List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Peptide-based nanomaterials: Self-assembly, properties and applications. Bioactive Materials, 2022, 11, 268-282.	8.6	132
2	Hydrogels with highly concentrated salt solution as electrolytes for solid-state supercapacitors with a suppressed self-discharge rate. Journal of Materials Chemistry A, 2022, 10, 2966-2972.	5.2	14
3	Fluorinated Etherâ€Based Electrolyte for Supercapacitors with Increased Working Voltage and Suppressed Selfâ€discharge. ChemElectroChem, 2022, 9, .	1.7	4
4	Polydopamine-coated graphene for supercapacitors with improved electrochemical performances and reduced self-discharge. Electrochimica Acta, 2022, 426, 140776.	2.6	13
5	Reduced Self-Discharge of Supercapacitors Using Piezoelectric Separators. ACS Applied Energy Materials, 2021, 4, 8070-8075.	2.5	27
6	Self-discharge of supercapacitors based on carbon nanosheets with different pore structures. Electrochimica Acta, 2021, 390, 138783.	2.6	9
7	Reducing the Self-Discharge Rate of Supercapacitors by Suppressing Electron Transfer in the Electric Double Layer. Journal of the Electrochemical Society, 2021, 168, 120548.	1.3	10
8	Ultrafast lithium-ion capacitors for efficient storage of energy generated by triboelectric nanogenerators. Energy Storage Materials, 2020, 24, 297-303.	9.5	29
9	Li 4 Ti 5 O 12 â^'TiO 2 Composite Coated on Carbon Foam as Anode Material for Lithium Ion Capacitors: Evaluation of Rate Performance and Selfâ€Discharge. ChemNanoMat, 2020, 6, 280-284.	1.5	4
10	Self-discharge of supercapacitors based on carbon nanotubes with different diameters. Electrochimica Acta, 2020, 357, 136855.	2.6	45
11	Triboelectric Power Generation from Heterostructured Air‣aid Paper for Breathable and Wearable Selfâ€Charging Power System. Advanced Materials Technologies, 2019, 4, 1900745.	3.0	15
12	Triboelectric nanogenerators with simultaneous outputs in both single-electrode mode and freestanding-triboelectric-layer mode. Nano Energy, 2019, 66, 104169.	8.2	41
13	Graphitic Mesoporous Carbon/Mn7C3 as Polysulfide Host for High Rate Li-S Batteries. Journal of the Electrochemical Society, 2019, 166, A2028-A2034.	1.3	11
14	Suppressing Lithium Dendrite Growth via Sinusoidal Ripple Current Produced by Triboelectric Nanogenerators. Advanced Energy Materials, 2019, 9, 1900487.	10.2	21
15	Lyotropic Liquid Crystal as an Electrolyte Additive for Suppressing Selfâ€Ðischarge of Supercapacitors. ChemElectroChem, 2019, 6, 2531-2535.	1.7	21
16	High-frequency supercapacitors based on carbonized melamine foam as energy storage devices for triboelectric nanogenerators. Nano Energy, 2019, 55, 447-453.	8.2	54
17	Magnesium Anodes with Extended Cycling Stability for Lithiumâ€lon Batteries. Advanced Functional Materials, 2019, 29, 1806400	7.8	12
18	Suppressing self-discharge of supercapacitors via electrorheological effect of liquid crystals. Nano Energy, 2018, 47, 43-50.	8.2	183

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19	Multishelled Si@Cu Microparticles Supported on 3D Cu Current Collectors for Stable and Binder-free Anodes of Lithium-Ion Batteries. ACS Nano, 2018, 12, 3587-3599.	7.3	74
20	Tip-Selective Growth of Silver on Gold Nanostars for Surface-Enhanced Raman Scattering. ACS Applied Materials & Interfaces, 2018, 10, 14850-14856.	4.0	46
