

# Wei Wu

## List of Publications by Citations

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151  
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9,220  
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46  
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93  
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155  
ext. papers

10,668  
ext. citations

6.5  
avg, IF

6.96  
L-index

#	Paper	IF	Citations
151	Magnetic iron oxide nanoparticles: synthesis and surface functionalization strategies. <i>Nanoscale Research Letters</i> , <b>2008</b> , 3, 397-415	5	1530
150	Recent progress on magnetic iron oxide nanoparticles: synthesis, surface functional strategies and biomedical applications. <i>Science and Technology of Advanced Materials</i> , <b>2015</b> , 16, 023501	7.1	905
149	Recent progress in magnetic iron oxide-semiconductor composite nanomaterials as promising photocatalysts. <i>Nanoscale</i> , <b>2015</b> , 7, 38-58	7.7	386
148	Inorganic nanomaterials for printed electronics: a review. <i>Nanoscale</i> , <b>2017</b> , 9, 7342-7372	7.7	324
147	Shape control of inorganic nanoparticles from solution. <i>Nanoscale</i> , <b>2016</b> , 8, 1237-59	7.7	293
146	High Mobility MoS Transistor with Low Schottky Barrier Contact by Using Atomic Thick h-BN as a Tunneling Layer. <i>Advanced Materials</i> , <b>2016</b> , 28, 8302-8308	24	282
145	Designed synthesis and surface engineering strategies of magnetic iron oxide nanoparticles for biomedical applications. <i>Nanoscale</i> , <b>2016</b> , 8, 19421-19474	7.7	223
144	Controllable synthesis, magnetic properties, and enhanced photocatalytic activity of spindlelike mesoporous $\gamma\text{-Fe}_2\text{O}_3/\text{ZnO}$ core-shell heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 3602-9	9.5	155
143	3D Flowerlike $\gamma\text{-Fe}_2\text{O}_3/\text{TiO}_2$ Core-Shell Nanostructures: General Synthesis and Enhanced Photocatalytic Performance. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2015</b> , 3, 2975-2984	8.3	154
142	Plasmon-driven reaction controlled by the number of graphene layers and localized surface plasmon distribution during optical excitation. <i>Light: Science and Applications</i> , <b>2015</b> , 4, e342-e342	16.7	154
141	Stretchable electronics: functional materials, fabrication strategies and applications. <i>Science and Technology of Advanced Materials</i> , <b>2019</b> , 20, 187-224	7.1	146
140	A one-pot route to the synthesis of alloyed Cu/Ag bimetallic nanoparticles with different mass ratios for catalytic reduction of 4-nitrophenol. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 3450-3455	13	128
139	Sonochemical synthesis, structure and magnetic properties of air-stable $\text{Fe}_3\text{O}_4/\text{Au}$ nanoparticles. <i>Nanotechnology</i> , <b>2007</b> , 18, 145609	3.4	120
138	Large-Scale and Controlled Synthesis of Iron Oxide Magnetic Short Nanotubes: Shape Evolution, Growth Mechanism, and Magnetic Properties. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 16092-16103	3.8	113
137	Recent progress in printed flexible solid-state supercapacitors for portable and wearable energy storage. <i>Journal of Power Sources</i> , <b>2019</b> , 410-411, 69-77	8.9	104
136	Ultrasensitive SERS performance in 3D "sunflower-like" nanoarrays decorated with Ag nanoparticles. <i>Nanoscale</i> , <b>2017</b> , 9, 3114-3120	7.7	100
135	Synthesis and Magnetic Properties of Maghemite ( $\gamma\text{-Fe}_2\text{O}_3$ ) Short-Nanotubes. <i>Nanoscale Research Letters</i> , <b>2010</b> , 5, 1474-1479	5	100

