

Yang Lu

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.

217
papers

9,563
citations

53
h-index

90
g-index

229
ext. papers

11,265
ext. citations

8.3
avg, IF

6.36
L-index

#	Paper	IF	Citations
217	Deep Elastic Strain Engineering of 2D Materials and Their Twisted Bilayers.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	2
216	Thermal-Responsive Magnetic Hydrogel for Multidisciplinary Therapy of Hepatocellular Carcinoma.. <i>Nano Letters</i> , 2022 ,	11.5	4
215	Catalytic Asymmetric Inverse-Electron-Demand Diels-Alder Reactions of 2-Pyrones with Indenes: Total Syntheses of Cephanolides A and B. <i>Angewandte Chemie</i> , 2021 , 133, 26814	3.6	0
214	Catalytic Asymmetric Inverse-Electron-Demand Diels-Alder Reactions of 2-Pyrones with Indenes: Total Syntheses of Cephanolides A and B. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26610-26615	16.4	4
213	Defect Engineering Boosted Ultrahigh Thermoelectric Power Conversion Efficiency in Polycrystalline SnSe. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	2
212	TiN@C nanocages as multifunctional sulfur hosts for superior lithium-sulfur batteries. <i>Dalton Transactions</i> , 2021 , 50, 17120-17128	4.3	1
211	Stereolithography (SLA) 3D printing of carbon fiber-graphene oxide (CF-GO) reinforced polymer lattices. <i>Nanotechnology</i> , 2021 , 32,	3.4	9
210	Hollow medium-entropy alloy nanolattices with ultrahigh energy absorption and resilience. <i>NPG Asia Materials</i> , 2021 , 13,	10.3	11
209	Programmable mechanical metamaterials based on hierarchical rotating structures. <i>International Journal of Solids and Structures</i> , 2021 , 216, 145-155	3.1	6
208	Magnetically Actuated Active Deep Tumor Penetration of Deformable Large Nanocarriers for Enhanced Cancer Therapy. <i>Advanced Functional Materials</i> , 2021 , 31, 2103655	15.6	8
207	3D architected temperature-tolerant organohydrogels with ultra-tunable energy absorption. <i>IScience</i> , 2021 , 24, 102789	6.1	1
206	Enantioselective Synthesis of Axially Chiral Biaryls by Diels-Alder/Retro-Diels-Alder Reaction of 2-Pyrones with Alkynes. <i>Journal of the American Chemical Society</i> , 2021 , 143, 8993-9001	16.4	17
205	A Magneto-Heated Ferrimagnetic Sponge for Continuous Recovery of Viscous Crude Oil. <i>Advanced Materials</i> , 2021 , 33, e2100074	24	10
204	Rooting MnO ₂ nanosheet on carbon nanoboxes as efficient catalytic host for lithium-sulfur battery. <i>Journal of Solid State Electrochemistry</i> , 2021 , 25, 505-512	2.6	6
203	Nacreous aramid-mica bulk materials with excellent mechanical properties and environmental stability. <i>IScience</i> , 2021 , 24, 101971	6.1	6
202	Armoring SiO _x with a conformal LiF layer to boost lithium storage. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7807-7816	13	4
201	Hierarchical crumpled NiMnO@MXene composites for high rate ion transport electrochemical supercapacitors. <i>Dalton Transactions</i> , 2021 , 50, 9827-9832	4.3	1

