Zhiliang Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

306 papers	7,843 citations	50276 46 h-index	88630 70 g-index
311 all docs	311 docs citations	311 times ranked	5388 citing authors

#	Article	IF	Citations
1	A framework for predicting the local stress-strain behaviors of additively manufactured multiphase alloys in the sequential layers. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 832, 142367.	5.6	5
2	Anti-gas hydrate surfaces: perspectives, progress and prospects. Journal of Materials Chemistry A, 2022, 10, 379-406.	10.3	14
3	Thermal transport in silver-coated polymer sphere composites by the bidirectional 3Ï‰ method. Journal of Applied Physics, 2022, 131, 125107.	2.5	1
4	Atomistic Insights into the Droplet Size Evolution during Self-Microemulsification. Langmuir, 2022, 38, 3129-3138.	3.5	3
5	Assembly of Graphene Platelets for Bioinspired, Stimuli-Responsive, Low Ice Adhesion Surfaces. ACS Omega, 2022, 7, 10225-10234.	3.5	0
6	A microstructure informed and mixed-mode cohesive zone approach to simulating hydrogen embrittlement. International Journal of Hydrogen Energy, 2022, 47, 17479-17493.	7.1	6
7	Simulation of ductile-to-brittle transition combining complete Gurson model and CZM with application to hydrogen embrittlement. Engineering Fracture Mechanics, 2022, 268, 108511.	4.3	12
8	Towards the â€œsustainableâ€•operation at -30ÂÂ°C without the expense of energy for heating on-face electronics: Intelligent heat conservation and waste heat utilization. Energy Reports, 2022, 8, 6753-6763.	5.1	1
9	Phonon thermal transport in copper: The effect of size, crystal orientation, and grain boundaries. AIP Advances, 2022, 12, .	1.3	2
10	Coil Positioning Based on DC Pre-excitation and Magnetic Sensing for Wireless Electric Vehicle Charging. IEEE Transactions on Industrial Electronics, 2021, 68, 3820-3830.	7.9	19
11	A framework for classification of snow- and icephobicity. Journal of Adhesion Science and Technology, 2021, 35, 1087-1098.	2.6	4
12	A multi-barrier model assisted CAFE method for predicting ductile-to-brittle transition with application to a low-carbon ultrahigh-strength steel. Mechanics of Materials, 2021, 153, 103669.	3.2	4
13	Inductor Current Step Control with Input Voltage Feedforward for Fast Load Transient of Energy Recycling DC Electronic Load. IEEE Transactions on Power Electronics, 2021, , 1-1.	7.9	1
14	Reconfigurable Mechanical Anisotropy in Selfâ€Assembled Magnetic Superstructures. Advanced Science, 2021, 8, 2002683.	11.2	6
15	Simultaneously Toughening and Stiffening Elastomers with Octuple Hydrogen Bonding. Advanced Materials, 2021, 33, e2008523.	21.0	92
16	Thermal Transport in Polyethylene: The Effect of Force Fields and Crystallinity. Macromolecules, 2021, 54, 6563-6574.	4.8	19
17	A Sensorless Model-Based Digital Driving Scheme for Synchronous Rectification in 1-kV Input 1-MHz GaN LLC Converters. IEEE Transactions on Power Electronics, 2021, 36, 8359-8369.	7.9	16
18	Efficiency Optimization Based Parameter Design Method for the Capacitive Power Transfer System. IEEE Transactions on Power Electronics, 2021, 36, 8774-8785.	7.9	17

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19	Nanomechanical characteristics of trapped oil droplets with nanoparticles: A molecular dynamics simulation. Journal of Petroleum Science and Engineering, 2021, 203, 108649.	4.2	16
20	Dynamic Antiâ€icing Surfaces (DAIS). Advanced Science, 2021, 8, e2101163.	11.2	49
21	Linearâ€“Nonlinear Optimal Step Control for 1-kV SiC LLC Converters With Pulse Loads. IEEE Transactions on Power Electronics, 2021, 36, 12008-12018.	7.9	3
22	Multifunction Capability of SiC Bidirectional Portable Chargers for Electric Vehicles. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 6184-6195.	5.4	20
23	Triple-Coil-Structure-Based Coil Positioning System for Wireless EV Charger. IEEE Transactions on Power Electronics, 2021, 36, 13515-13525.	7.9	13
24	Gels as emerging anti-icing materials: a mini review. Materials Horizons, 2021, 8, 3266-3280.	12.2	49
25	Machine Learning Based Prediction of Nanoscale Ice Adhesion on Rough Surfaces. Coatings, 2021, 11, 33.	2.6	9
26	Design of Icephobic Surfaces by Lowering Ice Adhesion Strength: A Mini Review. Coatings, 2021, 11, 1343.	2.6	34
27	Unraveling Adhesion Strength between Gas Hydrate and Solid Surfaces. Langmuir, 2021, 37, 13873-13881.	3.5	14
28	Contact area measurement of micron-sized metal-coated polymer particles under compression. International Journal of Mechanical Sciences, 2020, 165, 105214.	6.7	14
29	Four-point transient potential drop measurements on metal plates. Measurement Science and Technology, 2020, 31, 024006.	2.6	2
30	Stressâ€“strain curves of metallic materials and postâ€necking strain hardening characterization: A review. Fatigue and Fracture of Engineering Materials and Structures, 2020, 43, 3-19.	3.4	89
31	The need for standards in low ice adhesion surface research: a critical review. Journal of Adhesion Science and Technology, 2020, 34, 319-347.	2.6	76
32	Effect of grain boundary on the crack-tip plasticity under hydrogen environment: An atomistic study. Journal of Applied Physics, 2020, 127, .	2.5	3
33	Ultrafast self-healing and highly transparent coating with mechanically durable icephobicity. Applied Materials Today, 2020, 19, 100542.	4.3	40
34	Effect of thermal residual stresses on ductile-to-brittle transition of a bi-material specimen by using the CAFE method. European Journal of Mechanics, A/Solids, 2020, 80, 103889.	3.7	2
35	Analysis and Improvement of Capacitance Effects in 360â€“800ÂHz Variable On-Time Controlled CRM Boost PFC Converters. IEEE Transactions on Power Electronics, 2020, 35, 7480-7491.	7.9	10
36	1-kV Input 1-MHz GaN Stacked Bridge $extit{LLC}$ Converters. IEEE Transactions on Industrial Electronics, 2020, 67, 9227-9237.	7.9	6

