

# Yang Lu

## List of Publications by Year in descending order

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224  
papers

13,112  
citations

25031

57  
h-index

28296

105  
g-index

229  
all docs

229  
docs citations

229  
times ranked

21155  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical Metamaterials and Their Engineering Applications. <i>Advanced Engineering Materials</i> , 2019, 21, 1800864.	3.5	493
2	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, 5647-5655.	13.7	452
3	Cold welding of ultrathin gold nanowires. <i>Nature Nanotechnology</i> , 2010, 5, 218-224.	31.5	432
4	Super-elastic and fatigue resistant carbon material with lamellar multi-arch microstructure. <i>Nature Communications</i> , 2016, 7, 12920.	12.8	344
5	Water-Soluble Magnetic-Functionalized Reduced Graphene Oxide Sheets: In situ Synthesis and Magnetic Resonance Imaging Applications. <i>Small</i> , 2010, 6, 169-173.	10.0	342
6	Lattice oxygen activation enabled by high-valence metal sites for enhanced water oxidation. <i>Nature Communications</i> , 2020, 11, 4066.	12.8	337
7	Facile synthesis of silver-graphene oxide nanocomposites and their enhanced antibacterial properties. <i>Journal of Materials Chemistry</i> , 2011, 21, 4593.	6.7	313
8	Controlled Propulsion and Cargo Transport of Rotating Nickel Nanowires near a Patterned Solid Surface. <i>ACS Nano</i> , 2010, 4, 6228-6234.	14.6	269
9	Photothermally Sensitive Poly( <i>N</i> -isopropylacrylamide)/Graphene Oxide Nanocomposite Hydrogels as Remote Light-Controlled Liquid Microvalves. <i>Advanced Functional Materials</i> , 2012, 22, 4017-4022.	14.9	258
10	Large scale photochemical synthesis of M@TiO <sub>2</sub> nanocomposites (M = Ag, Pd, Au, Pt) and their optical properties, CO oxidation performance, and antibacterial effect. <i>Nano Research</i> , 2010, 3, 244-255.	10.4	254
11	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.	3.5	247
12	Filtration Shell Mediated Power Density Independent Orthogonal Excitations-Emissions Upconversion Luminescence. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2464-2469.	13.8	219
13	Ultralarge elastic deformation of nanoscale diamond. <i>Science</i> , 2018, 360, 300-302.	12.6	208
14	Elastic straining of free-standing monolayer graphene. <i>Nature Communications</i> , 2020, 11, 284.	12.8	194
15	Mesoporous CuCo <sub>2</sub> O <sub>4</sub> nanograsses as multi-functional electrodes for supercapacitors and electro-catalysts. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9769-9776.	10.3	192
16	Macroscopic Free-Standing Hierarchical 3D Architectures Assembled from Silver Nanowires by Ice Templating. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4561-4566.	13.8	184
17	Asymmetric flexural behavior from bamboo's functionally graded hierarchical structure: Underlying mechanisms. <i>Acta Biomaterialia</i> , 2015, 16, 178-186.	8.3	171
18	Approaching the ideal elastic strain limit in silicon nanowires. <i>Science Advances</i> , 2016, 2, e1501382.	10.3	169