200	Experimental nanomechanics of 2D materials for strain engineering. <i>Applied Nanoscience (Switzerland)</i> , 2021 , 11, 1075-1091	3.3	8
199	Three-Dimensional Stretchable Microelectronics by Projection Microstereolithography (PBL). <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 8901-8908	9.5	5
198	Multilayer ceramic film capacitors for high-performance energy storage: progress and outlook. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 9462-9480	13	12
197	Optimizing film thickness to delay strut fracture in high-entropy alloy composite microlattices. <i>International Journal of Extreme Manufacturing</i> , 2021 , 3, 025101	7.9	2
196	High-Efficiency Cellular Reprogramming by Nanoscale Puncturing. <i>Nano Letters</i> , 2020 , 20, 5473-5481	11.5	2
195	Annealing-induced abnormal hardening in nanocrystalline NbMoTaW high-entropy alloy thin films. <i>Materials Letters</i> , 2020 , 275, 128097	3.3	10
194	Activatable Cell-Penetrating Peptide Conjugated Polymeric Nanoparticles with Gd-Chelation and Aggregation-Induced Emission for Bimodal MR and Fluorescence Imaging of Tumors.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 1394-1405	4.1	8
193	Ag Nanoparticles Cluster with pH-Triggered Reassembly in Targeting Antimicrobial Applications. <i>Advanced Functional Materials</i> , 2020 , 30, 2000511	15.6	46
192	Enzyme-Responsive Ag Nanoparticle Assemblies in Targeting Antibacterial against Methicillin-Resistant. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4333-4342	9.5	25
191	Elastic straining of free-standing monolayer graphene. <i>Nature Communications</i> , 2020 , 11, 284	17.4	89
190	Ferrimagnetic mPEG--PHEP copolymer micelles loaded with iron oxide nanocubes and emodin for enhanced magnetic hyperthermia-chemotherapy. <i>National Science Review</i> , 2020 , 7, 723-736	10.8	23
189	Regioselective magnetization in semiconducting nanorods. <i>Nature Nanotechnology</i> , 2020 , 15, 192-197	28.7	25
188	Counterintuitive Ballistic and Directional Liquid Transport on a Flexible Droplet Rectifier. <i>Research</i> , 2020 , 2020, 6472313	7.8	5
187	Cold welding assisted self-healing of fractured ultrathin Au nanowires. <i>Nano Express</i> , 2020 , 1, 020014	2	2
186	Large Elastic Deformation and Defect Tolerance of Hexagonal Boron Nitride Monolayers. <i>Cell Reports Physical Science</i> , 2020 , 1, 100172	6.1	8
185	Two-dimensional mechanical metamaterials with bending-induced expansion behavior. <i>Applied Physics Letters</i> , 2020 , 117, 011904	3.4	1
184	In situ mechanical characterization of silver nanowire/graphene hybrids films for flexible electronics. <i>International Journal of Smart and Nano Materials</i> , 2020 , 11, 265-276	3.6	5
183	Injectable ferrimagnetic silk fibroin hydrogel for magnetic hyperthermia ablation of deep tumor. <i>Biomaterials</i> , 2020 , 259, 120299	15.6	30