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37	Avoiding snow and ice accretion on building integrated photovoltaics â€“ challenges, strategies, and opportunities. Solar Energy Materials and Solar Cells, 2020, 206, 110306.	6.2	45
38	Stability, deformation and rupture of Janus oligomer enabled self-emulsifying water-in-oil microemulsion droplets. Physical Chemistry Chemical Physics, 2020, 22, 24907-24916.	2.8	4
39	A Sensorless Synchronous Rectification Driving Scheme in 1-kV Input 1-MHz GaN LLC Converters with Matrix Transformers*. , 2020, , .		0
40	Modelling the combined effects of hydrogen traps and surface films on hydrogen permeation in ferritic steels. Anti-Corrosion Methods and Materials, 2020, 67, 240-247.	1.5	1
41	Self-Deicing Electrolyte Hydrogel Surfaces with Pa-level Ice Adhesion and Durable Antifreezing/Antifrost Performance. ACS Applied Materials & Interfaces, 2020, 12, 35572-35578.	8.0	65
42	Nanoconfined Water Dynamics in Multilayer Graphene Nanopores. Journal of Physical Chemistry C, 2020, 124, 17819-17828.	3.1	21
43	Extraordinary Response of H-Charged and H-Free Coherent Grain Boundaries in Nickel to Multiaxial Loading. Crystals, 2020, 10, 590.	2.2	4
44	Insight into the pressure-induced displacement mechanism for selecting efficient nanofluids in various capillaries. Environmental Science: Nano, 2020, 7, 2785-2794.	4.3	11
45	Anti-icing Ionogel Surfaces: Inhibiting Ice Nucleation, Growth, and Adhesion. , 2020, 2, 616-623.		52
46	Design and preparation of icephobic PDMS-based coatings by introducing an aqueous lubricating layer and macro-crack initiators at the ice-substrate interface. Progress in Organic Coatings, 2020, 147, 105737.	3.9	35
47	SiC MOSFETs Gate Driver With Minimum Propagation Delay Time and Auxiliary Power Supply With Wide Input Voltage Range for High-Temperature Applications. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 417-428.	5.4	17
48	The effects of morphology and temperature on the tensile characteristics of carbon nitride nanothreads. Nanoscale, 2020, 12, 12462-12475.	5.6	8
49	Wide Input Voltage DC Electronic Load ArchitectureÂWith SiC MOSFETs for High Efficiency Energy Recycling. IEEE Transactions on Power Electronics, 2020, 35, 13053-13067.	7.9	8
50	CO2 wetting on pillar-nanostructured substrates. Nanotechnology, 2020, 31, 245403.	2.6	6
51	Seamless Transition Mode Control for SiC Energy-recycling DC Electronic Loads. , 2020, , .		2
52	Supergiant elasticity and fracture of 3D spirally wound $$hbox {MoS}_{mathbf{2}}$$. International Journal of Fracture, 2020, 223, 39-52.	2.2	6
53	Enabling phase transition of infused lubricant in porous structure for exceptional oil/water separation. Journal of Hazardous Materials, 2020, 390, 122176.	12.4	30
54	Nanoscale Correlations of Ice Adhesion Strength and Water Contact Angle. Coatings, 2020, 10, 379.	2.6	20

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55	Enhancement of Thermal Boundary Conductance of Metalâ€“Polymer System. Nanomaterials, 2020, 10, 670.	4.1	20
56	Modeling of Non-Linear and Hysteretic Magnetization Effects in Transient Potential Drop Measurements. Studies in Applied Electromagnetics and Mechanics, 2020, , .	0.2	0
57	Precise Analysis for Strong Coupling WPT System. , 2020, , .		0
58	Common-Mode Noise Modeling and Reduction for 1-MHz eGaN Multioutput DCâ€“DC Converters. IEEE Transactions on Power Electronics, 2019, 34, 3239-3254.	7.9	33
59	Modeling and Design of Contactless Sliprings for Rotary Applications. IEEE Transactions on Industrial Electronics, 2019, 66, 4130-4140.	7.9	18
60	Enabling sequential rupture for lowering atomistic ice adhesion. Nanoscale, 2019, 11, 16262-16269.	5.6	20
61	Transportation of Janus nanoparticles in confined nanochannels: a molecular dynamics simulation. Environmental Science: Nano, 2019, 6, 2810-2819.	4.3	11
62	Hydrogen informed Gurson model for hydrogen embrittlement simulation. Engineering Fracture Mechanics, 2019, 217, 106542.	4.3	19
63	Liquid layer generators for excellent icephobicity at extremely low temperatures. Materials Horizons, 2019, 6, 2063-2072.	12.2	53
64	Magnetically Enhanced Mechanical Stability and Superâ€Size Effects in Selfâ€Assembled Superstructures of Nanocubes. Advanced Functional Materials, 2019, 29, 1904825.	14.9	17
65	Numerical study of hydrogen influence on void growth at low triaxialities considering transient effects. International Journal of Mechanical Sciences, 2019, 164, 105176.	6.7	11
66	A new method to estimate the residual stresses in additive manufacturing characterized by point heat source. International Journal of Advanced Manufacturing Technology, 2019, 105, 2415-2429.	3.0	10
67	Interlaboratory Study of Ice Adhesion Using Different Techniques. Coatings, 2019, 9, 678.	2.6	44
68	Effect of the LÃ¼ders plateau on ductile fracture with MBL model. European Journal of Mechanics, A/Solids, 2019, 78, 103840.	3.7	3
69	Durable Low Ice Adhesion Foams Modulated by Submicrometer Pores. Industrial & Engineering Chemistry Research, 2019, 58, 17776-17783.	3.7	31
70	A 1-kV Input SiC LLC Converter With Split Resonant Tanks and Matrix Transformers. IEEE Transactions on Power Electronics, 2019, 34, 10446-10457.	7.9	22
71	The effect of ice type on ice adhesion. AIP Advances, 2019, 9, .	1.3	60
72	Experimental measurement of temperature-dependent equivalent stress-strain curves of a 420â€¯MPa structural steel with axisymmetric notched tensile specimens. Engineering Failure Analysis, 2019, 100, 312-321.	4.0	13

