

Fuqian Yang

List of Publications by Year in descending order

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270
papers

4,778
citations

136950

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h-index

144013

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274
all docs

274
docs citations

274
times ranked

4622
citing authors

#	ARTICLE	IF	CITATIONS
1	Crack Pattern Formation in Thin Film Lithium-Ion Battery Electrodes. Journal of the Electrochemical Society, 2011, 158, A689.	2.9	242
2	Growth of TiO ₂ nanorods by metalorganic chemical vapor deposition. Journal of Crystal Growth, 2003, 256, 83-88.	1.5	219
3	Size effect on the coalescence-induced self-propelled droplet. Applied Physics Letters, 2011, 98, .	3.3	210
4	Interaction between diffusion and chemical stresses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 409, 153-159.	5.6	208
5	Hemp-derived activated carbons for supercapacitors. Carbon, 2016, 103, 181-192.	10.3	208
6	Size-dependent effective modulus of elastic composite materials: Spherical nanocavities at dilute concentrations. Journal of Applied Physics, 2004, 95, 3516-3520.	2.5	162
7	Potentiostatic Intermittent Titration Technique for Electrodes Governed by Diffusion and Interfacial Reaction. Journal of Physical Chemistry C, 2012, 116, 1472-1478.	3.1	119
8	Aligned TiO ₂ Nanotube Arrays As Durable Lithium-Ion Battery Negative Electrodes. Journal of Physical Chemistry C, 2012, 116, 18669-18677.	3.1	111
9	Thickness effect on the indentation of an elastic layer. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 358, 226-232.	5.6	72
10	Nanoscale serration and creep characteristics of Al _{0.5} CoCrCuFeNi high-entropy alloys. Journal of Alloys and Compounds, 2018, 752, 464-475.	5.5	69
11	Effect of local solid reaction on diffusion-induced stress. Journal of Applied Physics, 2010, 107, .	2.5	66
12	Supercapacitors from high fructose corn syrup-derived activated carbons. Materials Today Energy, 2018, 9, 406-415.	4.7	62
13	Indentation of an incompressible elastic film. Mechanics of Materials, 1998, 30, 275-286.	3.2	56
14	Deformation behavior of tin and some tin alloys. Journal of Materials Science: Materials in Electronics, 2006, 18, 191-210.	2.2	53
15	Diffusion-induced beam bending in hydrogen sensors. Journal of Applied Physics, 2003, 93, 9304-9309.	2.5	51
16	SLIP BOUNDARY CONDITION FOR VISCOUS FLOW OVER SOLID SURFACES. Chemical Engineering Communications, 2009, 197, 544-550.	2.6	51
17	On electric conduction of amorphous silicon carbonitride derived from a polymeric precursor. Applied Physics Letters, 2013, 102, .	3.3	51
18	Adhesion of a Rigid Punch to an Incompressible Elastic Film. Langmuir, 2001, 17, 6524-6529.	3.5	48