182	Lattice oxygen activation enabled by high-valence metal sites for enhanced water oxidation. <i>Nature Communications</i> , 2020 , 11, 4066	17.4	105
181	Size-dependent fracture behavior of GaN pillars under room temperature compression. <i>Nanoscale</i> , 2020 , 12, 23241-23247	7.7	3
180	Nano electromechanical approach for flexible piezoresistive sensor. <i>Applied Materials Today</i> , 2020 , 18, 100475	6.6	11
179	In situ assembly of magnetic nanocrystals/graphene oxide nanosheets on tumor cells enables efficient cancer therapy. <i>Nano Research</i> , 2020 , 13, 1133-1140	10	4
178	Anti-inflammatory catecholic chitosan hydrogel for rapid surgical trauma healing and subsequent prevention of tumor recurrence. <i>Chinese Chemical Letters</i> , 2020 , 31, 1807-1811	8.1	29
177	Hierarchical hollow microcuboid LiNi _{0.5} Mn _{1.5} O ₄ as cathode material with excellent rate and cycling performance for lithium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2019 , 23, 2927-2935	2.6	2
176	Controllable Tuning of Cobalt Nickel-Layered Double Hydroxide Arrays as Multifunctional Electrodes for Flexible Supercapattery Device and Oxygen Evolution Reaction. <i>ACS Nano</i> , 2019 , 13, 12206-12218	16.7	80
175	Charge reversal induced colloidal hydrogel acts as a multi-stimuli responsive drug delivery platform for synergistic cancer therapy. <i>Materials Horizons</i> , 2019 , 6, 711-716	14.4	41
174	Magnetic liposomal emodin composite with enhanced killing efficiency against breast cancer. <i>Biomaterials Science</i> , 2019 , 7, 867-875	7.4	23
173	Cellular Carbon-Film-Based Flexible Sensor and Waterproof Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 26288-26297	9.5	15
172	MnFeO nanoparticles accelerate the clearance of mutant huntingtin selectively through ubiquitin-proteasome system. <i>Biomaterials</i> , 2019 , 216, 119248	15.6	15
171	Anti-biofouling double-layered unidirectional scaffold for long-term solar-driven water evaporation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16696-16703	13	31
170	PEGylated rhenium nanoclusters: a degradable metal photothermal nanoagent for cancer therapy. <i>Chemical Science</i> , 2019 , 10, 5435-5443	9.4	31
169	Interaction between recrystallization and helium behavior in cold-rolled nickel. <i>Materials Letters</i> , 2019 , 250, 68-71	3.3	5
168	Ferrimagnetic Nanochains-Based Mesenchymal Stem Cell Engineering for Highly Efficient Post-Stroke Recovery. <i>Advanced Functional Materials</i> , 2019 , 29, 1900603	15.6	43
167	Tungsten Nitride/Carbon Cloth as Bifunctional Electrode for Effective Polysulfide Recycling. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3314-3322	6.1	20
166	A liposomal curcumin nanocomposite for magnetic resonance imaging and endoplasmic reticulum stress-mediated chemotherapy of human primary ovarian cancer. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 2938-2947	7.3	9
165	Fluorine and Nitrogen Co-Doped Carbon Dot Complexation with Fe(III) as a T Contrast Agent for Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 18203-18212	9.5	21

164	Nanomechanics of low-dimensional materials for functional applications. <i>Nanoscale Horizons</i> , 2019 , 4, 781-788	10.8	17
163	High Strength and Deformation Mechanisms of AlCoCrFeNi High-Entropy Alloy Thin Films Fabricated by Magnetron Sputtering. <i>Entropy</i> , 2019 , 21,	2.8	16
162	Synthesis of an Oxidation-Sensitive Polyphosphoester Bearing Thioether Group for Triggered Drug Release. <i>Biomacromolecules</i> , 2019 , 20, 1740-1747	6.9	28
161	High performance low-dimensional perovskite solar cells based on a one dimensional lead iodide perovskite. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8811-8817	13	38
160	Mechanical Metamaterials and Their Engineering Applications. <i>Advanced Engineering Materials</i> , 2019 , 21, 1800864	3.5	234
159	Optimization on conditions of podophyllotoxin-loaded liposomes using response surface methodology and its activity on PC3 cells. <i>Journal of Liposome Research</i> , 2019 , 29, 133-141	6.1	2
158	Biomimetic and Radially Symmetric Graphene Aerogel for Flexible Electronics. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900353	6.4	10
157	Reliability of tensile fracture strength of Co-based metallic glass microwires by Weibull statistics. <i>Materials Research Express</i> , 2019 , 6, 106565	1.7	3
156	Thermoresponsive Forming Hydrogel with Sol-Gel Irreversibility for Effective Methicillin-Resistant Infected Wound Healing. <i>ACS Nano</i> , 2019 , 13, 10074-10084	16.7	78
155	Bioinspired Unidirectional Silk Fibroin-Silver Compound Nanowire Composite Scaffold via Interface-Mediated In Situ Synthesis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14152-14156	16.4	10
154	Bioinspired Unidirectional Silk Fibroin-Silver Compound Nanowire Composite Scaffold via Interface-Mediated In Situ Synthesis. <i>Angewandte Chemie</i> , 2019 , 131, 14290-14294	3.6	5
153	Rücktitelbild: Bioinspired Unidirectional Silk Fibroin-Silver Compound Nanowire Composite Scaffold via Interface-Mediated In Situ Synthesis (Angew. Chem. 40/2019). <i>Angewandte Chemie</i> , 2019 , 131, 14528-14528	3.6	0
152	A study of strain-induced indirect-direct bandgap transition for silicon nanowire applications. <i>Journal of Applied Physics</i> , 2019 , 125, 082520	2.5	5
151	In situ tensile fracturing of multilayer graphene nanosheets for their in-plane mechanical properties. <i>Nanotechnology</i> , 2019 , 30, 475708	3.4	6
150	The Core-Shell Heterostructure CNT@LiFeSiO@C as a Highly Stable Cathode Material for Lithium-Ion Batteries. <i>Nanoscale Research Letters</i> , 2019 , 14, 326	5	8
149	Atomic arrangement in CuZr-based metallic glass composites under tensile deformation. <i>Physical Chemistry Chemical Physics</i> , 2019 , 22, 313-324	3.6	7
148	Atomic Study on Tension Behaviors of Sub-10 nm NanoPolycrystalline Cu-Ta Alloy. <i>Materials</i> , 2019 , 12,	3.5	1
147	Sequential Growth of High Quality Sub-10 nm Core-Shell Nanocrystals: Understanding the Nucleation and Growth Process Using Dynamic Light Scattering. <i>Langmuir</i> , 2019 , 35, 489-494	4	4