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73	CAFE based multi-scale modelling of ductile-to-brittle transition of steel with a temperature dependent effective surface energy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 755, 220-230.	5.6	9
74	An ultra-durable icephobic coating by a molecular pulley. Soft Matter, 2019, 15, 3607-3611.	2.7	47
75	Cohesive zone modelling of anodic dissolution stress corrosion cracking induced by corrosion product films. Philosophical Magazine, 2019, 99, 1090-1102.	1.6	3
76	Understanding the role of hollow sub-surface structures in reducing ice adhesion strength. Soft Matter, 2019, 15, 2905-2910.	2.7	35
77	Epidermal Gland Inspired Self-Repairing Slippery Lubricant-Infused Porous Coatings with Durable Low Ice Adhesion. Coatings, 2019, 9, 602.	2.6	26
78	Effects of local grain size and inclusions on the low-temperature toughness of low-carbon as-quenched martensite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 743, 611-622.	5.6	17
79	Substrate slip steps promote cracking and buckling of thin brittle film. Scripta Materialia, 2019, 163, 82-85.	5.2	8
80	Topology and polarity of dislocation cores dictate the mechanical strength of monolayer MoS2. Applied Materials Today, 2019, 15, 34-42.	4.3	24
81	Contact Angle and Condensation of a CO2 Droplet on a Solid Surface. Journal of Physical Chemistry C, 2019, 123, 443-451.	3.1	9
82	Phase transition enabled durable anti-icing surfaces and its DIY design. Chemical Engineering Journal, 2019, 360, 243-249.	12.7	68
83	LLâ€delta structure for CS featuring highâ€PTC. IET Power Electronics, 2019, 12, 2543-2550.	2.1	2
84	Study of lowâ€temperature effect on the fracture locus of a 420â€MPa structural steel with the edge tracing method. Fatigue and Fracture of Engineering Materials and Structures, 2018, 41, 1649-1661.	3.4	13
85	Deformation and Fracture of Micronâ€Sized Metalâ€Coated Polymer Spheres: An In Situ Study. Advanced Engineering Materials, 2018, 20, 1800049.	3.5	2
86	A 6.6kW SiC bidirectional on-board charger. , 2018, , .		19
87	Competitive adsorption and diffusion of CH4/CO2 binary mixture within shale organic nanochannels. Journal of Natural Gas Science and Engineering, 2018, 53, 329-336.	4.4	62
88	Effect of hydrogen on the collective behavior of dislocations in the case of nanoindentation. Acta Materialia, 2018, 148, 18-27.	7.9	25
89	Grain-Size-Controlled Mechanical Properties of Polycrystalline Monolayer MoS₂. Nano Letters, 2018, 18, 1543-1552.	9.1	82
90	Atomistic insights into the nanofluid transport through an ultra-confined capillary. Physical Chemistry Chemical Physics, 2018, 20, 4831-4839.	2.8	12

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91	Hydrogen-microvoid interactions at continuum scale. International Journal of Hydrogen Energy, 2018, 43, 10104-10128.	7.1	20
92	A review on wetting and water condensation - Perspectives for CO 2 Âcondensation. Advances in Colloid and Interface Science, 2018, 256, 291-304.	14.7	13
93	Enhancing the Mechanical Durability of Icephobic Surfaces by Introducing Autonomous Self-Healing Function. ACS Applied Materials & Interfaces, 2018, 10, 11972-11978.	8.0	99
94	Effect of low temperature tensile properties on crack driving force for Arctic applications. Theoretical and Applied Fracture Mechanics, 2018, 93, 88-96.	4.7	7
95	Effect of microstructure on the impact toughness transition temperature of direct-quenched steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 712, 671-680.	5.6	26
96	A method for determining material's equivalent stress-strain curve with any axisymmetric notched tensile specimens without Bridgman correction. International Journal of Mechanical Sciences, 2018, 135, 656-667.	6.7	28
97	Reference toughness â€“ a pragmatic tool to estimate ductile-brittle transition temperatures. Procedia Structural Integrity, 2018, 13, 1135-1140.	0.8	0
98	Numerical study on the effect of the LÃ¼ders plateau on the ductile crack growth resistance of SENT specimens. International Journal of Fracture, 2018, 214, 185-200.	2.2	8
99	Displacement of nanofluids in silica nanopores: influenced by wettability of nanoparticles and oil components. Environmental Science: Nano, 2018, 5, 2641-2650.	4.3	18
100	Constraint effect on the brittle-to-ductile transition of single-crystal iron induced by dislocation mobility. International Journal of Mechanical Sciences, 2018, 149, 212-223.	6.7	11
101	Microgel evolution at three-phase contact region and associated wettability alteration. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 558, 297-302.	4.7	6
102	Focused ion beam milling of self-assembled magnetic superstructures: an approach to fabricate nanoporous materials with tunable porosity. Materials Horizons, 2018, 5, 1211-1218.	12.2	8
103	One-Step Fabrication of Bioinspired Lubricant-Regenerable Icephobic Slippery Liquid-Infused Porous Surfaces. ACS Omega, 2018, 3, 10139-10144.	3.5	68
104	Dislocation based plasticity in the case of nanoindentation. International Journal of Mechanical Sciences, 2018, 148, 158-173.	6.7	20
105	Effect of amorphization-mediated plasticity on the hydrogen-void interaction in ideal lattices under hydrostatic tension. Journal of Applied Physics, 2018, 123, .	2.5	5
106	Nature-inspired entwined coiled carbon mechanical metamaterials: molecular dynamics simulations. Nanoscale, 2018, 10, 15641-15653.	5.6	37
107	Design and preparation of sandwich-like polydimethylsiloxane (PDMS) sponges with super-low ice adhesion. Soft Matter, 2018, 14, 4846-4851.	2.7	86
108	Atomistic dewetting mechanics of Wenzel and monostable Cassieâ€“Baxter states. Physical Chemistry Chemical Physics, 2018, 20, 24759-24767.	2.8	22