134	Toward fiber-, paper-, and foam-based flexible solid-state supercapacitors: electrode materials and device designs. <i>Nanoscale</i> , <b>2019</b> , 11, 7041-7061	7.7	99
133	Large-scale synthesis and screen printing of upconversion hexagonal-phase NaYF <sub>4</sub> :Yb <sup>3+</sup> ,Tm <sup>3+</sup> /Er <sup>3+</sup> /Eu <sup>3+</sup> plates for security applications. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 6327-6335	7.1	95
132	Facile synthesis and screen printing of dual-mode luminescent NaYF <sub>4</sub> :Er,Yb (Tm)/carbon dots for anti-counterfeiting applications. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 6512-6520	7.1	93
131	Tunable Emissions of Upconversion Fluorescence for Security Applications. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801171	8.1	91
130	Low-Cost, Disposable, Flexible and Highly Reproducible Screen Printed SERS Substrates for the Detection of Various Chemicals. <i>Scientific Reports</i> , <b>2015</b> , 5, 10208	4.9	89
129	Controlled synthesis of magnetic iron oxides@SnO <sub>2</sub> quasi-hollow core-shell heterostructures: formation mechanism, and enhanced photocatalytic activity. <i>Nanoscale</i> , <b>2011</b> , 3, 4676-84	7.7	84
128	Single-crystalline Fe <sub>2</sub> O <sub>3</sub> nanostructures: controlled synthesis and high-index plane-enhanced photodegradation by visible light. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 6888	13	82
127	Facile method to synthesize magnetic iron oxides/TiO <sub>2</sub> hybrid nanoparticles and their photodegradation application of methylene blue. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 533	5	82
126	Ultrasensitive SERS Substrate Integrated with Uniform Subnanometer Scale Hot Spots Created by a Graphene Spacer for the Detection of Mercury Ions. <i>Small</i> , <b>2017</b> , 13, 1603347	11	79
125	Tube-like ternary Fe <sub>2</sub> O <sub>3</sub> @SnO <sub>2</sub> @Cu <sub>2</sub> O sandwich heterostructures: synthesis and enhanced photocatalytic properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 13088-97	9.5	70
124	NIR light-activated upconversion semiconductor photocatalysts. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 10-25	10.8	69
123	Preparation and RGB upconversion optic properties of transparent anti-counterfeiting films. <i>Nanoscale</i> , <b>2017</b> , 9, 15982-15989	7.7	65
122	SiO <sub>2</sub> /Ag/SiO <sub>2</sub> /TiO <sub>2</sub> multi-shell structures: plasmon enhanced photocatalysts with wide-spectral-response. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 13128	13	64
121	All-printed, low-cost, tunable sensing range strain sensors based on Ag nanodendrite conductive inks for wearable electronics. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 809-818	7.1	61
120	Template and silica interlayer tailorable synthesis of spindle-like multilayer Fe <sub>2</sub> O <sub>3</sub> /Ag/SnO <sub>2</sub> ternary hybrid architectures and their enhanced photocatalytic activity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 1113-24	9.5	60
119	Dimensional heterostructures of 1D CdS/2D ZnInS composited with 2D graphene: designed synthesis and superior photocatalytic performance. <i>Dalton Transactions</i> , <b>2017</b> , 46, 2770-2777	4.3	59
118	Efficient UV/Vis-NIR Responsive Upconversion and Plasmonic-Enhanced Photocatalyst Based on Lanthanide-Doped NaYF <sub>4</sub> /SnO <sub>2</sub> /Ag. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 10889-10899	8.3	59
117	Efficient Visible Light Formaldehyde Oxidation with 2D p-n Heterostructure of BiOBr/BiPO <sub>4</sub> Nanosheets at Room Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 5008-5017	8.3	58