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19	Criterion for insertion-induced microcracking and debonding of thin films. <i>Journal of Power Sources</i> , 2011, 196, 465-469.	7.8	48
20	Impression creep of a Mg-8Zn-4Al-0.5Ca alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 410-411, 42-47.	5.6	46
21	Effect of local velocity on diffusion-induced stress in large-deformation electrodes of lithium-ion batteries. <i>Journal of Power Sources</i> , 2016, 319, 168-177.	7.8	45
22	Diffusion-induced stress in inhomogeneous materials: concentration-dependent elastic modulus. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012, 55, 955-962.	5.1	43
23	Effect of plastic deformation on nonlinear ultrasonic response of austenitic stainless steel. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 622, 146-152.	5.6	41
24	A defect-based viscoplastic model for large-deformed thin film electrode of lithium-ion battery. <i>International Journal of Plasticity</i> , 2019, 115, 293-306.	8.8	38
25	Microindentation of aluminum. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2004, 35, 3323-3328.	2.2	37
26	Effect of interfacial stresses on the elastic behavior of nanocomposite materials. <i>Journal of Applied Physics</i> , 2006, 99, 054306.	2.5	37
27	Au nanocrystals decorated TiO ₂ nanotube arrays as anode material for lithium ion batteries. <i>Applied Surface Science</i> , 2019, 476, 948-958.	6.1	37
28	Analysis of the axisymmetric indentation of a semi-infinite piezoelectric material: The evaluation of the contact stiffness and the effective piezoelectric constant. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	36
29	Electromechanical instability of microscale structures. <i>Journal of Applied Physics</i> , 2002, 92, 2789-2794.	2.5	35
30	Effect of local deformation on the coupling between diffusion and stress in lithium-ion battery. <i>International Journal of Solids and Structures</i> , 2016, 87, 81-89.	2.7	35
31	Obtaining shear relaxation modulus and creep compliance of linear viscoelastic materials from instrumented indentation using axisymmetric indenters of power-law profiles. <i>Journal of Materials Research</i> , 2009, 24, 3013-3017.	2.6	34
32	Effect of DC current on tensile creep of pure tin. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 591, 97-104.	5.6	34
33	Analysis and modeling of the growth of intermetallic compounds in aluminum-steel joints. <i>RSC Advances</i> , 2017, 7, 37797-37805.	3.6	34
34	Conversion of soybean waste to sub-micron porous-hollow carbon spheres for supercapacitor via a reagent and template-free route. <i>Materials Today Energy</i> , 2019, 13, 50-55.	4.7	33
35	Effect of interface stresses on the elastic deformation of an elastic half-plane containing an elastic inclusion. <i>International Journal of Solids and Structures</i> , 2009, 46, 2897-2906.	2.7	32
36	Soybean-waste-derived activated porous carbons for electrochemical-double-layer supercapacitors: Effects of processing parameters. <i>Journal of Energy Storage</i> , 2020, 27, 101070.	8.1	32

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37	Large deformation analysis of diffusion-induced buckling of nanowires in lithium-ion batteries. <i>International Journal of Solids and Structures</i> , 2017, 108, 230-243.	2.7	31
38	Surface Wrinkling of an Elastic Film: Effect of Residual Surface Stress. <i>Langmuir</i> , 2008, 24, 13627-13631.	3.5	28
39	Insertion-induced breakage of materials. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	28
40	Soybean-derived blue photoluminescent carbon dots. <i>Beilstein Journal of Nanotechnology</i> , 2020, 11, 606-619.	2.8	28
41	Tuning electrochemical performance of carbon-sphere-based supercapacitors by compressive stress. <i>Electrochimica Acta</i> , 2020, 357, 136874.	5.2	27
42	Water-driven CsPbBr ₃ nanocrystals and poly(methyl methacrylate)-CsPbBr ₃ nanocrystal films with bending-endurable photoluminescence. <i>Chemical Engineering Journal</i> , 2021, 425, 131456.	12.7	26
43	Impression creep of a Sn ₆₀ Pb ₄₀ alloy: the effect of electric current. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 155406.	2.8	25
44	Whisker formation on a thin film tin lithium-ion battery anode. <i>Journal of Power Sources</i> , 2011, 196, 1474-1477.	7.8	25
45	Comparison between single loading/unloading indentation and continuous stiffness indentation. <i>RSC Advances</i> , 2017, 7, 35655-35665.	3.6	25
46	High-performance activated carbons for electrochemical double layer capacitors: Effects of morphology and porous structures. <i>International Journal of Energy Research</i> , 2020, 44, 1930-1950.	4.5	24
47	Impression creep of a thin film by vacancy diffusion. II. Cylindrical punch. <i>Journal of Applied Physics</i> , 1993, 74, 4390-4397.	2.5	23
48	Insertion-induced expansion of a thin film on a rigid substrate. <i>Journal of Power Sources</i> , 2013, 241, 146-149.	7.8	23
49	Kinetic analysis of the anodic growth of TiO ₂ nanotubes: effects of voltage and temperature. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14098-14108.	5.5	23
50	Electromechanical interaction of linear piezoelectric materials with a surface electrode. <i>Journal of Materials Science</i> , 2004, 39, 2811-2820.	3.7	22
51	Flow behavior of an Eyring fluid in a nanotube: The effect of the slip boundary condition. <i>Applied Physics Letters</i> , 2007, 90, 133105.	3.3	22
52	Impression creep of a thin film by vacancy diffusion. I. Straight punch. <i>Journal of Applied Physics</i> , 1993, 74, 4382-4389.	2.5	21
53	Indentation-induced tin whiskers on electroplated tin coatings. <i>Journal of Applied Physics</i> , 2008, 104, 113512.	2.5	21
54	Dissolution of bioactive glasses: The effects of crystallinity coupled with stress. <i>Jom</i> , 2009, 61, 45-51.	1.9	21

