

Yang Lu

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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	Multifunctional tumor pH-sensitive self-assembled nanoparticles for bimodal imaging and treatment of resistant heterogeneous tumors. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5647-55	16.4	378
216	Cold welding of ultrathin gold nanowires. <i>Nature Nanotechnology</i> , 2010 , 5, 218-24	28.7	370
215	Water-soluble magnetic-functionalized reduced graphene oxide sheets: in situ synthesis and magnetic resonance imaging applications. <i>Small</i> , 2010 , 6, 169-73	11	323
214	Facile synthesis of silver@graphene oxide nanocomposites and their enhanced antibacterial properties. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4593		280
213	Super-elastic and fatigue resistant carbon material with lamellar multi-arch microstructure. <i>Nature Communications</i> , 2016 , 7, 12920	17.4	245
212	Mechanical Metamaterials and Their Engineering Applications. <i>Advanced Engineering Materials</i> , 2019 , 21, 1800864	3.5	234
211	Photothermally Sensitive Poly(N-isopropylacrylamide)/Graphene Oxide Nanocomposite Hydrogels as Remote Light-Controlled Liquid Microvalves. <i>Advanced Functional Materials</i> , 2012 , 22, 4017-4022	15.6	230
210	Synthesis of an attapulgite clay@carbon nanocomposite adsorbent by a hydrothermal carbonization process and their application in the removal of toxic metal ions from water. <i>Langmuir</i> , 2011 , 27, 8998-9004	4	229
209	Large scale photochemical synthesis of M@TiO ₂ nanocomposites (M = Ag, Pd, Au, Pt) and their optical properties, CO oxidation performance, and antibacterial effect. <i>Nano Research</i> , 2010 , 3, 244-255	10	223
208	Controlled propulsion and cargo transport of rotating nickel nanowires near a patterned solid surface. <i>ACS Nano</i> , 2010 , 4, 6228-34	16.7	216
207	Filtration Shell Mediated Power Density Independent Orthogonal Excitations-Emissions Upconversion Luminescence. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2464-9	16.4	186
206	Macroscopic free-standing hierarchical 3D architectures assembled from silver nanowires by ice templating. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 4561-6	16.4	158
205	High yield synthesis of bracelet-like hydrophilic Ni-Co magnetic alloy flux-closure nanorings. <i>Journal of the American Chemical Society</i> , 2008 , 130, 11606-7	16.4	152
204	Ultralarge elastic deformation of nanoscale diamond. <i>Science</i> , 2018 , 360, 300-302	33.3	151
203	Mesoporous CuCo ₂ O ₄ nanograsses as multi-functional electrodes for supercapacitors and electro-catalysts. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 9769-9776	13	149
202	Templating synthesis of preloaded Doxorubicin in hollow mesoporous silica nanospheres for biomedical applications. <i>Advanced Materials</i> , 2010 , 22, 5255-9	24	143
201	Hydrophilic Co@Au yolk/shell nanospheres: synthesis, assembly, and application to gene delivery. <i>Advanced Materials</i> , 2010 , 22, 1407-11	24	137