21	Stretchable V ₂ O ₅ /PEDOT supercapacitors: a modular fabrication process and charging with triboelectric nanogenerators. Nanoscale, 2018, 10, 7719-7725.	2.8	26
22	Enhancing the Rate Performance of a Li ₃ VO ₄ Anode through Cu Doping. ChemElectroChem, 2018, 5, 478-482.	1.7	26
23	Improved rate performance of Prussian blue cathode materials for sodium ion batteries induced by ion-conductive solid-electrolyte interphase layer. Journal of Power Sources, 2018, 399, 42-48.	4.0	41
24	Zinc(II)-Tetradentate-Coordinated Probe with Aggregation-Induced Emission Characteristics for Selective Imaging and Photoinactivation of Bacteria. ACS Omega, 2017, 2, 546-553.	1.6	37
25	Enhanced Electrochemical Properties of Li ₃ VO ₄ with Controlled Oxygen Vacancies as Liâ€Ion Battery Anode. Chemistry - A European Journal, 2017, 23, 5368-5374.	1.7	44
26	Enhanced storage of sodium ions in Prussian blue cathode material through nickel doping. Journal of Materials Chemistry A, 2017, 5, 9604-9610.	5.2	95
27	Shaping Gold Nanocrystals in Dimethyl Sulfoxide: Toward Trapezohedral and Bipyramidal Nanocrystals Enclosed by {311} Facets. Journal of the American Chemical Society, 2017, 139, 5817-5826.	6.6	48
28	Cross-linker mediated formation of sulfur-functionalized V ₂ O ₅ /graphene aerogels and their enhanced pseudocapacitive performance. Nanoscale, 2017, 9, 802-811.	2.8	68
29	Structureâ€Dependent <i>cis</i> / <i>trans</i> Isomerization of Tetraphenylethene Derivatives: Consequences for Aggregationâ€Induced Emission. Angewandte Chemie, 2016, 128, 6300-6304.	1.6	19
30	Direct Growth of 3 D Hierarchical Porous Ni ₃ S ₂ Nanostructures on Nickel Foam for Highâ€₽erformance Supercapacitors. ChemNanoMat, 2016, 2, 719-725.	1.5	20
31	Enhanced Electrochemical Properties of Sn-doped V2O5 as a Cathode Material for Lithium Ion Batteries. Electrochimica Acta, 2016, 222, 1831-1838.	2.6	51
32	Highâ€Performance Solidâ€State Supercapacitors Based on V ₂ O ₅ /Carbon Nanotube Composites. ChemElectroChem, 2016, 3, 158-164.	1.7	62
33	Structureâ€Dependent <i>cis</i> / <i>trans</i> Isomerization of Tetraphenylethene Derivatives: Consequences for Aggregationâ€Induced Emission. Angewandte Chemie - International Edition, 2016, 55, 6192-6196.	7.2	75
34	Thermoresponsive magnetic ionic liquids: synthesis and temperature switchable magnetic separation. RSC Advances, 2016, 6, 15731-15734.	1.7	12
35	Multi-functional forward osmosis draw solutes for seawater desalination. Chinese Journal of Chemical Engineering, 2016, 24, 23-30.	1.7	45
36	CHAPTER 2. Smart Materials as Forward Osmosis Draw Solutes. RSC Smart Materials, 2016, , 19-50.	0.1	2

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37	Pd–Pb Alloy Nanocrystals with Tailored Composition for Semihydrogenation: Taking Advantage of Catalyst Poisoning. Angewandte Chemie, 2015, 127, 8389-8392.	1.6	27
38	Pd–Pb Alloy Nanocrystals with Tailored Composition for Semihydrogenation: Taking Advantage of Catalyst Poisoning. Angewandte Chemie - International Edition, 2015, 54, 8271-8274.	7.2	125
39	Tuning Interior Nanogaps of Double-shelled Au/Ag Nanoboxes for Surface-Enhanced Raman Scattering. Scientific Reports, 2015, 5, 8382.	1.6	35
40	Single Molecule with Dual Function on Nanogold: Biofunctionalized Construct for In Vivo Photoacoustic Imaging and SERS Biosensing. Advanced Functional Materials, 2015, 25, 2316-2325.	7.8	65