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55	Photocatalytic activity of Ag nanoparticle-dispersed N-TiO ₂ nanofilms prepared by magnetron sputtering. RSC Advances, 2015, 5, 57155-57163.	3.6	21
56	Self-Similar Random Process and Chaotic Behavior In Serrated Flow of High Entropy Alloys. Scientific Reports, 2016, 6, 29798.	3.3	21
57	Unstable crack growth in hydraulic fracturing: The combined effects of pressure and shear stress for a power-law fluid. Engineering Fracture Mechanics, 2020, 225, 106245.	4.3	21
58	A stress-based charging protocol for silicon anode in lithium-ion battery: Theoretical and experimental studies. Journal of Energy Storage, 2020, 32, 101765.	8.1	21
59	Impression recovery of amorphous polymers. Journal of Electronic Materials, 1997, 26, 859-862.	2.2	20
60	Effect of adhesion energy on the contact stiffness in nanoindentation. Journal of Materials Research, 2006, 21, 2683-2688.	2.6	20
61	Making Nanostructured Ceramics from Micrometer-Sized Powders via Grain Refinement During SPS Sintering. Journal of the American Ceramic Society, 2008, 91, 2475-2480.	3.8	20
62	Analysis of large-deformed electrode of lithium-ion battery: Effects of defect evolution and solid reaction. International Journal of Solids and Structures, 2019, 170, 1-10.	2.7	20
63	Effect of DC Current on the Creep Deformation of Tin. Journal of Electronic Materials, 2010, 39, 2611-2617.	2.2	19
64	Evaporation-induced formation of self-organized gradient concentric rings on sub-micron pre-cast PMMA films. Soft Matter, 2014, 10, 4451.	2.7	19
65	Electrochemical performance and morphological evolution of hollow Sn microspheres. Solid State Ionics, 2018, 325, 120-127.	2.7	19
66	Coupling effects of self-limiting lithiation, reaction front evolution and free volume evolution on chemical stress in amorphous wire-based electrodes. Journal of Power Sources, 2020, 457, 228016.	7.8	19
67	Viscosity measurement of polycarbonate by using a penetration viscometer. Polymer Engineering and Science, 1997, 37, 101-104.	3.1	18
68	Phonon-energy-coupling enhancement: Strengthening the chemical bonds of the SiO ₂ -Si system. Applied Physics Letters, 2006, 88, 082905.	3.3	18
69	Cyclic indentation in aluminum. Journal of Materials Science, 2007, 42, 4513-4520.	3.7	18
70	Optimum Thickness of Sn Film for Whisker Growth. Journal of Electronic Materials, 2011, 40, 2069-2075.	2.2	18
71	Finite Element Analysis of the Indentation-Induced Delamination of Bi-Layer Structures. Journal of Computational and Theoretical Nanoscience, 2012, 9, 851-858.	0.4	18
72	Indentation-Induced Interface Decohesion Between a Piezoelectric Film and an Elastic Substrate. Journal of Computational and Theoretical Nanoscience, 2014, 11, 1863-1873.	0.4	18