200	Biocompatible, Luminescent Silver@Phenol Formaldehyde Resin Core/Shell Nanospheres: Large-Scale Synthesis and Application for In Vivo Bioimaging. <i>Advanced Functional Materials</i> , 2008 , 18, 872-879	15.6	136
199	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
198	Phenol formaldehyde resin nanoparticles loaded with CdTe quantum dots: a fluorescence resonance energy transfer probe for optical visual detection of copper(II) ions. <i>ACS Nano</i> , 2011 , 5, 2147-2154	16.7	119
197	Iron oxide nanoclusters for T magnetic resonance imaging of non-human primates. <i>Nature Biomedical Engineering</i> , 2017 , 1, 637-643	19	117
196	Approaching the ideal elastic strain limit in silicon nanowires. <i>Science Advances</i> , 2016 , 2, e1501382	14.3	116
195	Asymmetric flexural behavior from bamboo's functionally graded hierarchical structure: underlying mechanisms. <i>Acta Biomaterialia</i> , 2015 , 16, 178-86	10.8	115
194	Self-assembled graphene@PANI nanoworm composites with enhanced supercapacitor performance. <i>RSC Advances</i> , 2013 , 3, 5851	3.7	114
193	Lattice oxygen activation enabled by high-valence metal sites for enhanced water oxidation. <i>Nature Communications</i> , 2020 , 11, 4066	17.4	105
192	Fracture of Sub-20nm Ultrathin Gold Nanowires. <i>Advanced Functional Materials</i> , 2011 , 21, 3982-3989	15.6	93
191	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	90
190	Elastic straining of free-standing monolayer graphene. <i>Nature Communications</i> , 2020 , 11, 284	17.4	89
189	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
188	Rare earth oxide nanocrystals induce autophagy in HeLa cells. <i>Small</i> , 2009 , 5, 2784-7	11	87
187	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
186	C60(Nd) nanoparticles enhance chemotherapeutic susceptibility of cancer cells by modulation of autophagy. <i>Nanotechnology</i> , 2010 , 21, 495101	3.4	83
185	Crack propagation in bamboo's hierarchical cellular structure. <i>Scientific Reports</i> , 2014 , 4, 5598	4.9	81
184	Solution growth of NiO nanosheets supported on Ni foam as high-performance electrodes for supercapacitors. <i>Nanoscale Research Letters</i> , 2014 , 9, 424	5	81
183	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

182	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
181	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
180	Interface toughness of carbon nanotube reinforced epoxy composites. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 129-34	9.5	78
179	On-Nanowire Axial Heterojunction Design for High-Performance Photodetectors. <i>ACS Nano</i> , 2016 , 10, 8474-81	16.7	73
178	Synthesis of superparamagnetic CaCO ₃ mesocrystals for multistage delivery in cancer therapy. <i>Small</i> , 2010 , 6, 2436-42	11	71
177	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
176	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
175	Surface dislocation nucleation mediated deformation and ultrahigh strength in sub-10-nm gold nanowires. <i>Nano Research</i> , 2011 , 4, 1261-1267	10	67
174	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
173	MnO Nanocrystals: A Platform for Integration of MRI and Genuine Autophagy Induction for Chemotherapy. <i>Advanced Functional Materials</i> , 2013 , 23, 1534-1546	15.6	66
172	Photothermal poly(N-isopropylacrylamide)/Fe ₃ O ₄ nanocomposite hydrogel as a movable position heating source under remote control. <i>Small</i> , 2014 , 10, 2796-800, 2741	11	62
171	Hierarchical, porous CuS microspheres integrated with carbon nanotubes for high-performance supercapacitors. <i>Scientific Reports</i> , 2015 , 5, 16584	4.9	62
170	Graphene-Bridged Multifunctional Flexible Fiber Supercapacitor with High Energy Density. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 28597-28607	9.5	59
169	Controlled Synthesis and Biocompatibility of Water-Soluble ZnO Nanorods/Au Nanocomposites with Tunable UV and Visible Emission Intensity. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 19872-19877	3.8	58
168	Transforming ground mica into high-performance biomimetic polymeric mica film. <i>Nature Communications</i> , 2018 , 9, 2974	17.4	57
167	Quantitative in situ TEM tensile testing of an individual nickel nanowire. <i>Nanotechnology</i> , 2011 , 22, 355792	9.2	57
166	Effect of nitrogen doping on the mechanical properties of carbon nanotubes. <i>ACS Nano</i> , 2010 , 4, 7637-436.7	3.7	54
165	Development and Application of a Novel Microfabricated Device for the In Situ Tensile Testing of 1-D Nanomaterials. <i>Journal of Microelectromechanical Systems</i> , 2010 , 19, 675-682	2.5	54