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109	Resistance Analysis of Spherical Metal Thin Films Combining Van Der Pauw and Electromechanical Nanoindentation Methods. Journal of Electronic Materials, 2018, 47, 6378-6382.	2.2	6
110	A 10-MHz eGaN Isolated Class-Î¦ ₂ DCX. IEEE Transactions on Power Electronics, 2017, 32, 2029-2040.	7.9	35
111	Room Temperature Characteristics of Polymer-Based Low Ice Adhesion Surfaces. Scientific Reports, 2017, 7, 42181.	3.3	71
112	Investigation of thermal transport in polymer composites with percolating networks of silver thin films by the flash diffusivity method. Journal of Applied Physics, 2017, 121, .	2.5	3
113	Fracture toughness of hydrogen charged as-quenched ultra-high-strength steels at low temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 688, 190-201.	5.6	19
114	Room-Temperature Curing and Grain Growth at High Humidity in Conductive Adhesives with Ultra-Low Silver Content. Journal of Electronic Materials, 2017, 46, 4256-4266.	2.2	3
115	On determining the Poisson's ratio of viscoelastic polymer microparticles using a flat punch test. International Journal of Mechanical Sciences, 2017, 128-129, 150-158.	6.7	7
116	A special notched tensile specimen to determine the flow stress-strain curve of hardening materials without applying the Bridgman correction. Engineering Fracture Mechanics, 2017, 179, 225-239.	4.3	22
117	Cement sheath modification using nanomaterials for long-term zonal isolation of oil wells: Review. Journal of Petroleum Science and Engineering, 2017, 156, 662-672.	4.2	60
118	Modeling nanoscale ice adhesion. Acta Mechanica Solida Sinica, 2017, 30, 224-226.	1.9	11
119	Angle-Dependent Photoluminescence Spectroscopy of Solution-Processed Organic Semiconducting Nanobelts. Journal of Physical Chemistry C, 2017, 121, 12441-12446.	3.1	4
120	Displacement Mechanism of Oil in Shale Inorganic Nanopores by Supercritical Carbon Dioxide from Molecular Dynamics Simulations. Energy & Fuels, 2017, 31, 738-746.	5.1	62
121	Determining critical CTOA from energy-load curves with DWTT specimen. Engineering Fracture Mechanics, 2017, 186, 47-58.	4.3	18
122	Multiscale crack initiator promoted super-low ice adhesion surfaces. Soft Matter, 2017, 13, 6562-6568.	2.7	150
123	Cohesive zone simulation of grain size and misorientation effects on hydrogen embrittlement in nickel. Engineering Failure Analysis, 2017, 81, 79-93.	4.0	20
124	Deformation and Stability of Coreâ€“Shell Microgels at Oil/Water Interface. Industrial & Engineering Chemistry Research, 2017, 56, 14793-14798.	3.7	17
125	Raman antenna effect from excitonâ€“phonon coupling in organic semiconducting nanobelts. Nanoscale, 2017, 9, 19328-19336.	5.6	4
126	Grain-size Induced Strengthening and Weakening of Dislocation-free Polycrystalline Gas Hydrates. Procedia IUTAM, 2017, 21, 11-16.	1.2	5

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127	Size-dependent Phase Transformation and Fracture of ZnO Nanowires. Procedia IUTAM, 2017, 21, 86-93.	1.2	3
128	Passive Snow Repulsion: A State-of-the-art Review Illuminating Research Gaps and Possibilities. Energy Procedia, 2017, 132, 423-428.	1.8	13
129	Stress-coupled contact resistance of individual metal coated polymer spheres for conductive adhesive. , 2017, , .		0
130	Effect of Nanoparticles on Spontaneous Imbibition of Water into Ultraconfined Reservoir Capillary by Molecular Dynamics Simulation. Energies, 2017, 10, 506.	3.1	16
131	Morphology-Controlled Tensile Mechanical Characteristics in Graphene Allotropes. ACS Omega, 2017, 2, 3977-3988.	3.5	26
132	A framework for fracture assessments of dissimilar girth welds in offshore pipelines under bending. Engineering Fracture Mechanics, 2016, 163, 66-88.	4.3	26
133	Nanoscale deicing by molecular dynamics simulation. Nanoscale, 2016, 8, 14625-14632.	5.6	51
134	Electrical four-point probing of spherical metallic thin films coated onto micron sized polymer particles. Applied Physics Letters, 2016, 109, .	3.3	8
135	Electromechanical characterization of individual micron-sized metal coated polymer particles. Journal of Applied Physics, 2016, 119, .	2.5	20
136	Identifying the optimal deformation point in metal-coated polymer particles for conductive adhesives. , 2016, , .		2
137	CuO/Cu based superhydrophobic and self-cleaning surfaces. Scripta Materialia, 2016, 118, 60-64.	5.2	59
138	Ductile mechanisms of metals containing pre-existing nanovoids. Computational Materials Science, 2016, 125, 36-50.	3.0	16
139	Molecular dynamics study of di-CF4 based reverse micelles in supercritical CO₂. Physical Chemistry Chemical Physics, 2016, 18, 29156-29163.	2.8	14
140	Viscous regularization for cohesive zone modeling under constant displacement: An application to hydrogen embrittlement simulation. Engineering Fracture Mechanics, 2016, 166, 23-42.	4.3	32
141	Controlling the Conduction Mechanisms in Isotropic Conductive Adhesives with Silver-Coated Polymer Spheres. , 2016, , .		2
142	Continuum level simulation of the grain size and misorientation effects on hydrogen embrittlement in nickel. Procedia Structural Integrity, 2016, 2, 565-572.	0.8	1
143	Contact Resistance and Metallurgical Connections Between Silver Coated Polymer Particles in Isotropic Conductive Adhesives. Journal of Electronic Materials, 2016, 45, 3734-3743.	2.2	12
144	A uniform hydrogen degradation law for high strength steels. Engineering Fracture Mechanics, 2016, 157, 56-71.	4.3	56