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73	Evaporation of a Volatile Liquid Lens on the Surface of an Immiscible Liquid. <i>Langmuir</i> , 2016, 32, 6058-6067.	3.5	18
74	High-performance activated carbons for supercapacitor: Effects of porous structures, heteroatom doping, and morphology. <i>International Journal of Energy Research</i> , 2021, 45, 21414-21434.	4.5	18
75	Generalized Butler-Volmer relation on a curved electrode surface under the action of stress. <i>Science China: Physics, Mechanics and Astronomy</i> , 2016, 59, 1.	5.1	17
76	Lithiation-induced buckling of wire-based electrodes in lithium-ion batteries: A phase-field model coupled with large deformation. <i>International Journal of Solids and Structures</i> , 2018, 144-145, 289-300.	2.7	17
77	Glucose-derived activated carbons for supercapacitors: comparison between single O doping and N/O co-doping. <i>Electrochimica Acta</i> , 2022, 406, 139861.	5.2	17
78	Micro-Indentation of Aluminum Processed by Equal Channel Angular Extrusion. <i>Journal of Materials Research</i> , 2004, 19, 1243-1248.	2.6	16
79	Effect of oxide on surface tension of molten metal. <i>RSC Advances</i> , 2017, 7, 53941-53950.	3.6	16
80	Cladding Inconel 625 on cast iron via bypass coupling micro-plasma arc welding. <i>Journal of Manufacturing Processes</i> , 2020, 56, 106-115.	5.9	16
81	In Situ Growth Mechanism for High-quality Hybrid Perovskite Single-Crystal Thin Films with High Area to Thickness Ratio: Looking for the Sweet Spot. <i>Advanced Science</i> , 2022, 9, e2104788.	11.2	16
82	Self-Organization of Unconventional Gradient Concentric Rings on Precast PMMA Films. <i>Journal of Physical Chemistry C</i> , 2014, 118, 10177-10182.	3.1	15
83	Evaporation-induced self-assembly of quantum dots-based concentric rings on polymer-based nanocomposite films. <i>Soft Matter</i> , 2016, 12, 8285-8296.	2.7	15
84	Hydrogen-induced silicon wafer splitting. <i>Journal of Applied Physics</i> , 2003, 94, 1454-1457.	2.5	14
85	Effect of cold rolling on the indentation deformation of AA6061 aluminum alloy. <i>Journal of Materials Research</i> , 2005, 20, 1172-1179.	2.6	14
86	Morphological instability of elastic thin films—effect of electromechanical interaction. <i>Applied Physics Letters</i> , 2005, 87, 111912.	3.3	14
87	Effect of diffusion-induced bending on diffusion-induced stress near the end faces of an elastic hollow cylinder. <i>Mechanics Research Communications</i> , 2013, 51, 72-77.	1.8	14
88	Optical response of a quantum dot-epoxy resin composite: effect of tensile strain. <i>RSC Advances</i> , 2016, 6, 18126-18133.	3.6	14
89	A High-performance Symmetric Supercapacitor from Porous Activated Carbon under Compression. <i>Energy Technology</i> , 2021, 9, 2100068.	3.8	14
90	Impression and diffusional creep of anisotropic media. <i>Journal of Applied Physics</i> , 1995, 77, 110-117.	2.5	13