164	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
163	Synthesis of Fe ₃ O ₄ @phenol formaldehyde resin core-shell nanospheres loaded with Au nanoparticles as magnetic FRET nanoprobes for detection of thiols in living cells. <i>Chemistry - A European Journal</i> , 2012 , 18, 1154-60	4.8	48
162	A shape-memory scaffold for macroscale assembly of functional nanoscale building blocks. <i>Materials Horizons</i> , 2014 , 1, 69-73	14.4	47
161	Magnetic Alloy Nanorings Loaded with Gold Nanoparticles: Synthesis and Applications as Multimodal Imaging Contrast Agents. <i>Advanced Functional Materials</i> , 2010 , 20, 3701-3706	15.6	47
160	Ag Nanoparticles Cluster with pH-Triggered Reassembly in Targeting Antimicrobial Applications. <i>Advanced Functional Materials</i> , 2020 , 30, 2000511	15.6	46
159	Biogenic and biomimetic magnetic nanosized assemblies. <i>Nano Today</i> , 2012 , 7, 297-315	17.9	46
158	Hierarchical porous CuO nanostructures with tunable properties for high performance supercapacitors. <i>RSC Advances</i> , 2015 , 5, 10773-10781	3.7	45
157	Ferrimagnetic Nanochains-Based Mesenchymal Stem Cell Engineering for Highly Efficient Post-Stroke Recovery. <i>Advanced Functional Materials</i> , 2019 , 29, 1900603	15.6	43
156	PEGylated upconverting luminescent hollow nanospheres for drug delivery and in vivo imaging. <i>Small</i> , 2013 , 9, 3235-41	11	43
155	Fully Controllable Design and Fabrication of Three-Dimensional Lattice Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39839-39850	9.5	43
154	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
153	Quantitative in-situ nanomechanical characterization of metallic nanowires. <i>Jom</i> , 2011 , 63, 35-42	2.1	41
152	High-Entropy Alloy (HEA)-Coated Nanolattice Structures and Their Mechanical Properties. <i>Advanced Engineering Materials</i> , 2018 , 20, 1700625	3.5	40
151	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
150	Tuning Magnetic Property and Autophagic Response for Self-Assembled Ni ₄₀ Alloy Nanocrystals. <i>Advanced Functional Materials</i> , 2013 , 23, 5930-5940	15.6	40
149	Degradation-Restructuring Induced Anisotropic Epitaxial Growth for Fabrication of Asymmetric Diblock and Triblock Mesoporous Nanocomposites. <i>Advanced Materials</i> , 2017 , 29, 1701652	24	39
148	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
147	In situmechanical 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

146	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
145	Monodisperse mesocrystals of YF ₃ and Ce ³⁺ /Ln ³⁺ (Ln=Tb, Eu) co-activated YF ₃ : shape control synthesis, luminescent properties, and biocompatibility. <i>Chemistry - A European Journal</i> , 2012 , 18, 5222-31	4.8	37
144	Sequential Growth of NaYF ₃ :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
143	Fatigue characterization of structural bamboo materials under flexural bending. <i>International Journal of Fatigue</i> , 2017 , 100, 126-135	5	36
142	Synthesis of multifunctional Ag@Au@phenol formaldehyde resin particles loaded with folic acids for photothermal therapy. <i>Chemistry - A European Journal</i> , 2012 , 18, 9294-9	4.8	36
141	Hierarchical 3D Co ₃ O ₄ @MnO ₂ core/shell nanoconch arrays on Ni foam for enhanced electrochemical performance. <i>Journal of Solid State Electrochemistry</i> , 2015 , 19, 391-401	2.6	35
140	Microstructure, Mechanical and Corrosion Behaviors of CoCrFeNiAl _{0.3} High Entropy Alloy (HEA) Films. <i>Coatings</i> , 2017 , 7, 156	2.9	34
139	Bioinspired greigite magnetic nanocrystals: chemical synthesis and biomedicine applications. <i>Scientific Reports</i> , 2013 , 3, 2994	4.9	33
138	Filtration Shell Mediated Power Density Independent Orthogonal Excitations Emissions Upconversion Luminescence. <i>Angewandte Chemie</i> , 2016 , 128, 2510-2515	3.6	33
137	Viscoelastic damping behavior of structural bamboo material and its microstructural origins. <i>Mechanics of Materials</i> , 2016 , 97, 184-198	3.3	32
136	In situ atomic-scale analysis of Rayleigh instability in ultrathin gold nanowires. <i>Nano Research</i> , 2018 , 11, 625-632	10	32
135	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
134	PEGylated rhenium nanoclusters: a degradable metal photothermal nanoagent for cancer therapy. <i>Chemical Science</i> , 2019 , 10, 5435-5443	9.4	31
133	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
132	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
131	Injectable ferrimagnetic silk fibroin hydrogel for magnetic hyperthermia ablation of deep tumor. <i>Biomaterials</i> , 2020 , 259, 120299	15.6	30
130	Cost-effective CuO nanotube electrodes for energy storage and non-enzymatic glucose detection. <i>RSC Advances</i> , 2014 , 4, 46814-46822	3.7	29
129	Topology optimization-guided lattice composites and their mechanical characterizations. <i>Composites Part B: Engineering</i> , 2019 , 160, 402-411	10	29