116	Controlled synthesis of monodisperse sub-100 nm hollow SnO <sub>2</sub> nanospheres: a template- and surfactant-free solution-phase route, the growth mechanism, optical properties, and application as a photocatalyst. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 9708-19	4.8	57
115	Recent progress on photocatalytic heterostructures with full solar spectral responses. <i>Chemical Engineering Journal</i> , <b>2020</b> , 393, 124719	14.7	56
114	All-Printed MnHCF-MnO <sub>x</sub> -Based High-Performance Flexible Supercapacitors. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000022	21.8	56
113	Full-spectrum-activated Z-scheme photocatalysts based on NaYF <sub>4</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> , TiO <sub>2</sub> and Ag <sub>6</sub> Si <sub>2</sub> O <sub>7</sub> . <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 23566-23576	13	55
112	Surface plasmon-enhanced light emission using silver nanoparticles embedded in ZnO. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 071909	3.4	55
111	Facile synthesis of amorphous FeOOH/MnO <sub>2</sub> composites as screen-printed electrode materials for all-printed solid-state flexible supercapacitors. <i>Journal of Power Sources</i> , <b>2017</b> , 361, 31-38	8.9	53
110	Controllable synthesis of recyclable core-shell Fe <sub>2</sub> O <sub>3</sub> @SnO <sub>2</sub> hollow nanoparticles with enhanced photocatalytic and gas sensing properties. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 8228-36	3.6	52
109	Preparation and characterization of spindle-like Fe <sub>3</sub> O <sub>4</sub> mesoporous nanoparticles. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 89	5	52
108	All-printed ultraflexible and stretchable asymmetric in-plane solid-state supercapacitors (ASCs) for wearable electronics. <i>Journal of Power Sources</i> , <b>2018</b> , 397, 59-67	8.9	52
107	Wetting properties and SERS applications of ZnO/Ag nanowire arrays patterned by a screen printing method. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 6371-6379	7.1	48
106	Shape-controlled iron oxide nanocrystals: synthesis, magnetic properties and energy conversion applications. <i>CrystEngComm</i> , <b>2016</b> , 18, 6303-6326	3.3	47
105	All-Printed Solid-State Microsupercapacitors Derived from Self-Template Synthesis of Ag@PPy Nanocomposites. <i>Advanced Materials Technologies</i> , <b>2018</b> , 3, 1700206	6.8	46
104	Preparation of M@BiFeO <sub>3</sub> Nanocomposites (M=Ag, Au) Bowl Arrays with Enhanced Visible Light Photocatalytic Activity. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 2255-2263	3.8	46
103	Non-centrosymmetric Au-SnO <sub>2</sub> hybrid nanostructures with strong localization of plasmonic for enhanced photocatalysis application. <i>Nanoscale</i> , <b>2013</b> , 5, 5628-36	7.7	46
102	One-Step-Printed, Highly Sensitive, Textile-Based, Tunable Performance Strain Sensors for Human Motion Detection. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 1900925	6.8	44
101	Designing Multicolor Dual-Mode Lanthanide-Doped NaLuF <sub>4</sub> /Y <sub>2</sub> O <sub>3</sub> Composites for Advanced Anticounterfeiting. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1901209	8.1	44
100	Zinc Oxide Coating Effect for the Dye Removal and Photocatalytic Mechanisms of Flower-Like MoS <sub>2</sub> Nanoparticles. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 221	5	43
99	In situ Oxidation and Self-Assembly Synthesis of Dumbbell-like Fe <sub>2</sub> O <sub>3</sub> /Ag/AgX (X = Cl, Br, I) Heterostructures with Enhanced Photocatalytic Properties. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 1521-1530	8.3	41