146	Ultrafast response of spray-on nanocomposite piezoresistive sensors to broadband ultrasound. <i>Carbon</i> , 2019 , 143, 743-751	10.4	22
145	Brittle-to-ductile transition of Au ₂ Al and AuAl ₂ intermetallic compounds in wire bonding. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 862-866	2.1	5
144	NiO-bridged MnCo-hydroxides for flexible high-performance fiber-shaped energy storage device. <i>Applied Surface Science</i> , 2019 , 475, 1058-1064	6.7	31
143	Topology optimization-guided lattice composites and their mechanical characterizations. <i>Composites Part B: Engineering</i> , 2019 , 160, 402-411	10	29
142	Fracture of a silicon nanowire at ultra-large elastic strain. <i>Acta Mechanica</i> , 2019 , 230, 1441-1449	2.1	7
141	Ultralarge elastic deformation of nanoscale diamond. <i>Science</i> , 2018 , 360, 300-302	33.3	151
140	Evolution of Hollow N-Doped Mesoporous Carbon Microspheres from Outdated Milk as Sulfur Cathodes for Lithium-Sulfur Batteries. <i>ChemistrySelect</i> , 2018 , 3, 3952-3957	1.8	10
139	Mechanically Assisted Self-Healing of Ultrathin Gold Nanowires. <i>Small</i> , 2018 , 14, e1704085	11	14
138	Epitaxial growth of ultrathin layers on the surface of sub-10nm nanoparticles: the case of ErNaGdF:Yb/Er@NaDyF nanoparticles. <i>RSC Advances</i> , 2018 , 8, 12944-12950	3.7	4
137	Mechanical Enhancement of Core-Shell Microlattices through High-Entropy Alloy Coating. <i>Scientific Reports</i> , 2018 , 8, 5442	4.9	23
136	Digital micromirror device (DMD)-based high-cycle tensile fatigue testing of 1D nanomaterials. <i>Extreme Mechanics Letters</i> , 2018 , 18, 79-85	3.9	6
135	Stable gadolinium based nanoscale lyophilized injection for enhanced MR angiography with efficient renal clearance. <i>Biomaterials</i> , 2018 , 158, 74-85	15.6	28
134	Mechanically stable ternary heterogeneous electrodes for energy storage and conversion. <i>Nanoscale</i> , 2018 , 10, 2613-2622	7.7	22
133	Size-dependent fracture behavior of silver nanowires. <i>Nanotechnology</i> , 2018 , 29, 295703	3.4	11
132	Calcium carbonate-doxorubicin@silica-indocyanine green nanospheres with photo-triggered drug delivery enhance cell killing in drug-resistant breast cancer cells. <i>Nano Research</i> , 2018 , 11, 3385-3395	10	15
131	Electrospun porous MnMoO ₄ nanotubes as high-performance electrodes for asymmetric supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 657-666	2.6	14
130	High-Entropy Alloy (HEA)-Coated Nanolattice Structures and Their Mechanical Properties. <i>Advanced Engineering Materials</i> , 2018 , 20, 1700625	3.5	40
129	Transforming ground mica into high-performance biomimetic polymeric mica film. <i>Nature Communications</i> , 2018 , 9, 2974	17.4	57