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91	Effect of adsorption on nanoindentation test. Applied Physics Letters, 2002, 80, 959-961.	3.3	13
92	Electrochemical behavior and self-organization of porous Sn nanocrystals@acetylene black microspheres in lithium-ion half cells. Applied Surface Science, 2019, 470, 36-43.	6.1	13
93	Impression recovery of PMMA. Journal of Materials Research, 1997, 12, 2809-2814.	2.6	12
94	Non-linear ultrasonic response of plastically deformed aluminium alloy AA 7009. Materials Science and Technology, 2013, 29, 1304-1309.	1.6	12
95	Diffusion kinetics of gold in TiO ₂ nanotube arrays for formation of Au@TiO ₂ nanotube arrays. RSC Advances, 2016, 6, 48580-48588.	3.6	12
96	Transient analysis of diffusion-induced stress: effect of solid reaction. Acta Mechanica, 2019, 230, 993-1002.	2.1	12
97	Mechanical properties of Cu nanowires: Effects of cross-sectional area and temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 791, 139644.	5.6	12
98	Influence of electromechanical interaction on the morphological instability of an elastic conducting halfspace. Physical Review B, 2005, 72, .	3.2	11
99	Impression stress relaxation of Sn _{3.5} Ag eutectic alloy. Journal of Materials Research, 2006, 21, 2653-2659.	2.6	11
100	Finite element analysis of deep indentation by a spherical indenter. Journal of Materials Science, 2008, 43, 6331-6336.	3.7	11
101	Molecular kinetic theory of boundary slip on textured surfaces by molecular dynamics simulations. Science China: Physics, Mechanics and Astronomy, 2014, 57, 2152-2160.	5.1	11
102	The effect of a capillary bridge on the crack opening of a penny crack. Soft Matter, 2016, 12, 1586-1592.	2.7	11
103	Au-TiO ₂ nanofilms for enhanced photocatalytic activity. Thin Solid Films, 2017, 636, 490-498.	1.8	11
104	Fatigue-induced evolution of nanograins and residual stress in the nanostructured surface layer of Ti-6Al-4V. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 764, 138205.	5.6	11
105	Size effect on electric-double-layer capacitances of conducting structures. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2353-2360.	2.1	11
106	Comments on a model for nano-indentation creep. Scripta Metallurgica Et Materialia, 1995, 32, 139-144.	1.0	10
107	Creep due to grain boundary diffusion and grain boundary viscous flow. Journal Physics D: Applied Physics, 1997, 30, 286-288.	2.8	10
108	Contact stiffness of initially stressed neo-Hookean solids. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 2513-2521.	2.1	10

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109	Influence of inulin/oligofructose on the acid-induced cold aggregation and gelation of preheated soy proteins. <i>Journal of the Science of Food and Agriculture</i> , 2009, 89, 2650-2658.	3.5	10
110	Fracture-induced formation of semi-concentric patterns on polymeric films. <i>Materials Chemistry and Physics</i> , 2012, 135, 168-173.	4.0	10
111	Formation of Self-Organized Gradient Stripes on Precast Poly(methyl methacrylate) Films. <i>Langmuir</i> , 2014, 30, 6548-6555.	3.5	10
112	Effect of Annealing on Microstructure and Tensile Properties of 5052/AZ31/5052 Clad Sheets. <i>Jom</i> , 2016, 68, 1282-1292.	1.9	10
113	Magnesium nanocomposites reinforced with a high volume fraction of SiC particulates. <i>International Journal of Materials Research</i> , 2017, 108, 848-856.	0.3	10
114	Diffusion-induced bending of viscoelastic beams. <i>International Journal of Mechanical Sciences</i> , 2017, 131-132, 137-145.	6.7	10
115	Pit evolution around the fusion line of a NiCrMoV steel welded joint caused by galvanic and stress-assisted coupling corrosion. <i>RSC Advances</i> , 2018, 8, 3399-3409.	3.6	10
116	One-dimensional analysis of the coupling between diffusion and deformation in a bilayer electrode. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2019, 35, 589-599.	3.4	10
117	An analytical model for lithiation-induced concurrent plastic flow and phase transformation in a cylindrical silicon electrode. <i>International Journal of Solids and Structures</i> , 2020, 202, 87-98.	2.7	10
118	Review of γ Rafting Behavior in Nickel-Based Superalloys: Crystal Plasticity and Phase-Field Simulation. <i>Crystals</i> , 2020, 10, 1095.	2.2	10
119	A Free Volume-Based Viscoplastic Model for Amorphous Silicon Electrode of Lithium-Ion Battery. <i>Journal of the Electrochemical Society</i> , 2020, 167, 040518.	2.9	10
120	Cyclic indentation of an elastic-perfectly plastic material. <i>Journal of Materials Science</i> , 2006, 41, 6077-6080.	3.7	9
121	Local surface damage and material dissolution in 45S5 bioactive glass: Effect of the contact deformation. <i>Journal of Non-Crystalline Solids</i> , 2009, 355, 874-879.	3.1	9
122	Dynamics of the Evaporative Dewetting of a Volatile Liquid Film Confined within a Circular Ring. <i>Langmuir</i> , 2015, 31, 4024-4031.	3.5	9
123	Texture Evolution of Single-Pass Hot-Rolled 5052/AZ31/5052 Clad Sheets. <i>Jom</i> , 2016, 68, 2274-2287.	1.9	9
124	Absorption behavior of poly(methyl methacrylate)-multiwalled carbon nanotube composites: effects of UV irradiation. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 7359-7369.	2.8	9
125	Cracking and healing in poly(methyl methacrylate): effect of solvent. <i>Journal of Polymer Research</i> , 2017, 24, 1.	2.4	9
126	Structural Degradation of Cu Current Collector During Electrochemical Cycling of Sn-Based Lithium-Ion Batteries. <i>Journal of Electronic Materials</i> , 2019, 48, 7543-7550.	2.2	9