98	Facile Synthesis of Silver Nanowires with Different Aspect Ratios and Used as High-Performance Flexible Transparent Electrodes. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 480	5	41
97	CdSe/ZnS core-shell quantum dots charge trapping layer for flexible photonic memory. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 3173-3180	7.1	40
96	Enhanced photocatalysis by coupling of anatase TiO <sub>2</sub> film to triangular Ag nanoparticle island. <i>Nanoscale Research Letters</i> , <b>2012</b> , 7, 239	5	40
95	Size effects of Ag nanoparticles on plasmon-induced enhancement of photocatalysis of Ag-Fe <sub>3</sub> O <sub>4</sub> nanocomposites. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 427, 29-34	9.3	38
94	Printable Monodisperse All-Inorganic Perovskite Quantum Dots: Synthesis and Banknotes Protection Applications. <i>Advanced Materials Technologies</i> , <b>2018</b> , 3, 1800150	6.8	37
93	One-Pot Reaction and Subsequent Annealing to Synthesis Hollow Spherical Magnetite and Maghemite Nanocages. <i>Nanoscale Research Letters</i> , <b>2009</b> , 4, 926-931	5	37
92	Application of temperature cycling for crystal quality control during crystallization. <i>CrystEngComm</i> , <b>2016</b> , 18, 2222-2238	3.3	36
91	Significant Radiation Tolerance and Moderate Reduction in Thermal Transport of a Tungsten Nanofilm by Inserting Monolayer Graphene. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604623	24	36
90	Large-area, well-ordered, uniform-sized bowtie nanoantenna arrays for surface enhanced Raman scattering substrate with ultra-sensitive detection. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 041903	3.4	35
89	Screen-Printed, Low-Cost, and Patterned Flexible Heater Based on Ag Fractal Dendrites for Human Wearable Application. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1800453	6.8	35
88	Efficient enhancement of hydrogen production by Ag/Cu <sub>2</sub> O/ZnO tandem triple-junction photoelectrochemical cell. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 123901	3.4	33
87	Highly conductive, flexible and stretchable conductors based on fractal silver nanostructures. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 3999-4006	7.1	33
86	Multifunctional Ultrastretchable Printed Soft Electronic Devices for Wearable Applications. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 1900922	6.4	33
85	All-printed solid-state supercapacitors with versatile shapes and superior flexibility for wearable energy storage. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 15960-15968	13	32
84	Efficiency enhancements in Ag nanoparticles-SiO <sub>2</sub> -TiO <sub>2</sub> sandwiched structure via plasmonic effect-enhanced light capturing. <i>Nanoscale Research Letters</i> , <b>2013</b> , 8, 73	5	32
83	Dual upconversion nanophotoswitch for security encoding. <i>Science China Materials</i> , <b>2019</b> , 62, 368-378	7.1	32
82	Anchoring of Ag <sub>6</sub> Si <sub>2</sub> O <sub>7</sub> nanoparticles on Fe <sub>2</sub> O <sub>3</sub> short nanotubes as a Z-scheme photocatalyst for improving their photocatalytic performances. <i>Dalton Transactions</i> , <b>2016</b> , 45, 12745-55	4.3	31
81	Amorphous carbon framework stabilized SnO <sub>2</sub> porous nanowires as high performance Li-ion battery anode materials. <i>RSC Advances</i> , <b>2015</b> , 5, 49926-49932	3.7	31

80	Improved Thermal Stability of Graphene-Veiled Noble Metal Nanoarrays as Recyclable SERS Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 40726-40733	9.5	28
79	Obviously Angular, Cuboid-Shaped TiO <sub>2</sub> Nanowire Arrays Decorated with Ag Nanoparticle as Ultrasensitive 3D Surface-Enhanced Raman Scattering Substrates. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 22711-22718	3.8	28
78	Preparing of Highly Conductive Patterns on Flexible Substrates by Screen Printing of Silver Nanoparticles with Different Size Distribution. <i>Nanoscale Research Letters</i> , <b>2016</b> , 11, 412	5	28
77	Polymer-supported bimetallic Ag@AgAu nanocomposites: synthesis and catalytic properties. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 1781-8	4.5	27
76	Sculpting Extreme Electromagnetic Field Enhancement in Free Space for Molecule Sensing. <i>Small</i> , <b>2018</b> , 14, e1801146	11	26
75	Structure-designed fabrication of all-printed flexible in-plane solid-state supercapacitors for wearable electronics. <i>Journal of Power Sources</i> , <b>2019</b> , 425, 195-203	8.9	25
74	Metal ion-mediated synthesis and shape-dependent magnetic properties of single-crystalline Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <i>CrystEngComm</i> , <b>2014</b> , 16, 5566-5572	3.3	25
73	Self-assemble SnO <sub>2</sub> @TiO <sub>2</sub> porous nanowire/nanosheet heterostructures for enhanced photocatalytic property. <i>CrystEngComm</i> , <b>2014</b> , 16, 10863-10869	3.3	25
72	Fabrication, characterization and screen printing of conductive ink based on carbon@Ag core-shell nanoparticles. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 427, 15-9	9.3	24
71	Electrode materials and device architecture strategies for flexible supercapacitors in wearable energy storage. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 8099-8128	13	24
70	Recent advances in printed flexible heaters for portable and wearable thermal management. <i>Materials Horizons</i> , <b>2021</b> , 8, 1634-1656	14.4	24
69	The ion implantation-induced properties of one-dimensional nanomaterials. <i>Nanoscale Research Letters</i> , <b>2013</b> , 8, 175	5	22
68	Anion-mediated synthesis of monodisperse silver nanoparticles useful for screen printing of high-conductivity patterns on flexible substrates for printed electronics. <i>RSC Advances</i> , <b>2015</b> , 5, 9783-9791	3.7	22
67	Printed flexible supercapacitor: Ink formulation, printable electrode materials and applications. <i>Applied Physics Reviews</i> , <b>2021</b> , 8, 021319	17.3	22
66	Ni(OH) <sub>2</sub> /NiMoO <sub>4</sub> nanoplates for large-scale fully-printed flexible solid-state supercapacitors. <i>Journal of Power Sources</i> , <b>2019</b> , 433, 126676	8.9	21
65	Monolayer graphene on nanostructured Ag for enhancement of surface-enhanced Raman scattering stable platform. <i>Nanotechnology</i> , <b>2015</b> , 26, 125603	3.4	21
64	Protonated Branched Polyethyleneimine Induces the Shape Evolution of BiOCl and Exposed {010} Facet of BiOCl Nanosheets. <i>Crystal Growth and Design</i> , <b>2018</b> , 18, 5479-5491	3.5	21
63	Tunable and ultra-stable UV light-switchable fluorescent composites for information hiding and storage. <i>Dalton Transactions</i> , <b>2018</b> , 47, 11264-11271	4.3	21