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145	Effects of loading path on the fracture loci in a 3D space. Engineering Fracture Mechanics, 2016, 151, 22-36.	4.3	19
146	Multiaxial stressâ€“strain response and displacive transformations in NiTi alloy from first principles. Acta Materialia, 2016, 109, 223-229.	7.9	6
147	Damage Mechanism of Hybrid Welded 7020 Aluminium Alloy Based on Three-Dimensional X-Ray Micro-Tomography and GTN Model. Zhongguo Jiguang/Chinese Journal of Lasers, 2016, 43, 1002005.	1.2	2
148	Deformation and fracture of nano-sized metal-coated polymer particles: A molecular dynamics study. Engineering Fracture Mechanics, 2015, 150, 209-221.	4.3	10
149	Corrosion Product Film-Induced Stress Facilitates Stress Corrosion Cracking. Scientific Reports, 2015, 5, 10579.	3.3	11
150	Structural instability and mechanical properties of MoS2toroidal nanostructures. Physical Chemistry Chemical Physics, 2015, 17, 32425-32435.	2.8	12
151	Preface to the special issue of Engineering Failure Analysis on â€œRecent case studies in Engineering Failure Analysisâ€• Engineering Failure Analysis, 2015, 58, 321.	4.0	0
152	Stress and Fracture Analyses of Solar Silicon Wafers During Suction Process and Handling. Journal of Solar Energy Engineering, Transactions of the ASME, 2015, 137, .	1.8	2
153	Quantitative 3D Xâ€•ray Imaging of Densification, Delamination and Fracture in a Microâ€Composite under Compression. Advanced Engineering Materials, 2015, 17, 545-553.	3.5	19
154	Extraordinary deformation capacity of smallest carbohelicene springs. Physical Chemistry Chemical Physics, 2015, 17, 18684-18690.	2.8	13
155	Selective growth of metallic nanostructures on microstructured copper substrate in solution. CrystEngComm, 2015, 17, 7262-7269.	2.6	23
156	Mechanical instability of monocrystalline and polycrystalline methane hydrates. Nature Communications, 2015, 6, 8743.	12.8	93
157	A SERS Study on the Assembly Behavior of Gold Nanoparticles at the Oil/Water Interface. Langmuir, 2015, 31, 12911-12919.	3.5	35
158	Continuum modeling of the cohesive energy for the interfaces between films, spheres, coats and substrates. Computational Materials Science, 2015, 96, 432-438.	3.0	20
159	Photoelectrical and microphysical properties of Sol-Gel derived IGZO thin films for printed TFTs. , 2014, , .		0
160	Fracture Analysis and Distribution of Surface Cracks in Multicrystalline Silicon Wafers. Journal of Solar Energy Engineering, Transactions of the ASME, 2014, 136, .	1.8	6
161	The Effect of Microstructure, Thickness Variation, and Crack on the Natural Frequency of Solar Silicon Wafers. Journal of Solar Energy Engineering, Transactions of the ASME, 2014, 136, 0110011-110018.	1.8	2
162	Predicting Thermo-Mechanical Response of Crosslinked Epoxy using ReaxFF. , 2014, , .		0

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163	Analysis of surface cracks in multi-crystalline thin silicon wafers. Engineering Fracture Mechanics, 2014, 124-125, 310-321.	4.3	5
164	Predicting mechanical response of crosslinked epoxy using ReaxFF. Chemical Physics Letters, 2014, 591, 175-178.	2.6	133
165	A High-Frequency Dual-Channel Isolated Resonant Gate Driver With Low Gate Drive Loss for ZVS Full-Bridge Converters. IEEE Transactions on Power Electronics, 2014, 29, 3077-3090.	7.9	27
166	A Digital Adaptive Discontinuous Current Source Driver for High-Frequency Interleaved Boost PFC Converters. IEEE Transactions on Power Electronics, 2014, 29, 1298-1310.	7.9	29
167	Review on fracture and crack propagation in weldments â€“ A fracture mechanics perspective. Engineering Fracture Mechanics, 2014, 132, 200-276.	4.3	167
168	Ultrasound-assisted handling force reduction during the solar silicon wafers production. Ultrasonics, 2014, 54, 1057-1064.	3.9	22
169	Giant Stretchability and Reversibility of Tightly Wound Helical Carbon Nanotubes. Journal of the American Chemical Society, 2013, 135, 13775-13785.	13.7	62
170	Effect of chain architecture on the compression behavior of nanoscale polyethylene particles. Nanoscale Research Letters, 2013, 8, 322.	5.7	7
171	Thermal conductivity of carbon nanocoils. Applied Physics Letters, 2013, 103, .	3.3	28
172	Size-dependent mechanical behavior of nanoscale polymer particles through coarse-grained molecular dynamics simulation. Nanoscale Research Letters, 2013, 8, 541.	5.7	14
173	Control of surface wettability via strain engineering. Acta Mechanica Sinica/Lixue Xuebao, 2013, 29, 543-549.	3.4	19
174	Adaptive Continuous Current Source Drivers for 1-MHz Boost PFC Converters. IEEE Transactions on Power Electronics, 2013, 28, 2457-2467.	7.9	22
175	A dual-channel isolated resonant gate driver for low gate drive loss in ZVS Full-bridge converters. , 2013, , .		3
176	A novel constitutive model for semiconductors: The case of silicon. Journal of the Mechanics and Physics of Solids, 2013, 61, 2402-2432.	4.8	11
177	Electron-irradiation-induced reinforcement of reduced graphene oxide papers. Acta Materialia, 2013, 61, 6466-6473.	7.9	21
178	Nanohingeâ€Induced Plasticity of Helical Carbon Nanotubes. Small, 2013, 9, 3561-3566.	10.0	44
179	A novel method to measure the residual stress in a corrosion film formed on metallic substrates. Corrosion Science, 2013, 68, 128-133.	6.6	9
180	Fracture and negative Poissonâ€™s ratio of novel spanned-fullerenes nanotube networks under tension. Computational Materials Science, 2013, 80, 15-26.	3.0	19