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19	High Yield Synthesis of Bracelet-like Hydrophilic Ni <sup>2+</sup> /Co Magnetic Alloy Flux-Closure Nanorings. <i>Journal of the American Chemical Society</i> , 2008, 130, 11606-11607.	13.7	164
20	Thermoresponsive <i>in Situ</i> Forming Hydrogel with Sol-Gel Irreversibility for Effective Methicillin-Resistant <i>Staphylococcus aureus</i> Infected Wound Healing. <i>ACS Nano</i> , 2019, 13, 10074-10084.	14.6	160
21	Biocompatible, Luminescent Silver@Phenol Formaldehyde Resin Core/Shell Nanospheres: Large-Scale Synthesis and Application for <i>In Vivo</i> Bioimaging. <i>Advanced Functional Materials</i> , 2008, 18, 872-879.	14.9	156
22	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.	14.6	155
23	Templating Synthesis of Preloaded Doxorubicin in Hollow Mesoporous Silica Nanospheres for Biomedical Applications. <i>Advanced Materials</i> , 2010, 22, 5255-5259.	21.0	154
24	Iron oxide nanoclusters for T <sub>1</sub> magnetic resonance imaging of non-human primates. <i>Nature Biomedical Engineering</i> , 2017, 1, 637-643.	22.5	151
25	Crack Propagation in Bamboo's Hierarchical Cellular Structure. <i>Scientific Reports</i> , 2014, 4, 5598.	3.3	150
26	Flexible Fiber-Shaped Supercapacitor Based on Nickel-Cobalt Double Hydroxide and Pen Ink Electrodes on Metallized Carbon Fiber. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 5409-5418.	8.0	147
27	Hydrophilic Co@Au Yolk/Shell Nanospheres: Synthesis, Assembly, and Application to Gene Delivery. <i>Advanced Materials</i> , 2010, 22, 1407-1411.	21.0	141
28	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.	14.6	129
29	Nanocrystalline high-entropy alloy (CoCrFeNiAl <sub>0.3</sub> ) thin-film coating by magnetron sputtering. <i>Thin Solid Films</i> , 2017, 638, 383-388.	1.8	128
30	Self-assembled graphene@PANI nanoworm composites with enhanced supercapacitor performance. <i>RSC Advances</i> , 2013, 3, 5851.	3.6	127
31	Solution growth of NiO nanosheets supported on Ni foam as high-performance electrodes for supercapacitors. <i>Nanoscale Research Letters</i> , 2014, 9, 424.	5.7	117
32	Highly Stimuli-Responsive Au Nanorods/Poly( <i>N</i> -isopropylacrylamide) (PNIPAM) Composite Hydrogel for Smart Switch. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 24857-24863.	8.0	113
33	Fracture of Sub-20nm Ultrathin Gold Nanowires. <i>Advanced Functional Materials</i> , 2011, 21, 3982-3989.	14.9	111
34	Transforming ground mica into high-performance biomimetic polymeric mica film. <i>Nature Communications</i> , 2018, 9, 2974.	12.8	107
35	Ultrathin ZnS nanosheet/carbon nanotube hybrid electrode for high-performance flexible all-solid-state supercapacitor. <i>Nano Research</i> , 2017, 10, 2570-2583.	10.4	100
36	Hierarchical Core/Shell NiCo <sub>2</sub> O <sub>4</sub> @NiCo <sub>2</sub> O <sub>4</sub> Nanocactus Arrays with Dual-functionalities for High Performance Supercapacitors and Li-ion Batteries. <i>Scientific Reports</i> , 2015, 5, 12099.	3.3	98

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37	Ag Nanoparticles Cluster with pH-Triggered Reassembly in Targeting Antimicrobial Applications. <i>Advanced Functional Materials</i> , 2020, 30, 2000511.	14.9	98
38	Rare Earth Oxide Nanocrystals Induce Autophagy in HeLa Cells. <i>Small</i> , 2009, 5, 2784-2787.	10.0	96
39	Seed-assisted smart construction of high mass loading Ni-Co-Mn hydroxide nanoflakes for supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16776-16785.	10.3	93
40	Interface Toughness of Carbon Nanotube Reinforced Epoxy Composites. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 129-134.	8.0	91
41	Facile Synthesis of Graphene-Like Copper Oxide Nanofilms with Enhanced Electrochemical and Photocatalytic Properties in Energy and Environmental Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 9682-9690.	8.0	89
42	On-Nanowire Axial Heterojunction Design for High-Performance Photodetectors. <i>ACS Nano</i> , 2016, 10, 8474-8481.	14.6	88
43	C60(Nd) nanoparticles enhance chemotherapeutic susceptibility of cancer cells by modulation of autophagy. <i>Nanotechnology</i> , 2010, 21, 495101.	2.6	87
44	Hierarchical, porous CuS microspheres integrated with carbon nanotubes for high-performance supercapacitors. <i>Scientific Reports</i> , 2015, 5, 16584.	3.3	81
45	In Situ Formation of Copper-Based Hosts Embedded within 3D Doped Hierarchically Porous Carbon Networks for Ultralong Cycle Lithium-Sulfur Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1804520.	14.9	80
46	Surface dislocation nucleation mediated deformation and ultrahigh strength in sub-10-nm gold nanowires. <i>Nano Research</i> , 2011, 4, 1261-1267.	10.4	79
47	Synthesis of Superparamagnetic CaCO <sub>3</sub> Mesocrystals for Multistage Delivery in Cancer Therapy. <i>Small</i> , 2010, 6, 2436-2442.	10.0	75
48	MnO Nanocrystals: A Platform for Integration of MRI and Genuine Autophagy Induction for Chemotherapy. <i>Advanced Functional Materials</i> , 2013, 23, 1534-1546.	14.9	75
49	Graphene-Bridged Multifunctional Flexible Fiber Supercapacitor with High Energy Density. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 28597-28607.	8.0	73
50	Photothermal Poly(N-isopropylacrylamide)/Fe <sub>3</sub> O <sub>4</sub> Nanocomposite Hydrogel as a Movable Position Heating Source under Remote Control. <i>Small</i> , 2014, 10, 2796-2800.	10.0	70
51	Injectable ferrimagnetic silk fibroin hydrogel for magnetic hyperthermia ablation of deep tumor. <i>Biomaterials</i> , 2020, 259, 120299.	11.4	69
52	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.	3.1	67
53	Effect of Nitrogen Doping on the Mechanical Properties of Carbon Nanotubes. <i>ACS Nano</i> , 2010, 4, 7637-7643.	14.6	65
54	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	62