128	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
127	In situ nanomechanical characterization of multi-layer MoS membranes: from intraplanar to interplanar fracture. <i>Nanoscale</i> , 2017 , 9, 9119-9128	7.7	28
126	Synthesis of an Oxidation-Sensitive Polyphosphoester Bearing Thioether Group for Triggered Drug Release. <i>Biomacromolecules</i> , 2019 , 20, 1740-1747	6.9	28
125	Stable gadolinium based nanoscale lyophilized injection for enhanced MR angiography with efficient renal clearance. <i>Biomaterials</i> , 2018 , 158, 74-85	15.6	28
124	Synthesis of Mesoporous Calcium Phosphate Microspheres by Chemical Transformation Process: Their Stability and Encapsulation of Carboxymethyl Chitosan. <i>Crystal Growth and Design</i> , 2013 , 13, 3201-3207	3.5	27
123	Facile Surfactant-Free Synthesis of Water-Dispersible Willow-Leaf-Like Carbonate Apatite Nanorods in Ethanol/Water Mixed Solution and Their Cytotoxicity. <i>Crystal Growth and Design</i> , 2008 , 8, 3822-3828	3.5	27
122	An atomistic study on the mechanical behavior of bamboo cell wall constituents. <i>Composites Part B: Engineering</i> , 2018 , 151, 222-231	10	27
121	High strength and high ductility copper obtained by topologically controlled planar heterogeneous structures. <i>Scripta Materialia</i> , 2016 , 124, 103-107	5.6	26
120	Rationally designed nickel oxide ravin@iron cobalt-hydroxides with largely enhanced capacitive performance for asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16944-16952	13	26
119	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
118	Enzyme-Responsive Ag Nanoparticle Assemblies in Targeting Antibacterial against Methicillin-Resistant. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4333-4342	9.5	25
117	Regioselective magnetization in semiconducting nanorods. <i>Nature Nanotechnology</i> , 2020 , 15, 192-197	28.7	25
116	Magnetic liposomal emodin composite with enhanced killing efficiency against breast cancer. <i>Biomaterials Science</i> , 2019 , 7, 867-875	7.4	23
115	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
114	Mechanical Enhancement of Core-Shell Microlattices through High-Entropy Alloy Coating. <i>Scientific Reports</i> , 2018 , 8, 5442	4.9	23
113	Metal-coated hybrid meso-lattice composites and their mechanical characterizations. <i>Composite Structures</i> , 2018 , 203, 750-763	5.3	23
112	Macroscopic Free-Standing Hierarchical 3D Architectures Assembled from Silver Nanowires by Ice Templating. <i>Angewandte Chemie</i> , 2014 , 126, 4649-4654	3.6	23
111	Mechanically stable ternary heterogeneous electrodes for energy storage and conversion. <i>Nanoscale</i> , 2018 , 10, 2613-2622	7.7	22

110	Magnetic hydroxyapatite nanoworms for magnetic resonance diagnosis of acute hepatic injury. <i>Nanoscale</i> , 2016 , 8, 1684-90	7.7	22
109	Ultrafast response of spray-on nanocomposite piezoresistive sensors to broadband ultrasound. <i>Carbon</i> , 2019 , 143, 743-751	10.4	22
108	Strong and stiff Ag nanowire-chitosan composite films reinforced by Ag β covalent bonds. <i>Nano Research</i> , 2018 , 11, 410-419	10	22
107	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
106	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
105	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
104	Tungsten Nitride/Carbon Cloth as Bifunctional Electrode for Effective Polysulfide Recycling. <i>ACS Applied Energy Materials</i> , 2019 , 2, 3314-3322	6.1	20
103	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
102	Nacre-mimic Reinforced Ag@reduced Graphene Oxide-Sodium Alginate Composite Film for Wound Healing. <i>Scientific Reports</i> , 2017 , 7, 13851	4.9	17
101	Nanomechanics of low-dimensional materials for functional applications. <i>Nanoscale Horizons</i> , 2019 , 4, 781-788	10.8	17
100	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
99	High electrical conductivity of graphene-based transparent conductive films with silver nanocomposites. <i>RSC Advances</i> , 2015 , 5, 108044-108049	3.7	17
98	The Drosophila transcription factor ultrabithorax self-assembles into protein-based biomaterials with multiple morphologies. <i>Biomacromolecules</i> , 2009 , 10, 829-37	6.9	17
97	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
96	High Strength and Deformation Mechanisms of AlCoCrFeNi High-Entropy Alloy Thin Films Fabricated by Magnetron Sputtering. <i>Entropy</i> , 2019 , 21,	2.8	16
95	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
94	Synthesis of tunable theranostic Fe ₃ O ₄ @mesoporous silica nanospheres for biomedical applications. <i>Advanced Healthcare Materials</i> , 2012 , 1, 327-31	10.1	16
93	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