#	Article	IF	Citations
181	An analysis on necking effect and stress distribution in round cross-section specimens of pure copper with different diameters. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 561, 183-190.	5.6	9
182	Crosslinking effect on the deformation and fracture of monodisperse polystyrene-co-divinylbenzene particles. EXPRESS Polymer Letters, 2013, 7, 365-374.	2.1	29
183	Loading rate effects on the fracture of Ni/Au nano-coated acrylic particles. EXPRESS Polymer Letters, 2012, 6, 198-203.	2.1	23
184	Digital adaptive Current Source Driver for interleaving Boost PFC converters under Critical Conduction Mode. , 2012, , .		1
185	Effect of Nanoparticles on Oil-Water Flow in a Confined Nanochannel: A Molecular Dynamics Study. , 2012, , .		14
186	Digital Charge Balance Controller to Improve the Loading/Unloading Transient Response of Buck Converters. IEEE Transactions on Power Electronics, 2012, 27, 1314-1326.	7.9	61
187	A novel dual-channel isolated resonant gate driver to achieve gate drive loss reduction for ZVS full-bridge converters. , 2012, , .		3
188	A three-dimensional finite element for gradient elasticity based on a mixed-type formulation. Computational Materials Science, 2012, 52, 268-273.	3.0	33
189	Influence of welding residual stresses on the ductile crack growth resistance of circumferentially cracked pipe. Frontiers of Structural and Civil Engineering, 2012, 6, 217.	2.9	1
190	MOSFET Switching Loss Model and Optimal Design of a Current Source Driver Considering the Current Diversion Problem. IEEE Transactions on Power Electronics, 2012, 27, 998-1012.	7.9	34
191	Optimization and comparison of continuous and discontinuous Current Source Drivers for MHz boost PFC converters. , 2012, , .		2
192	Adaptive Current Source Drivers for Efficiency Optimization of High-Frequency Synchronous Buck Converters. IEEE Transactions on Power Electronics, 2012, 27, 2462-2470.	7.9	28
193	A New High Efficiency Current Source Driver With Bipolar Gate Voltage. IEEE Transactions on Power Electronics, 2012, 27, 985-997.	7.9	40
194	Loading and unloading of a spherical contact: From elastic to elasticâ€“perfectly plastic materials. International Journal of Mechanical Sciences, 2012, 56, 70-76.	6.7	37
195	Effect of spherical micro-voids in shape memory alloys subjected to uniaxial loading. International Journal of Solids and Structures, 2012, 49, 1947-1960.	2.7	27
196	Fracture of notched round-bar NiTi-specimens. Engineering Fracture Mechanics, 2012, 84, 1-14.	4.3	19
197	Influence of specimen thickness with rectangular cross-section on the tensile properties of structural steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 532, 601-605.	5.6	65
198	Adaptive continuous Current Source Drivers to achieve efficiency improvement in wide load range. , 2011, , .		5

#	Article	IF	Citations
199	MHz Power Factor Correction with Adaptive Current Source Drivers. , 2011, , .		0
200	Size-dependent elastic properties of crystalline polymers via a molecular mechanics model. Applied Physics Letters, 2011, 99, .	3.3	17
201	Effect of residual stress on cleavage fracture toughness by using cohesive zone model. Fatigue and Fracture of Engineering Materials and Structures, 2011, 34, 592-603.	3.4	13
202	Fracture and physical properties of carbon anodes for the aluminum reduction cell. Engineering Fracture Mechanics, 2011, 78, 2998-3016.	4.3	11
203	Adaptive discontinuous Current Source Driver to achieve switching loss reduction for MHz PFC boost converters. , 2011, , .		5
204	Adaptive current source drivers for efficiency optimization of high frequency synchronous buck converters. , 2011, , .		7
205	Switching Loss Analysis Considering Parasitic Loop Inductance With Current Source Drivers for Buck Converters. IEEE Transactions on Power Electronics, 2011, 26, 1815-1819.	7.9	31
206	Adaptive Current Source Drivers for MHz Power Factor Correction. , 2011, , .		9
207	Role of Five-fold Twin Boundary on the Enhanced Mechanical Properties of fcc Fe Nanowires. Nano Letters, 2011, 11, 5264-5273.	9.1	85
208	A Nonisolated ZVS Self-Driven Current Tripler Topology for Low-Voltage and High-Current Applications. IEEE Transactions on Power Electronics, 2011, 26, 512-522.	7.9	11
209	Study on the Anode-to-Cathode Distance in an Aluminum Reduction Cell. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2011, 42, 424-433.	2.1	2
210	Contact area on rough surface of nonlinear isotropic brittle materials. Wear, 2011, 271, 1017-1028.	3.1	6
211	Effect of notches on the behavior of superelastic round-bar NiTi-specimens. Smart Materials and Structures, 2011, 20, 025014.	3.5	18
212	Coarse-Grained Molecular Dynamics Simulations on Size Effect of Glassy Polyethylene Particles. Journal of Nanoscience and Nanotechnology, 2010, 10, 7340-7342.	0.9	5
213	Effect of silica fume, steel fiber and ITZ on the strength and fracture behavior of mortar. Materials and Structures/Materiaux Et Constructions, 2010, 43, 125-139.	3.1	36
214	Accurate switching loss model and optimal design of a current source driver considering the current diversion problem. , 2010, , .		3
215	A new inductorless bipolar gate driver for control FET of high frequency buck converters. , 2010, , .		1
216	Discontinuous-Current-Source Drivers for High-Frequency Power MOSFETs. IEEE Transactions on Power Electronics, 2010, 25, 1863-1876.	7.9	46

#	Article	IF	Citations
217	Comparison of continuous and discontinuous Current Source Drivers for high frequency applications. , 2010, , .		10
218	Geometry effect assesment on mechanical performance of forge welded pipe. International Journal of Material Forming, 2010, 3, 1023-1026.	2.0	0
219	Effect of thermal mismatch induced residual stresses on grain boundary microcracking of titanium diboride ceramics. Journal of Materials Science, 2010, 45, 382-391.	3.7	10
220	Constraint effect on the ductile crack growth resistance of circumferentially cracked pipes. Engineering Fracture Mechanics, 2010, 77, 671-684.	4.3	46
221	Effect of residual stresses on ductile crack growth resistance. Engineering Fracture Mechanics, 2010, 77, 1325-1337.	4.3	35
222	Void Coalescence With and Without Prestrain History. International Journal of Damage Mechanics, 2010, 19, 153-174.	4.2	21
223	Thermomechanical properties dependence on chain length in bulk polyethylene: Coarse-grained molecular dynamics simulations. Journal of Materials Research, 2010, 25, 537-544.	2.6	33
224	Switching loss analysis considering parasitic loop inductance with current source drivers for buck converters. , 2010, , .		3
225	Constitutive modeling of intrinsic silicon monocrystals in easy glide. Journal of Applied Physics, 2010, 107, .	2.5	23
226	Constitutive modeling of intrinsic and oxygen-contaminated silicon monocrystals in easy glide. Journal of Applied Physics, 2010, 108, 103524.	2.5	12
227	Axisymmetric Modeling of Constraint Effect on the Ductile Crack Growth Resistance of Circumferentially Cracked Pipes. , 2010, , .		0
228	A 1-MHz, 12-V ZVS Nonisolated Full-Bridge VRM With Gate Energy Recovery. IEEE Transactions on Power Electronics, 2010, 25, 624-636.	7.9	33
229	Controlled Auxiliary Circuit to Improve the Unloading Transient Response of Buck Converters. IEEE Transactions on Power Electronics, 2010, 25, 806-819.	7.9	53
230	Numerical Investigation on the Influence of Residual Stresses on Ductile Crack Growth Resistance. , 2010, , .		0
231	Large Scale Tests of Strain Capacity of Pipe Sections With Circumferential Defects Subjected to Installation-Induced Plastic Strain History. , 2009, , .		3
232	Fracture of micrometre-sized Ni/Au coated polymer particles. Journal Physics D: Applied Physics, 2009, 42, 085405.	2.8	16
233	Compression properties of individual micron-sized acrylic particles. Materials Letters, 2009, 63, 1696-1698.	2.6	14
234	Nanomechanical characterization of single micronâ€sized polymer particles. Journal of Applied Polymer Science, 2009, 113, 1398-1405.	2.6	29