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55	Quantitative <i>in situ</i> TEM tensile testing of an individual nickel nanowire. <i>Nanotechnology</i> , 2011, 22, 355702.	2.6	61
56	Ferrimagnetic Nanochains-Based Mesenchymal Stem Cell Engineering for Highly Efficient Post-Stroke Recovery. <i>Advanced Functional Materials</i> , 2019, 29, 1900603.	14.9	59
57	Topology optimization-guided lattice composites and their mechanical characterizations. <i>Composites Part B: Engineering</i> , 2019, 160, 402-411.	12.0	59
58	Ferrimagnetic mPEG-b-PHEP copolymer micelles loaded with iron oxide nanocubes and emodin for enhanced magnetic hyperthermia chemotherapy. <i>National Science Review</i> , 2020, 7, 723-736.	9.5	59
59	NiCo <sub>2</sub> S <sub>4</sub> /carbon nanotube nanocomposites with a chain-like architecture for enhanced supercapacitor performance. <i>CrystEngComm</i> , 2016, 18, 7696-7706.	2.6	57
60	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.	13.7	57
61	High-Entropy Alloy (HEA)-Coated Nanolattice Structures and Their Mechanical Properties. <i>Advanced Engineering Materials</i> , 2018, 20, 1700625.	3.5	56
62	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.	9.0	56
63	Synthesis of Fe <sub>3</sub> O <sub>4</sub> @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, 1154-1160.	3.3	55
64	A shape-memory scaffold for macroscale assembly of functional nanoscale building blocks. <i>Materials Horizons</i> , 2014, 1, 69-73.	12.2	55
65	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.	12.2	55
66	Anti-biofouling double-layered unidirectional scaffold for long-term solar-driven water evaporation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 16696-16703.	10.3	55
67	Magnetic Alloy Nanorings Loaded with Gold Nanoparticles: Synthesis and Applications as Multimodal Imaging Contrast Agents. <i>Advanced Functional Materials</i> , 2010, 20, 3701-3706.	14.9	54
68	Ambient Aqueous Synthesis of Ultrasmall Ni <sub>0.85</sub> Se Nanoparticles for Noninvasive Photoacoustic Imaging and Combined Photothermal-Chemotherapy of Cancer. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 41782-41793.	8.0	54
69	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.	10.3	54
70	Hierarchical porous CuO nanostructures with tunable properties for high performance supercapacitors. <i>RSC Advances</i> , 2015, 5, 10773-10781.	3.6	53
71	Degradation-Restructuring Induced Anisotropic Epitaxial Growth for Fabrication of Asymmetric Diblock and Triblock Mesoporous Nanocomposites. <i>Advanced Materials</i> , 2017, 29, 1701652.	21.0	53
72	Fatigue characterization of structural bamboo materials under flexural bending. <i>International Journal of Fatigue</i> , 2017, 100, 126-135.	5.7	52