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127	Growth of perovskite nanocrystals in poly-tetra fluoroethylene based microsystem: on-line and off-line measurements. <i>Nanotechnology</i> , 2019, 30, 145602.	2.6	9
128	Geometrical effects on ionic diffusion in carbon-carbon symmetric supercapacitors. <i>International Journal of Energy Research</i> , 2020, 44, 12066-12080.	4.5	9
129	Size effect on the bandgap change of quantum dots: Thermomechanical deformation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2021, 401, 127346.	2.1	9
130	New Fick's law for self-diffusion in liquids. <i>Journal of Applied Physics</i> , 1996, 80, 6188-6191.	2.5	8
131	Can Whiskers Grow on Bulk Lead-Free Solder?. <i>Journal of Electronic Materials</i> , 2008, 37, 90-95.	2.2	8
132	Effect of electromigration on diffusional creep in polycrystalline materials. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2012, 40, 165-171.	0.6	8
133	Effect of the Heat Treatment on the Cube Recrystallization Texture of Al-Mn-Mg Aluminum Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013, 44, 2857-2868.	2.2	8
134	Viscoplastic response of tooth enamel under cyclic microindentation. <i>Materials Science and Engineering C</i> , 2015, 55, 448-456.	7.3	8
135	Fast diffusion of silver in TiO ₂ nanotube arrays. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 1129-1140.	2.8	8
136	Shear-lag model of diffusion-induced buckling of core-shell nanowires. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 285602.	2.8	8
137	PTFE-based microreactor system for the continuous synthesis of full-visible-spectrum emitting cesium lead halide perovskite nanocrystals. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 2521-2529.	2.8	8
138	Stress effect on self-limiting lithiation in silicon-nanowire electrode. <i>Applied Physics Express</i> , 2019, 12, 045004.	2.4	8
139	Porous Sb with three-dimensional Sb nanodendrites as electrode material for high-performance Li/Na-ion batteries. <i>Nanotechnology</i> , 2020, 31, 175401.	2.6	8
140	Electrochemical performance of potato-derived activated carbon: Effect of compressive stress. <i>Journal of Energy Storage</i> , 2021, 37, 102476.	8.1	8
141	Cycling-induced structural damage/degradation of electrode materials—microscopic viewpoint. <i>Nanotechnology</i> , 2022, 33, 065405.	2.6	8
142	Hardness variation across a Zr ₅₇ Ti ₅ Cu ₂₀ Ni ₈ Al ₁₀ bulk metallic glass. <i>Journal of Materials Science</i> , 2007, 42, 2208-2211.	3.7	7
143	Revisit of the two-dimensional indentation deformation of an elastic half-space. <i>Journal of Materials Research</i> , 2009, 24, 1976-1982.	2.6	7
144	Study of the Impact Performance of Solder Joints by High-Velocity Impact Tests. <i>Journal of Electronic Materials</i> , 2010, 39, 2536-2543.	2.2	7