128	Direct quantification of mechanical responses of TiSiN/Ag multilayer coatings through uniaxial compression of micropillars. <i>Vacuum</i> , 2018 , 156, 310-316	3.7	16
127	In Situ Formation of Copper-Based Hosts Embedded within 3D N-Doped Hierarchically Porous Carbon Networks for Ultralong Cycle Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1804520	15.6	66
126	Graphene-Bridged Multifunctional Flexible Fiber Supercapacitor with High Energy Density. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 28597-28607	9.5	59
125	Metal-coated hybrid meso-lattice composites and their mechanical characterizations. <i>Composite Structures</i> , 2018 , 203, 750-763	5.3	23
124	Self-assembled KCuS nanowire monolayers for self-powered near-infrared photodetectors. <i>Nanoscale</i> , 2018 , 10, 18502-18509	7.7	11
123	Rational design of double-confined Mn ₂ O ₃ /S@Al ₂ O ₃ nanocube cathodes for lithium-sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , 2018 , 22, 849-858	2.6	16
122	Unzipping of twin lamella in nanotwinned nickel nanowires under flexural bending. <i>Materials Research Letters</i> , 2018 , 6, 13-21	7.4	6
121	Strong and stiff Ag nanowire-chitosan composite films reinforced by Ag-S covalent bonds. <i>Nano Research</i> , 2018 , 11, 410-419	10	22
120	In situ atomic-scale analysis of Rayleigh instability in ultrathin gold nanowires. <i>Nano Research</i> , 2018 , 11, 625-632	10	32
119	Ultralight supercapacitors utilizing waste cotton pads for wearable energy storage. <i>Dalton Transactions</i> , 2018 , 47, 16684-16695	4.3	8
118	Rational Design of 3D Honeycomb-Like SnS Quantum Dots/rGO Composites as High-Performance Anode Materials for Lithium/Sodium-Ion Batteries. <i>Nanoscale Research Letters</i> , 2018 , 13, 389	5	22
117	Fully Controllable Design and Fabrication of Three-Dimensional Lattice Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39839-39850	9.5	43
116	Microwave-Assisted Facile Synthesis of Eu(OH) ₃ Nanoclusters with Pro-Proliferative Activity Mediated by miR-199a-3p. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31044-31053	9.5	3
115	An atomistic study on the mechanical behavior of bamboo cell wall constituents. <i>Composites Part B: Engineering</i> , 2018 , 151, 222-231	10	27
114	Natural Porous Biomass Carbons Derived from Loofah Sponge for Construction of SnO ₂ @C Composite: A Smart Strategy to Fabricate Sustainable Anodes for Li-Ion Batteries. <i>ChemistrySelect</i> , 2018 , 3, 5883-5890	1.8	11
113	Deep Ultra-Strength-Induced Band Structure Evolution in Silicon Nanowires. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 15780-15785	3.8	3
112	Controlled synthesis of hierarchical CoMn ₂ O ₄ nanostructures for flexible all-solid-state battery-type electrodes. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 1579-1587	2.6	9
111	Flexible Fiber-Shaped Supercapacitor Based on Nickel-Cobalt Double Hydroxide and Pen Ink Electrodes on Metallized Carbon Fiber. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5409-5418	9.5	120