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73	Regioselective magnetization in semiconducting nanorods. <i>Nature Nanotechnology</i> , 2020, 15, 192-197.	31.5	51
74	In situ atomic-scale analysis of Rayleigh instability in ultrathin gold nanowires. <i>Nano Research</i> , 2018, 11, 625-632.	10.4	50
75	Fully Controllable Design and Fabrication of Three-Dimensional Lattice Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 39839-39850.	8.0	50
76	Enzyme-Responsive Ag Nanoparticle Assemblies in Targeting Antibacterial against Methicillin-Resistant <i>Staphylococcus Aureus</i> . <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 4333-4342.	8.0	50
77	Biogenic and biomimetic magnetic nanosized assemblies. <i>Nano Today</i> , 2012, 7, 297-315.	11.9	49
78	PEGylated Upconverting Luminescent Hollow Nanospheres for Drug Delivery and In Vivo Imaging. <i>Small</i> , 2013, 9, 3235-3241.	10.0	49
79	PEGylated rhenium nanoclusters: a degradable metal photothermal nanoagent for cancer therapy. <i>Chemical Science</i> , 2019, 10, 5435-5443.	7.4	49
80	NiO-bridged MnCo-hydroxides for flexible high-performance fiber-shaped energy storage device. <i>Applied Surface Science</i> , 2019, 475, 1058-1064.	6.1	48
81	Tuning Magnetic Property and Autophagic Response for Self-Assembled Ni-Co Alloy Nanocrystals. <i>Advanced Functional Materials</i> , 2013, 23, 5930-5940.	14.9	47
82	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.	1.6	47
83	Microstructure, Mechanical and Corrosion Behaviors of CoCrFeNiAl <sub>0.3</sub> High Entropy Alloy (HEA) Films. <i>Coatings</i> , 2017, 7, 156.	2.6	47
84	An atomistic study on the mechanical behavior of bamboo cell wall constituents. <i>Composites Part B: Engineering</i> , 2018, 151, 222-231.	12.0	47
85	Multilayer ceramic film capacitors for high-performance energy storage: progress and outlook. <i>Journal of Materials Chemistry A</i> , 2021, 9, 9462-9480.	10.3	46
86	Quantitative in-situ nanomechanical characterization of metallic nanowires. <i>Jom</i> , 2011, 63, 35-42.	1.9	45
87	Viscoelastic damping behavior of structural bamboo material and its microstructural origins. <i>Mechanics of Materials</i> , 2016, 97, 184-198.	3.2	45
88	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.	5.8	44
89	A Magneto-Heated Ferrimagnetic Sponge for Continuous Recovery of Viscous Crude Oil. <i>Advanced Materials</i> , 2021, 33, e2100074.	21.0	44
90	Biinspired greigite magnetic nanocrystals: chemical synthesis and biomedicine applications. <i>Scientific Reports</i> , 2013, 3, 2994.	3.3	42