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145	Impression creep of PMMA resin at elevated temperatures. <i>Polymer Engineering and Science</i> , 2010, 50, 209-213.	3.1	7
146	Analysis of the effect of a compliant layer on indentation of an elastic material. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2013, 25, 33-40.	3.1	7
147	Electromechanical responses of Cu strips. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	7
148	Analysis of Electrowetting of a Conducting Droplet on a Dielectric Layer. <i>Journal of Physical Chemistry C</i> , 2014, 118, 26859-26865.	3.1	7
149	Boussinesq type solution for a viscoelastic thin film on an elastic substrate. <i>International Journal of Mechanical Sciences</i> , 2016, 117, 79-92.	6.7	7
150	Nanoindentation of carbon microspheres. <i>International Journal of Materials Research</i> , 2016, 107, 687-691.	0.3	7
151	Analysis of whisker growth on a surface of revolution. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 2767-2771.	2.1	7
152	Local Deformation and Texture of Cold-Rolled AA6061 Aluminum Alloy. <i>Materials</i> , 2018, 11, 1866.	2.9	7
153	Contact Interaction of Two Oil Lenses Floating on Surface of Deionized Water. <i>Langmuir</i> , 2018, 34, 11992-12001.	3.5	7
154	Effects of laser power and substrate on the Raman shift of carbon-nanotube papers. <i>Carbon Trends</i> , 2020, 1, 100009.	3.0	7
155	Modeling analysis for the growth of a Li sphere and Li whisker in a solid-state lithium metal battery. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 13737-13745.	2.8	7
156	Generalized Theory for Diffusion-Induced Stress. <i>Journal of the Electrochemical Society</i> , 2021, 168, 040520.	2.9	7
157	Stress effect on bandgap change of a semiconductor nanocrystal in an elastic matrix. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2022, 428, 127931.	2.1	7
158	A physics-inspired neural network to solve partial differential equations – application in diffusion-induced stress. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 7937-7949.	2.8	7
159	MAPbBr ₃ nanocrystals from aqueous solution for poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 Td (meth photoluminescence. <i>Nanotechnology</i> , 2022, 33, 235605.	2.6	7
160	Surface evolution of crystalline tubes – effect of lattice diffusion. <i>Thin Solid Films</i> , 2005, 474, 285-293.	1.8	6
161	Analysis of the lattice diffusion-controlled growth of metallic whiskers. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 4034-4038.	2.8	6
162	Microindentation of titanium: Dependence of plastic energy on the indentation depth and time-dependent plastic deformation. <i>Journal of Materials Research</i> , 2008, 23, 1068-1075.	2.6	6

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163	Stress analysis of the field-assisted sintering: Electrothermal mechanical interaction. International Journal of Applied Electromagnetics and Mechanics, 2010, 32, 125-132.	0.6	6
164	Effect of Surface Viscosity on the Vibration of Microcantilevers. Langmuir, 2012, 28, 3449-3452.	3.5	6
165	Percutaneous double lumen cannula for right ventricle assist device system: A computational fluid dynamics study. Biocybernetics and Biomedical Engineering, 2016, 36, 482-490.	5.9	6
166	Kinetics of Field-Induced Surface Patterns on PMMA. Langmuir, 2016, 32, 4602-4609.	3.5	6
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