62	Rings of saturn-like nanoarrays with high number density of hot spots for surface-enhanced Raman scattering. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 033515	3.4	20
61	Micro/nanosized Nontraditional Evaporated Structures Based on Closely Packed Monolayer Binary Colloidal Crystals and Their Fine Structure Enhanced Properties. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 20521-20528	3.8	20
60	A Comparative Study of the Magnetic Behavior of Single and Tubular Clustered Magnetite Nanoparticles. <i>Journal of Low Temperature Physics</i> , <b>2012</b> , 168, 306-313	1.3	20
59	Sub-100nm hollow SnO <sub>2</sub> @C nanoparticles as anode material for lithium ion batteries and significantly enhanced cycle performances. <i>Chinese Chemical Letters</i> , <b>2015</b> , 26, 1293-1297	8.1	19
58	Modulating the threshold voltage of oxide nanowire field-effect transistors by a Ga <sup>+</sup> ion beam. <i>Nano Research</i> , <b>2014</b> , 7, 1691-1698	10	19
57	Characterization of DC reactive magnetron sputtered NiO films using spectroscopic ellipsometry. <i>Applied Surface Science</i> , <b>2011</b> , 257, 5908-5912	6.7	19
56	Irradiation-induced TiO <sub>2</sub> nanorods for photoelectrochemical hydrogen production. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 5034-5041	6.7	18
55	Carbon and silica interlayer influence for the photocatalytic performances of spindle-like Fe <sub>2</sub> O <sub>3</sub> /Bi <sub>2</sub> O <sub>3</sub> p-n heterostructures. <i>Materials Science in Semiconductor Processing</i> , <b>2016</b> , 41, 411-419	4.3	18
54	Catalytic Application and Mechanism Studies of Argentite Chloride Coupled Ag/Au Hollow Heterostructures: Considering the Interface Between Ag/Au Bimetals. <i>Nanoscale Research Letters</i> , <b>2019</b> , 14, 35	5	18
53	Enhanced and polarization dependence of surface-enhanced Raman scattering in silver nanoparticle array-nanowire systems. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 163108	3.4	18
52	Design of Enhanced Catalysts by Coupling of Noble Metals (Au,Ag) with Semiconductor SnO <sub>2</sub> for Catalytic Reduction of 4-Nitrophenol. <i>Particle and Particle Systems Characterization</i> , <b>2016</b> , 33, 212-220	3.1	18
51	Synthesis and optical properties of gold nanorods with controllable morphology. <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 434002	1.8	18
50	Printing the Ultra-Long Ag Nanowires Inks onto the Flexible Textile Substrate for Stretchable Electronics. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	17
49	Tube-like Fe <sub>2</sub> O <sub>3</sub> @Ag/AgCl heterostructure: controllable synthesis and enhanced plasmonic photocatalytic activity. <i>RSC Advances</i> , <b>2015</b> , 5, 61239-61248	3.7	17
48	Efficient enhancement of solar-water-splitting by modified Z-scheme structural WO <sub>3</sub> -W-Si photoelectrodes. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 143902	3.4	17
47	Significantly enhanced dye removal performance of hollow tin oxide nanoparticles via carbon coating in dark environment and study of its mechanism. <i>Nanoscale Research Letters</i> , <b>2014</b> , 9, 442	5	17
46	Tetragonal hematite single crystals as anode materials for high performance lithium ion batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 286, 124-129	8.9	16
45	Growth and great UV emission improvement of highly crystalline quality core-shell ZnO/MgO nanowires. <i>Materials Letters</i> , <b>2012</b> , 84, 147-150	3.3	16