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91	Synthesis of an Oxidation-Sensitive Polyphosphoester Bearing Thioether Group for Triggered Drug Release. <i>Biomacromolecules</i> , 2019, 20, 1740-1747.	5.4	42
92	Monodisperse Mesocrystals of $\text{YF}_3$ and $\text{Ce}^{3+}/\text{Ln}^{3+}$ ( $\text{Ln}=\text{Tb}, \text{Eu}$ ) Co-Activated $\text{YF}_3$ : Shape Control Synthesis, Luminescent Properties, and Biocompatibility. <i>Chemistry - A European Journal</i> , 2012, 18, 5222-5231.	3.3	41
93	Sequential Growth of $\text{NaYF}_4:\text{Yb/Er}$ @ $\text{NaGdF}_4$ Nanodumbbells for Dual-Modality Fluorescence and Magnetic Resonance Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 9226-9232.	8.0	41
94	Metal-coated hybrid meso-lattice composites and their mechanical characterizations. <i>Composite Structures</i> , 2018, 203, 750-763.	5.8	40
95	In situ nanomechanical characterization of multi-layer $\text{MoS}_2$ membranes: from intraplanar to interplanar fracture. <i>Nanoscale</i> , 2017, 9, 9119-9128.	5.6	39
96	Fluorine and Nitrogen Co-Doped Carbon Dot Complexation with Fe(III) as a $T_1$ Contrast Agent for Magnetic Resonance Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 18203-18212.	8.0	39
97	Synthesis of Multifunctional $\text{Ag@Au@Phenol}$ Formaldehyde Resin Particles Loaded with Folic Acids for Photothermal Therapy. <i>Chemistry - A European Journal</i> , 2012, 18, 9294-9299.	3.3	37
98	Hierarchical 3D $\text{Co}_3\text{O}_4@\text{MnO}_2$ core/shell nanoconch arrays on Ni foam for enhanced electrochemical performance. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 391-401.	2.5	37
99	High strength and high ductility copper obtained by topologically controlled planar heterogeneous structures. <i>Scripta Materialia</i> , 2016, 124, 103-107.	5.2	37
100	Rationally designed nickel oxide raven@iron cobalt-hydroxides with largely enhanced capacitive performance for asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16944-16952.	10.3	37
101	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.	10.7	37
102	Stable gadolinium based nanoscale lyophilized injection for enhanced MR angiography with efficient renal clearance. <i>Biomaterials</i> , 2018, 158, 74-85.	11.4	37
103	Magnetic hydroxyapatite nanoworms for magnetic resonance diagnosis of acute hepatic injury. <i>Nanoscale</i> , 2016, 8, 1684-1690.	5.6	36
104	Tungsten Nitride/Carbon Cloth as Bifunctional Electrode for Effective Polysulfide Recycling. <i>ACS Applied Energy Materials</i> , 2019, 2, 3314-3322.	5.1	35
105	Hollow medium-entropy alloy nanolattices with ultrahigh energy absorption and resilience. <i>NPG Asia Materials</i> , 2021, 13, .	7.9	34
106	Filtration Shell Mediated Power Density Independent Orthogonal Excitations- Emissions Upconversion Luminescence. <i>Angewandte Chemie</i> , 2016, 128, 2510-2515.	2.0	33
107	Magnetic liposomal emodin composite with enhanced killing efficiency against breast cancer. <i>Biomaterials Science</i> , 2019, 7, 867-875.	5.4	33
108	Ultrafast response of spray-on nanocomposite piezoresistive sensors to broadband ultrasound. <i>Carbon</i> , 2019, 143, 743-751.	10.3	33

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109	Cost-effective CuO nanotube electrodes for energy storage and non-enzymatic glucose detection. RSC Advances, 2014, 4, 46814-46822.	3.6	31
110	Synthesis of Mesoporous Calcium Phosphate Microspheres by Chemical Transformation Process: Their Stability and Encapsulation of Carboxymethyl Chitosan. Crystal Growth and Design, 2013, 13, 3201-3207.	3.0	30
111	Mechanical Enhancement of Core-Shell Microlattices through High-Entropy Alloy Coating. Scientific Reports, 2018, 8, 5442.	3.3	30
112	High Strength and Deformation Mechanisms of Al <sub>0.3</sub> CoCrFeNi High-Entropy Alloy Thin Films Fabricated by Magnetron Sputtering. Entropy, 2019, 21, 146.	2.2	30
113	Stereolithography (SLA) 3D printing of carbon fiber-graphene oxide (CF-GO) reinforced polymer lattices. Nanotechnology, 2021, 32, 235702.	2.6	30
114	Facile Surfactant-Free Synthesis of Water-Dispersible Willow-Leaf-Like Carbonate Apatite Nanorods in Ethanol/Water Mixed Solution and Their Cytotoxicity. Crystal Growth and Design, 2008, 8, 3822-3828.	3.0	29
115	Nacre-mimic Reinforced Ag@reduced Graphene Oxide-Sodium Alginate Composite Film for Wound Healing. Scientific Reports, 2017, 7, 13851.	3.3	29
116	Strong and stiff Ag nanowire-chitosan composite films reinforced by Ag-S covalent bonds. Nano Research, 2018, 11, 410-419.	10.4	29
117	Nanomechanics of low-dimensional materials for functional applications. Nanoscale Horizons, 2019, 4, 781-788.	8.0	29
118	Programmable mechanical metamaterials based on hierarchical rotating structures. International Journal of Solids and Structures, 2021, 216, 145-155.	2.7	29
119	<i>In situ</i> Thermal-Responsive Magnetic Hydrogel for Multidisciplinary Therapy of Hepatocellular Carcinoma. Nano Letters, 2022, 22, 2251-2260.	9.1	29
120	Copper sulfide nanoneedles on CNT backbone composite electrodes for high-performance supercapacitors and Li-S batteries. Journal of Solid State Electrochemistry, 2017, 21, 349-359.	2.5	28
121	Mechanically stable ternary heterogeneous electrodes for energy storage and conversion. Nanoscale, 2018, 10, 2613-2622.	5.6	28
122	Rational Design of 3D Honeycomb-Like SnS <sub>2</sub> Quantum Dots/rGO Composites as High-Performance Anode Materials for Lithium/Sodium-Ion Batteries. Nanoscale Research Letters, 2018, 13, 389.	5.7	28
123	Cellular Carbon-Film-Based Flexible Sensor and Waterproof Supercapacitors. ACS Applied Materials & Interfaces, 2019, 11, 26288-26297.	8.0	28
124	MnFe <sub>2</sub> O <sub>4</sub> nanoparticles accelerate the clearance of mutant huntingtin selectively through ubiquitin-proteasome system. Biomaterials, 2019, 216, 119248.	11.4	28
125	Catalytic Asymmetric Inverse-Electron-Demand Diels-Alder Reactions of 2-Pyrones with Indenes: Total Syntheses of Cephanolides A and B. Angewandte Chemie - International Edition, 2021, 60, 26610-26615.	13.8	27
126	Sequential growth of CaF <sub>2</sub> :Yb,Er@CaF <sub>2</sub> :Gd nanoparticles for efficient magnetic resonance angiography and tumor diagnosis. Biomaterials Science, 2017, 5, 2403-2415.	5.4	26