#	Article	IF	Citations
235	Effects of crack depth and specimen size on ductile crack growth of SENT and SENB specimens for fracture mechanics evaluation of pipeline steels. International Journal of Pressure Vessels and Piping, 2009, 86, 787-797.	2.6	48
236	Comments on the evaluation of the stress intensity factor for a general re-entrant corner in anisotropic bi-materials. Engineering Fracture Mechanics, 2009, 76, 1373-1379.	4.3	4
237	Application of nanoindentation testing to study of the interfacial transition zone in steel fiber reinforced mortar. Cement and Concrete Research, 2009, 39, 701-715.	11.0	189
238	Numerical study on the heat storing capacity of concrete walls with air cavities. Energy and Buildings, 2009, 41, 769-773.	6.7	18
239	Evaluation of fracture mechanics parameters for free edges in multi-layered structures with weak singularities. International Journal of Solids and Structures, 2009, 46, 1134-1148.	2.7	10
240	Effect of residual stresses on the crack-tip constraint in a modified boundary layer model. International Journal of Solids and Structures, 2009, 46, 2629-2641.	2.7	46
241	A new discontinuous Current Source Driver for high frequency power MOSFETs. , 2009, , .		13
242	A high efficiency current source driver with negative gate voltage for buck voltage regulators. , 2009, , .		3
243	A Practical Switching Loss Model for Buck Voltage Regulators. IEEE Transactions on Power Electronics, 2009, 24, 700-713.	7.9	128
244	A non-isolated ZVS self-driven current tripler topology for low voltage and high current applications. , 2009, , .		3
245	Controlled Auxiliary Circuit with Measured Response for Reduction of Output Voltage Overshoot in Buck Converters. , 2009, , .		12
246	A Nonisolated ZVS Asymmetrical Buck Voltage Regulator Module With Direct Energy Transfer. IEEE Transactions on Industrial Electronics, 2009, 56, 3096-3105.	7.9	42
247	Numerical Analyses of Ductile Fracture Behavior in 2D Plane Strain and Axisymmetric Models Using the Complete Gurson Model. , 2009, , .		0
248	Study of P-h Curves on Nanomechanical Properties of Steel Fiber Reinforced Mortar. , 2009, , 281-286.		0
249	Size effect on mechanical properties of micron-sized PSâ€“DVB polymer particles. Polymer, 2008, 49, 3993-3999.	3.8	49
250	Degradation of TiB2 ceramics in liquid aluminum. Journal of the European Ceramic Society, 2008, 28, 3155-3164.	5.7	32
251	Fracture of anodic-bonded silicon-thin film glass-silicon triple stacks. Engineering Fracture Mechanics, 2008, 75, 1064-1082.	4.3	5
252	Residual stress induced crack tip constraint. Engineering Fracture Mechanics, 2008, 75, 4151-4166.	4.3	39

#	Article	IF	Citations
253	Numerical study on the effect of prestrain history on ductile fracture resistance by using the complete Gurson model. Engineering Fracture Mechanics, 2008, 75, 4568-4582.	4.3	18
254	Optimal Design of Resonant Gate Driver for Buck Converter Based on a New Analytical Loss Model. IEEE Transactions on Power Electronics, 2008, 23, 653-666.	7.9	75
255	A Current Source Gate Driver Achieving Switching Loss Savings and Gate Energy Recovery at 1-MHz. IEEE Transactions on Power Electronics, 2008, 23, 678-691.	7.9	121
256	A 1-MHz High-Efficiency 12-V Buck Voltage Regulator With a New Current-Source Gate Driver. IEEE Transactions on Power Electronics, 2008, 23, 2817-2827.	7.9	64
257	Cohesive zone modeling of grain boundary microcracking induced by thermal anisotropy in titanium diboride ceramics. Computational Materials Science, 2008, 43, 440-449.	3.0	20
258	Mechanical Performance of Polymer Cored BGA Interconnects. , 2008, , .		9
259	An Optimal Control Method for Buck ConvertersUsing a Practical Capacitor ChargeBalance Technique. IEEE Transactions on Power Electronics, 2008, 23, 1802-1812.	7.9	154
260	A simple switching loss model for buck voltage regulators with current source drive. , 2008, , .		6
261	A Simple Analytical Switching Loss Model for Buck Voltage Regulators. , 2008, , .		16
262	A new hybrid gate drive scheme for high frequency buck voltage regulators. Power Electronics Specialist Conference (PESC), IEEE, 2008, , .	0.0	7
263	Numerical analysis of a new SMA-based seismic damper system and material characterization of two commercial NiTi-alloys. Smart Structures and Systems, 2008, 4, 137-152.	1.9	5
264	Mechanical properties of nanostructured polymer particles for anisotropic conductive adhesives. International Journal of Materials Research, 2007, 98, 389-392.	0.3	15
265	Development and characterisation of micrometer sized polymer particles with extremely narrow size distribution. , 2007, , .		4
266	A method for determining elastic properties of micron-sized polymer particles by using flat punch test. Computational Materials Science, 2007, 39, 305-314.	3.0	43
267	Numerical simulations of specimen size and mismatch effects in ductile crack growth â€“ Part I: Tearing resistance and crack growth paths. Engineering Fracture Mechanics, 2007, 74, 1770-1792.	4.3	54
268	Numerical simulations of specimen size and mismatch effects in ductile crack growth â€“ Part II: Near-tip stress fields. Engineering Fracture Mechanics, 2007, 74, 1793-1809.	4.3	20
269	Effect of plastic prestrain on the crack tip constraint of pipeline steels. International Journal of Pressure Vessels and Piping, 2007, 84, 708-715.	2.6	21
270	Finite element simulation of martensitic transition based on thermo-mechanical model. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 448, 204-209.	5.6	6