92	Cellular Carbon-Film-Based Flexible Sensor and Waterproof Supercapacitors. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 26288-26297	9.5	15
91	MnFeO nanoparticles accelerate the clearance of mutant huntingtin selectively through ubiquitin-proteasome system. <i>Biomaterials</i> , 2019 , 216, 119248	15.6	15
90	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
89	Size dictates mechanical properties for protein fibers self-assembled by the Drosophila hox transcription factor ultrabithorax. <i>Biomacromolecules</i> , 2010 , 11, 3644-51	6.9	15
88	Solvothermal synthesis and mechanical characterization of single crystalline copper nanorings. <i>Journal of Crystal Growth</i> , 2011 , 325, 76-80	1.6	15
87	Mechanically Assisted Self-Healing of Ultrathin Gold Nanowires. <i>Small</i> , 2018 , 14, e1704085	11	14
86	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
85	Hierarchical multi-villous nickel-cobalt oxide nanocyclohexane arrays: morphology control and electrochemical supercapacitive behaviors. <i>CrystEngComm</i> , 2014 , 16, 9735-9742	3.3	13
84	Facile synthesis of NaGdF 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
83	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
82	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
81	Recent Advances on In Situ SEM Mechanical and Electrical Characterization of Low-Dimensional Nanomaterials. <i>Scanning</i> , 2017 , 2017, 1985149	1.6	12
80	Selective synthesis of Zn(1 - x)Mn(x)Se nanobelts and nanotubes from [Zn(1 - x)Mn(x)Se](DETA) _{0.5} nanobelts in solution (x = 0-0.15) and their EPR and optical properties. <i>Langmuir</i> , 2010 , 26, 12882-9	4	12
79	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
78	Size-dependent fracture behavior of silver nanowires. <i>Nanotechnology</i> , 2018 , 29, 295703	3.4	11
77	Lanthanide co-doped paramagnetic spindle-like mesocrystals for imaging and autophagy induction. <i>Nanoscale</i> , 2016 , 8, 13399-406	7.7	11
76	Self-assembled KCuS nanowire monolayers for self-powered near-infrared photodetectors. <i>Nanoscale</i> , 2018 , 10, 18502-18509	7.7	11
75	Hollow medium-entropy alloy nanolattices with ultrahigh energy absorption and resilience. <i>NPG Asia Materials</i> , 2021 , 13,	10.3	11

74	Digital Micromirror Device (DMD)-Based High-Cycle Torsional Fatigue Testing Micromachine for 1D Nanomaterials. <i>Micromachines</i> , 2016 , 7,	3.3	11
73	Nano electromechanical approach for flexible piezoresistive sensor. <i>Applied Materials Today</i> , 2020 , 18, 100475	6.6	11
72	Natural Porous Biomass Carbons Derived from Loofah Sponge for Construction of SnO ₂ @C Composite: A Smart Strategy to Fabricate Sustainable Anodes for Li <i>bn</i> Batteries. <i>ChemistrySelect</i> , 2018 , 3, 5883-5890	1.8	11
71	Annealing-induced abnormal hardening in nanocrystalline NbMoTaW high-entropy alloy thin films. <i>Materials Letters</i> , 2020 , 275, 128097	3.3	10
70	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
69	Biomimetic and Radially Symmetric Graphene Aerogel for Flexible Electronics. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900353	6.4	10
68	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
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