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127	Self-assembly of hierarchical 3D starfish-like Co <sub>3</sub> O <sub>4</sub> nanowire bundles on nickel foam for high-performance supercapacitor. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	1.9	25
128	Direct quantification of mechanical responses of TiSiN/Ag multilayer coatings through uniaxial compression of micropillars. <i>Vacuum</i> , 2018, 156, 310-316.	3.5	25
129	Magnetically Actuated Active Deep Tumor Penetration of Deformable Large Nanocarriers for Enhanced Cancer Therapy. <i>Advanced Functional Materials</i> , 2021, 31, 2103655.	14.9	25
130	A conductive framework embedded with cobalt-doped vanadium nitride as an efficient polysulfide adsorber and convertor for advanced lithium-sulfur batteries. <i>Nanoscale Horizons</i> , 2022, 7, 543-553.	8.0	25
131	Growth and electrochemical performance of porous NiMn <sub>2</sub> O <sub>4</sub> nanosheets with high specific surface areas. <i>Journal of Solid State Electrochemistry</i> , 2015, 19, 3169-3175.	2.5	23
132	Recent Advances on In Situ SEM Mechanical and Electrical Characterization of Low-Dimensional Nanomaterials. <i>Scanning</i> , 2017, 2017, 1-11.	1.5	23
133	Large Elastic Deformation and Defect Tolerance of Hexagonal Boron Nitride Monolayers. <i>Cell Reports Physical Science</i> , 2020, 1, 100172.	5.6	23
134	Electrospun porous MnMoO <sub>4</sub> nanotubes as high-performance electrodes for asymmetric supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 657-666.	2.5	22
135	Armoring SiO <sub>x</sub> with a conformal LiF layer to boost lithium storage. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7807-7816.	10.3	22
136	High electrical conductivity of graphene-based transparent conductive films with silver nanocomposites. <i>RSC Advances</i> , 2015, 5, 108044-108049.	3.6	20
137	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.	10.4	20
138	Experimental nanomechanics of 2D materials for strain engineering. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 1075-1091.	3.1	20
139	The Drosophila Transcription Factor Ultrabithorax Self-Assembles into Protein-Based Biomaterials with Multiple Morphologies. <i>Biomacromolecules</i> , 2009, 10, 829-837.	5.4	19
140	Mechanically Assisted Self-Healing of Ultrathin Gold Nanowires. <i>Small</i> , 2018, 14, 1704085.	10.0	19
141	Rational design of double-confined Mn <sub>2</sub> O <sub>3</sub> /S@Al <sub>2</sub> O <sub>3</sub> nanocube cathodes for lithium-sulfur batteries. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 849-858.	2.5	19
142	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.	13.8	19
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