110	Sequential Growth of NaYF:Yb/Er@NaGdF Nanodumbbells for Dual-Modality Fluorescence and Magnetic Resonance Imaging. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9226-9232	9.5	36
109	Highly Stimuli-Responsive Au Nanorods/Poly(N-isopropylacrylamide) (PNIPAM) Composite Hydrogel for Smart Switch. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 24857-24863	9.5	87
108	In situ nanomechanical characterization of multi-layer MoS membranes: from intraplanar to interplanar fracture. <i>Nanoscale</i> , 2017 , 9, 9119-9128	7.7	28
107	Degradation-Restructuring Induced Anisotropic Epitaxial Growth for Fabrication of Asymmetric Diblock and Triblock Mesoporous Nanocomposites. <i>Advanced Materials</i> , 2017 , 29, 1701652	24	39
106	Abnormal nonlocal scale effect on static bending of single-layer MoS. <i>Nanotechnology</i> , 2017 , 28, 2157063,4		0
105	Ultrathin ZnS nanosheet/carbon nanotube hybrid electrode for high-performance flexible all-solid-state supercapacitor. <i>Nano Research</i> , 2017 , 10, 2570-2583	10	69
104	Fatigue characterization of structural bamboo materials under flexural bending. <i>International Journal of Fatigue</i> , 2017 , 100, 126-135	5	36
103	Nacre-mimic Reinforced Ag@reduced Graphene Oxide-Sodium Alginate Composite Film for Wound Healing. <i>Scientific Reports</i> , 2017 , 7, 13851	4.9	17
102	Sequential growth of CaF:Yb,Er@CaF:Gd nanoparticles for efficient magnetic resonance angiography and tumor diagnosis. <i>Biomaterials Science</i> , 2017 , 5, 2403-2415	7.4	25
101	In Situ SEM Torsion Test of Metallic Glass Microwires Based on Micro Robotic Manipulation. <i>Scanning</i> , 2017 , 2017, 6215691	1.6	5
100	Rationally designed nickel oxide ravines@iron cobalt-hydroxides with largely enhanced capacitive performance for asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16944-16952	13	26
99	Encapsulation of Se/C into ultra-thin Ni(OH) ₂ nanosheets as cathode materials for lithium-selenium batteries. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 3611-3618	2.6	9
98	Iron oxide nanoclusters for T magnetic resonance imaging of non-human primates. <i>Nature Biomedical Engineering</i> , 2017 , 1, 637-643	19	117
97	Nanocrystalline high-entropy alloy (CoCrFeNiAl _{0.3}) thin-film coating by magnetron sputtering. <i>Thin Solid Films</i> , 2017 , 638, 383-388	2.2	78
96	Ambient Aqueous Synthesis of Ultrasmall NiSe Nanoparticles for Noninvasive Photoacoustic Imaging and Combined Photothermal-Chemotherapy of Cancer. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 41782-41793	9.5	40
95	Controlled synthesis of upconverting nanoparticles/CuS yolk-shell nanoparticles for in vitro synergistic photothermal and photodynamic therapy of cancer cells. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 9487-9496	7.3	37
94	Seed-assisted smart construction of high mass loading NiCoMn hydroxide nanoflakes for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16776-16785	13	69
93	Microstructure Evolution and Mechanical Properties of a SMATed Mg Alloy under In Situ SEM Tensile Testing. <i>Journal of Materials Science and Technology</i> , 2017 , 33, 224-230	9.1	30