44	Modified in situ and self-catalytic growth method for fabrication of Ag-coated nanocomposites with tailorable optical properties. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	16
43	Directly printing of upconversion fluorescence-responsive elastomers for self-healable optical application. <i>Chemical Engineering Journal</i> , <b>2020</b> , 384, 123375	14.7	16
42	Novel Interface in CuAg Nanostructure Induced by Size Effect. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 1973-1980	6.4	15
41	Printable, Down/Up-Conversion Triple-Mode Fluorescence Responsive and Colorless Self-Healing Elastomers with Superior Toughness. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100211	15.6	15
40	Printed Flexible Heaters-Based Thermotherapy Platform for Multiduty Thermal Management. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 2000278	6.8	14
39	Formation of Carbonized Polystyrene Sphere/hemisphere Shell Arrays by Ion Beam Irradiation and Subsequent Annealing or Chloroform Treatment. <i>Scientific Reports</i> , <b>2015</b> , 5, 17529	4.9	14
38	Facile Fabrication of Ultrafine Hollow Silica and Magnetic Hollow Silica Nanoparticles by a Dual-Templating Approach. <i>Nanoscale Research Letters</i> , <b>2009</b> , 5, 116-123	5	14
37	Recent achievements in self-healing materials based on ionic liquids: a review. <i>Journal of Materials Science</i> , <b>2020</b> , 55, 13543-13558	4.3	13
36	Screen-Printed Flexible Strain Sensors with Ag Nanowires for Intelligent and Tamper-Evident Packaging Applications. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 1901097	6.8	13
35	Side-to-side alignment of gold nanorods with polarization-free characteristic for highly reproducible surface enhanced Raman scattering. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 211902	3.4	13
34	Controllable synthesis and optical properties of connected zinc oxide nanoparticles. <i>Chemistry - an Asian Journal</i> , <b>2010</b> , 5, 315-21	4.5	13
33	Radiopaque Fully Degradable Nanocomposites for Coronary Stents. <i>Scientific Reports</i> , <b>2018</b> , 8, 17409	4.9	12
32	Fabrication and properties of TiO <sub>2</sub> nanofilms on different substrates by a novel and universal method of Ti-ion implantation and subsequent annealing. <i>Nanotechnology</i> , <b>2013</b> , 24, 255603	3.4	11
31	Combinations of Superior Inorganic Phosphors for Level-Tunable Information Hiding and Encoding. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100281	8.1	11
30	Large-area, kirigami topology structure-induced highly stretchable and flexible interconnects: Directly printing preparation and mechanic mechanism. <i>Science China Materials</i> , <b>2019</b> , 62, 1412-1422	7.1	10
29	Holographic polymer nanocomposites with simultaneously boosted diffraction efficiency and upconversion photoluminescence. <i>Composites Science and Technology</i> , <b>2019</b> , 181, 107705	8.6	10
28	Formation of TiO <sub>2</sub> nanorods by ion irradiation. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 184306	2.5	10
27	Recent progress in the fabrication of SERS substrates based on the arrays of polystyrene nanospheres. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2016</b> , 59, 1	3.6	9



