect and Pseudoelasticity in Cu Nanowires 2007 , 135-144		
47	Tension-compression strength asymmetry of nanocrystalline β -Fe ₂ O ₃ +fcc-Al ceramic-metal composites. <i>Applied Physics Letters</i> , 2006 , 88, 233107	3-4	22
46	Classical molecular-dynamics potential for the mechanical strength of nanocrystalline composite fcc Al+ β -Fe ₂ O ₃ . <i>Physical Review B</i> , 2006 , 73,	3-3	22
45	Size-dependent thermal conductivity of zinc oxide nanobelts. <i>Applied Physics Letters</i> , 2006 , 88, 141921	3-4	64
44	Novel phase transformation in ZnO nanowires under tensile loading. <i>Physical Review Letters</i> , 2006 , 97, 105502	7-4	162
43	Atomistic simulations reveal shape memory of fcc metal nanowires. <i>Physical Review B</i> , 2006 , 73,	3-3	136
42	Surface-effects-dominated thermal and mechanical responses of zinc oxide nanobelts. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2006 , 22, 217-224	2	37
41	Strength Analyses of FE ₂ O ₃ +Al Nanocomposites Using Classical Molecular Dynamics 2005 , 439		1
40	Pseudoelasticity of Single Crystalline Cu Nanowires Through Reversible Lattice Reorientations. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2005 , 127, 423-433	1.8	79

39	Orientation and size dependence of the elastic properties of zinc oxide nanobelts. <i>Nanotechnology</i> , 2005 , 16, 2749-2756	3.4	216
38	Thermomechanical continuum representation of atomistic deformation at arbitrary size scales. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2005 , 461, 3437-3472 ^{2.4}		23
37	Deterministic and stochastic analyses of fracture processes in a brittle microstructure system. <i>Engineering Fracture Mechanics</i> , 2005 , 72, 1920-1941	4.2	33
36	Shape memory effect in Cu nanowires. <i>Nano Letters</i> , 2005 , 5, 2039-43	11.5	208
35	Special Issue on Nanomaterials and Nanomechanics. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2005 , 127, 357-357	1.8	
34	A Study of Shock-Wave Propagation in Single Crystalline fcc-Al and γ -Fe ₂ O ₃ and an Interface between Two Such Phases Using MD Simulations. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 896, 31		2
33	Molecular Dynamics Simulation of Shock Induced Detonation. <i>AIP Conference Proceedings</i> , 2004 ,	0	2
32	A Molecular Dynamics Simulation Framework for an Al+Fe ₂ O ₃ Reactive Metal Powder Mixture. <i>Materials Research Society Symposia Proceedings</i> , 2004 , 821, 140		2
31	Micromechanical Simulation of Dynamic Fracture Using the Cohesive Finite Element Method. <i>Journal of Engineering Materials and Technology, Transactions of the ASME</i> , 2004 , 126, 179-191	1.8	80
30	Bounds for element size in a variable stiffness cohesive finite element model. <i>International Journal for Numerical Methods in Engineering</i> , 2004 , 61, 1894-1920	2.4	131
29	A novel technique for time-resolved detection and tracking of interfacial and matrix fracture in layered materials. <i>Journal of the Mechanics and Physics of Solids</i> , 2004 , 52, 2771-2799	5	10
28	Response of copper nanowires in dynamic tensile deformation. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2004 , 218, 599-606	1.3	61
27	Effect of Microstructure on Dynamic Failure Resistance of Titanium Diboride/Alumina Ceramics. <i>Journal of the American Ceramic Society</i> , 2003 , 86, 449-457	3.8	28
26	A new look at the atomic level virial stress: on continuum-molecular system equivalence. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2003 , 459, 2347-2392 ^{2.4}		378
25	Size and Strain Rate Effects in Tensile Deformation of CU Nanowires 2003 ,		3
24	Modeling and Simulation of the Mechanical Response of Nanowires 2003 , 125-155		0
23	Equivalent continuum for dynamically deforming atomistic particle systems. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 2002 , 82, 2547-2574		42
22	The Virial Stress Is Not a Measure of Mechanical Stress. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 731, 261		1

21	Characterization of Impact in Composite Laminates. <i>AIP Conference Proceedings</i> , 2002 ,	0	4
20	Dynamic high-strain-rate mechanical behavior of microstructurally biased two-phase TIB2+AL2O3 ceramics. <i>Journal of Applied Physics</i> , 2002 , 91, 1921-1927	2.5	9
19	Dynamic behavior of concrete at high strain rates and pressures: I. experimental characterization. <i>International Journal of Impact Engineering</i> , 2001 , 25, 869-886	4	449
18	Dynamic behavior of concrete at high strain rates and pressures: II. numerical simulation. <i>International Journal of Impact Engineering</i> , 2001 , 25, 887-910	4	84
17	Experimental characterization of the dynamic failure behavior of mortar under impact loading. <i>Journal of Applied Physics</i> , 2001 , 89, 2115-2123	2.5	14
16	Modelling of micromechanical fracture using a cohesive finite element method. <i>AIP Conference Proceedings</i> , 2000 ,	0	2
15	Finite element analysis of micromechanical failure modes in a heterogeneous ceramic material system. <i>International Journal of Fracture</i> , 2000 , 101, 161-180	2.3	49
14	Time-Resolved Impact Response and Damage of Fiber-Reinforced Composite Laminates. <i>Journal of Composite Materials</i> , 2000 , 34, 879-904	2.7	16
13	Post-Impact Behaviour of Polymeric Composites and the Effects of Salt Water Aging on Tensile Properties. <i>Advanced Composites Letters</i> , 1999 , 8, 096369359900800	1.2	
12	Separation of elastic waves in split Hopkinson bars using one-point strain measurements. <i>Experimental Mechanics</i> , 1999 , 39, 287-294	2.6	39
11	An analysis of the dynamic shear failure resistance of structural metals. <i>Journal of the Mechanics and Physics of Solids</i> , 1998 , 46, 2155-2170	5	39
10	On the growth of shear bands and failure-mode transition in prenotched plates: A comparison of singly and doubly notched specimens. <i>International Journal of Plasticity</i> , 1998 , 14, 435-451	7.6	23
9	The growth of shear bands in composite microstructures. <i>International Journal of Plasticity</i> , 1998 , 14, 733-754	7.6	15
8	Dynamic Constitutive and Failure Behavior of a Two-Phase Tungsten Composite. <i>Journal of Applied Mechanics, Transactions ASME</i> , 1997 , 64, 487-494	2.7	44
7	Dynamic ductile rupture under conditions of plane strain. <i>International Journal of Impact Engineering</i> , 1997 , 19, 189-206	4	19
6	Dynamically propagating shear bands in impact-loaded prenotched plates I. Experimental investigations of temperature signatures and propagation speed. <i>Journal of the Mechanics and Physics of Solids</i> , 1996 , 44, 981-1006	5	221
5	Dynamically propagating shear bands in impact-loaded prenotched plates II. Numerical simulations. <i>Journal of the Mechanics and Physics of Solids</i> , 1996 , 44, 1007-1032	5	165
4	Finite element simulations of shear localization in plate impact. <i>Journal of the Mechanics and Physics of Solids</i> , 1994 , 42, 423-458	5	97

3	Microwave Stimulation of Energetic Al-Based Nanoparticle Composites for Ignition Modulation. <i>ACS Applied Nano Materials,</i>	5.6	1
2	Time-Resolved Impact Response and Damage of Fiber-Reinforced Composite Laminates		2
1	Equivalent continuum for dynamically deforming atomistic particle systems		4