92	Copper sulfide nanoneedles on CNT backbone composite electrodes for high-performance supercapacitors and Li-S batteries. <i>Journal of Solid State Electrochemistry</i> , 2017 , 21, 349-359	2.6	20
91	Microstructure, Mechanical and Corrosion Behaviors of CoCrFeNiAl _{0.3} High Entropy Alloy (HEA) Films. <i>Coatings</i> , 2017 , 7, 156	2.9	34
90	Recent Advances on In Situ SEM Mechanical and Electrical Characterization of Low-Dimensional Nanomaterials. <i>Scanning</i> , 2017 , 2017, 1985149	1.6	12
89	Stable Gold Nanorods Conjugated Liposomal Podophyllotoxin Nanocomposites for Synergistic Chemo-Photothermal Cancer Therapy. <i>Journal of Biomedical Nanotechnology</i> , 2017 , 13, 1435-1445	4	10
88	NiCo ₂ S ₄ /carbon nanotube nanocomposites with a chain-like architecture for enhanced supercapacitor performance. <i>CrystEngComm</i> , 2016 , 18, 7696-7706	3.3	48
87	Controllable high-throughput fabrication of porous gold nanorods driven by Rayleigh instability. <i>RSC Advances</i> , 2016 , 6, 66484-66489	3.7	8
86	High strength and high ductility copper obtained by topologically controlled planar heterogeneous structures. <i>Scripta Materialia</i> , 2016 , 124, 103-107	5.6	26
85	On-Nanowire Axial Heterojunction Design for High-Performance Photodetectors. <i>ACS Nano</i> , 2016 , 10, 8474-81	16.7	73
84	Approaching the ideal elastic strain limit in silicon nanowires. <i>Science Advances</i> , 2016 , 2, e1501382	14.3	116
83	Super-elastic and fatigue resistant carbon material with lamellar multi-arch microstructure. <i>Nature Communications</i> , 2016 , 7, 12920	17.4	245
82	Understanding the tensile behaviors of ultra-thin ZnO nanowires via molecular dynamics simulations. <i>AIP Advances</i> , 2016 , 6, 035111	1.5	8
81	Filtration Shell Mediated Power Density Independent Orthogonal Excitations-Emissions Upconversion Luminescence. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2464-9	16.4	186
80	Cooling Growth of Millimeter-Size Single-Crystal Bilayer Graphene at Atmospheric Pressure. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 13596-13603	3.8	12
79	Lanthanide co-doped paramagnetic spindle-like mesocrystals for imaging and autophagy induction. <i>Nanoscale</i> , 2016 , 8, 13399-406	7.7	11
78	Side-to-Side Cold Welding for Controllable Nanogap Formation from "Dumbbell" Ultrathin Gold Nanorods. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 13506-11	9.5	12
77	Viscoelastic damping behavior of structural bamboo material and its microstructural origins. <i>Mechanics of Materials</i> , 2016 , 97, 184-198	3.3	32
76	Magnetic hydroxyapatite nanoworms for magnetic resonance diagnosis of acute hepatic injury. <i>Nanoscale</i> , 2016 , 8, 1684-90	7.7	22
75	Digital Micromirror Device (DMD)-Based High-Cycle Torsional Fatigue Testing Micromachine for 1D Nanomaterials. <i>Micromachines</i> , 2016 , 7,	3.3	11

74	Filtration Shell Mediated Power Density Independent Orthogonal Excitations Emissions Upconversion Luminescence. <i>Angewandte Chemie</i> , 2016 , 128, 2510-2515	3.6	33
73	In situ mechanical characterization of CoCrCuFeNi high-entropy alloy micro/nano-pillars for their size-dependent mechanical behavior. <i>Materials Research Express</i> , 2016 , 3, 094002	1.7	38
72	Fracto-emission in lanthanum-based metallic glass microwires under quasi-static tensile loading. <i>Journal of Applied Physics</i> , 2016 , 119, 155102	2.5	7
71	Self-assembly of hierarchical 3D starfish-like Co ₃ O ₄ nanowire bundles on nickel foam for high-performance supercapacitor. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	21
70	Hierarchical Core/Shell NiCo ₂ O ₄ @NiCo ₂ O ₄ Nanocactus Arrays with Dual-functionalities for High Performance Supercapacitors and Li-ion Batteries. <i>Scientific Reports</i> , 2015 , 5, 12099	4.9	84
69	Growth and electrochemical performance of porous NiMn ₂ O ₄ nanosheets with high specific surface areas. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 3169-3175	2.6	17
68	Facile synthesis of ErNaGdF ₄ :Yb/Er@CaF ₂ nanoparticles with enhanced upconversion fluorescence and stability via a sequential growth process. <i>CrystEngComm</i> , 2015 , 17, 5900-5905	3.3	12
67	Facile synthesis of graphene-like copper oxide nanofilms with enhanced electrochemical and photocatalytic properties in energy and environmental applications. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9682-90	9.5	79
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