26	Fully Printed Stretchable and Multifunctional E-Textiles for Aesthetic Wearable Electronic Systems.. <i>Small</i> , <b>2022</b> , e2107298	11	9
25	Controlled preparation of hollow SnO <sub>2</sub> @M (M = Au, Ag) heterostructures through template-assist method for enhanced photocatalysis. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2015</b> , 482, 276-282	5.1	8
24	Double 3-fold-symmetry novel ZnO hierarchical nanostructure arrays: Synthesis, characterization, and photoluminescence properties. <i>Materials Letters</i> , <b>2012</b> , 86, 182-185	3.3	8
23	Size control and magnetic properties of single layer monodisperse Ni nanoparticles prepared by magnetron sputtering. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 508-513	4.3	7
22	Spindle-like alpha-Fe <sub>2</sub> O <sub>3</sub> embedded with TiO <sub>2</sub> nanocrystalline: ion implantation preparation and enhanced magnetic properties. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 5428-33	1.3	7
21	Efficient solid-state and dual-mode photoluminescence of carbon-dots/NaLuF <sub>4</sub> microcrystals for multifunctional applications. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 775, 457-465	5.7	7
20	Energy dependence on formation of TiO <sub>2</sub> nanofilms by Ti ion implantation and annealing. <i>Materials Research Bulletin</i> , <b>2014</b> , 51, 376-380	5.1	6
19	Synthesis of graphene by MEVVA source ion implantation. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2013</b> , 305, 29-32	1.2	6
18	Synthesis and photocatalytic application of trinary structural g-C <sub>3</sub> N <sub>4</sub> /Ag/Ag <sub>3</sub> PO <sub>4</sub> composite nanomaterials. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 5777-5785	6.8	6
17	Synergistic effect of V/N codoping by ion implantation on the electronic and optical properties of TiO <sub>2</sub> . <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 143106	2.5	6
16	Novel doping for synthesis monodispersed TiO <sub>2</sub> grains filled into spindle-like hematite bi-component nanoparticles by ion implantation. <i>AIP Advances</i> , <b>2012</b> , 2, 032179	1.5	6
15	Enhanced pseudocapacitive performance of CoSnO <sub>3</sub> through Mn <sup>2+</sup> doping by ion-exchange method for all-printed supercapacitors. <i>Electrochimica Acta</i> , <b>2020</b> , 331, 135298	6.7	6
14	Blue-to-green manipulation of carbon dots from fluorescence to ultralong room-temperature phosphorescence for high-level anti-counterfeiting. <i>Chinese Chemical Letters</i> , <b>2021</b> , 32, 3907-3907	8.1	6
13	A Novel Way to Fabricate Superhydrophilic and Antibacterial TiO <sub>2</sub> Nanofilms on Glass by Ion Implantation and Subsequent Annealing. <i>Japanese Journal of Applied Physics</i> , <b>2013</b> , 52, 100207	1.4	4
12	Antibacterial silver-containing silica glass prepared by ion implantation. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 6424-7	1.3	4
11	Controllable Synthesis of TiO <sub>2</sub> Submicrospheres with Smooth or Rough Surface. <i>Chemistry Letters</i> , <b>2010</b> , 39, 684-685	1.7	4
10	Fabrication of highly homogeneous surface-enhanced Raman scattering substrates using Ag ion implantation. <i>Journal of Physics Condensed Matter</i> , <b>2016</b> , 28, 254003	1.8	4
9	Controllable synthesis of Au@SnO <sub>2</sub> core-shell nanohybrids with enhanced photocatalytic activities. <i>Materials Research Express</i> , <b>2017</b> , 4, 055502	1.7	3

8	Benzocyclobutene (BCB) Polymer as Amphibious Buffer Layer for Graphene Field-Effect Transistor. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2015</b> , 15, 5706-10	1.3	3
7	Fabrication and characterization of Ag-implantation modified TiO <sub>2</sub> films followed with thermal annealing. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2013</b> , 307, 373-376	1.2	3
6	Fabrication of TiO <sub>2</sub> -based composite films by sequential ion implantation and subsequent annealing. <i>Materials Research Express</i> , <b>2014</b> , 1, 025703	1.7	2
5	Cobalt Hydroxide Nanosheets Grown on Carbon Nanotubes Anchored in Wood Carbon Scaffolding for High-Performance Hybrid Supercapacitors. <i>Energy &amp; Fuels</i> ,	4.1	2
4	In situ observation of the solid solution-induced sublimation of CuAg Janus nanoparticles. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 877, 160168	5.7	2
3	Fabrication of TiO <sub>2</sub> Nanofilm Photoelectrodes on Ti Foil by Ti Ion Implantation and Subsequent Annealing. <i>Advances in Condensed Matter Physics</i> , <b>2014</b> , 2014, 1-7	1	1
2	Plasmonic dye-sensitized solar cells through collapsible gold nanofingers. <i>Nanotechnology</i> , <b>2021</b> , 32,	3.4	1
1	Synthesis of 2D TiCT MXene and MXene-based composites for flexible strain and pressure sensors. <i>Nanoscale Horizons</i> , <b>2021</b> , 6, 893-906	10.8	1