#	Article	IF	Citations
271	A High Efficiency Synchronous Buck VRM with Current Source Gate Driver. , 2007, , .		20
272	Optimal Design of Current Source Gate Driver for a Buck Voltage Regulator Based on a New Analytical Loss Model. , 2007, , .		13
273	A method for retrieving temperature and microstructure dependent apparent yield strength for aluminium alloys. Computational Materials Science, 2005, 34, 35-45.	3.0	5
274	Constraint correction of high strength steel. Engineering Fracture Mechanics, 2004, 71, 2417-2433.	4.3	35
275	Generation Behavior of Thermal and Residual Stresses Due to Phase Transformation During Welding Heat Cycles. , 2002, , 123.		2
276	A notched cross weld tensile testing method for determining true stressâ€“strain curves for weldments. Engineering Fracture Mechanics, 2002, 69, 353-366.	4.3	54
277	Determining true stressâ€“strain curve for isotropic and anisotropic materials with rectangular tensile bars: method and verifications. Computational Materials Science, 2001, 20, 77-85.	3.0	40
278	From microstructure to deformation and fracture behaviour of aluminium welded joints â€“ a holistic modelling approach. Computational Materials Science, 2001, 21, 429-435.	3.0	14
279	On numerical analysis of damage evolution in cyclic elastic-plastic crack growth problems. Fatigue and Fracture of Engineering Materials and Structures, 2001, 24, 81-86.	3.4	6
280	A study on determining true stressâ€“strain curve for anisotropic materials with rectangular tensile bars. International Journal of Solids and Structures, 2001, 38, 4489-4505.	2.7	36
281	Title is missing!. International Journal of Fracture, 2001, 111, 87-103.	2.2	14
282	A complete Gurson model approach for ductile fracture. Engineering Fracture Mechanics, 2000, 67, 155-168.	4.3	291
283	Finite element modelling of cracked inelastic shells with large deflections: two-dimensional and three-dimensional approaches. Fatigue and Fracture of Engineering Materials and Structures, 2000, 23, 253-261.	3.4	5
284	Determining material true stressâ€“strain curve from tensile specimens with rectangular cross-section. International Journal of Solids and Structures, 1999, 36, 3497-3516.	2.7	197
285	Application of local approach to inhomogeneous welds. Influence of crack position and strength mismatch. Engineering Fracture Mechanics, 1999, 62, 445-462.	4.3	28
286	An engineering method for constraint based fracture assessment of welded structural components with surface cracks. Engineering Fracture Mechanics, 1999, 63, 653-674.	4.3	3
287	On the interrelationship between fracture toughness and material mismatch for cracks located at the fusion line of weldments. Engineering Fracture Mechanics, 1999, 64, 367-382.	4.3	21
288	Title is missing!. International Journal of Fracture, 1999, 99, 211-237.	2.2	15

#	Article	IF	Citations
289	Constraint effects on crack tip stress fields for cracks located at the fusion line of weldments. Computational Materials Science, 1999, 15, 275-284.	3.0	14
290	Structural safety analysis with engineering integrity assessment tools. Computers and Structures, 1997, 64, 759-770.	4.4	2
291	Effects of crack size and weld metal mismatch on the has cleavage toughness of wide plates. Engineering Fracture Mechanics, 1997, 57, 653-664.	4.3	38
292	Fe calculations of stress fields from cracks located at the fusion line of weldments. Engineering Fracture Mechanics, 1997, 57, 637-651.	4.3	12
293	A 3D numerical study of ductile tearing and fatigue crack growth under nominal cyclic plasticity. International Journal of Solids and Structures, 1997, 34, 3141-3161.	2.7	28
294	Two-parameter characterization of the near-tip stress fields for a bi-material elastic-plastic interface crack. International Journal of Fracture, 1996, 79, 65-83.	2.2	71
295	A SENSITIVITY ANALYSIS OF MATERIAL PARAMETERS FOR THE GURSON CONSTITUTIVE MODEL. Fatigue and Fracture of Engineering Materials and Structures, 1996, 19, 561-570.	3.4	54
296	Ductile Damage and Constraint in Components with Embedded and Surface Semi-Circular Cracks. European Physical Journal Special Topics, 1996, 06, C6-173-C6-182.	0.2	0
297	A class of generalized mid-point algorithms for the Gurson-Tvergaard material model. International Journal for Numerical Methods in Engineering, 1995, 38, 2033-2053.	2.8	36
298	A new failure criterion for the Gurson-Tvergaard dilational constitutive model. International Journal of Fracture, 1995, 70, 321-334.	2.2	74
299	On the accuracies of numerical integration algorithms for Gurson-based pressure-dependent elastoplastic constitutive models. Computer Methods in Applied Mechanics and Engineering, 1995, 121, 15-28.	6.6	41
300	Explicit consistent tangent moduli with a return mapping algorithm for pressure-dependent elastoplasticity models. Computer Methods in Applied Mechanics and Engineering, 1995, 121, 29-44.	6.6	73
301	Studies on the ductility predictions by different local failure criteria. Engineering Fracture Mechanics, 1994, 48, 529-540.	4.3	35
302	ANALYZING DUCTILE FRACTURE USING DUAL DILATIONAL CONSTITUTIVE EQUATIONS. Fatigue and Fracture of Engineering Materials and Structures, 1994, 17, 695-707.	3.4	44
303	A SIMPLE PATH-INDEPENDENT INTEGRAL FOR CALCULATING MIXED-MODE STRESS INTENSITY FACTORS. Fatigue and Fracture of Engineering Materials and Structures, 1992, 15, 1041-1049.	3.4	6
304	Characterization of mechanical properties of metalcoated polymer spheres for anisotropic conductive adhesive. , 0, , .		10
305	Effect of Micro-Voids on Plasticity in NiTi-Alloys. Advances in Science and Technology, 0, , .	0.2	1
306	Estimation of Impact Toughness Transition Temperatures of As-Quenched Steels. Materials Science Forum, 0, 941, 498-503.	0.3	1