41	Image-guided combination chemotherapy and photodynamic therapy using a mitochondria-targeted molecular probe with aggregation-induced emission characteristics. Chemical Science, 2015, 6, 4580-4586.	3.7	182
42	Highly Symmetric Gold Nanostars: Crystallographic Control and Surface-Enhanced Raman Scattering Property. Journal of the American Chemical Society, 2015, 137, 10460-10463.	6.6	261
43	Layered V ₂ O ₅ /PEDOT Nanowires and Ultrathin Nanobelts Fabricated with a Silk Reelinglike Process. Chemistry of Materials, 2015, 27, 5813-5819.	3.2	74
44	Sandwich-structured Fe ₂ O ₃ @SiO ₂ @Au nanoparticles with magnetoplasmonic responses. Journal of Materials Chemistry C, 2015, 3, 11645-11652.	2.7	13
45	Hierarchical nanocomposite composed of layered V2O5/PEDOT/MnO2 nanosheets for high-performance asymmetric supercapacitors. Nano Energy, 2015, 12, 76-87.	8.2	90
46	Metallic Nanostructures. , 2015, , .		24
47	Metallic Nanostructures: Fundamentals. , 2015, , 1-47.		2
48	Oneâ€Pot Synthesis of CO 2 â€Responsive Magnetic Nanoparticles with Switchable Hydrophilicity. Chemistry - A European Journal, 2014, 20, 14057-14062.	1.7	20
49	A Dendrimer-Based Forward Osmosis Draw Solute for Seawater Desalination. Industrial & Engineering Chemistry Research, 2014, 53, 16170-16175.	1.8	73
50	Controlled Synthesis of Palladium Concave Nanocubes with Sub-10-Nanometer Edges and Corners for Tunable Plasmonic Property. Chemistry of Materials, 2014, 26, 2180-2186.	3.2	72
51	Insitu gold-loaded titania photonic crystals with enhanced photocatalytic activity. Journal of Materials Chemistry A, 2014, 2, 545-553.	5.2	73
52	Ethylenediamine-mediated synthesis of Mn ₃ O ₄ nano-octahedrons and their performance as electrocatalysts for the oxygen evolution reaction. Nanoscale, 2014, 6, 10896-10901.	2.8	36
53	A solventless thermolysis route to large-scale production of ultra-small hydrophilic and biocompatible magnetic ferrite nanocrystals and their application for efficient protein enrichment. Green Chemistry, 2014, 16, 2571.	4.6	32
54	Volume-confined synthesis of ligand-free gold nanoparticles with tailored sizes for enhanced catalytic activity. Chemical Physics Letters, 2014, 613, 95-99.	1.2	15

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55	Dodecahedral Gold Nanocrystals: The Missing Platonic Shape. Journal of the American Chemical Society, 2014, 136, 3010-3012.	6.6	39
56	Thermoresponsive copolymer-based draw solution for seawater desalination in a combined process of forward osmosis and membrane distillation. Desalination, 2014, 348, 26-32.	4.0	153
57	DNA-assisted assembly of carbon nanotubes and MnO2 nanospheres as electrodes for high-performance asymmetric supercapacitors. Physical Chemistry Chemical Physics, 2014, 16, 4672.	1.3	55
58	Fabrication of Well-Ordered Binary Colloidal Crystals with Extended Size Ratios for Broadband Reflectance. ACS Applied Materials & amp; Interfaces, 2014, 6, 10265-10273.	4.0	31
59	Na+-functionalized carbon quantum dots: a new draw solute in forward osmosis for seawater desalination. Chemical Communications, 2014, 50, 7318.	2.2	161
60	Thermoresponsive nanoparticles + plasmonic nanoparticles = photoresponsive heterodimers: facile synthesis and sunlight-induced reversible clustering. Chemical Communications, 2013, 49, 6122.	2.2	59
61	Highly permeable aquaporin-embedded biomimetic membranes featuring a magnetic-aided approach. RSC Advances, 2013, 3, 9178.	1.7	51
62	In Situ "Doping―Inverse Silica Opals with Size-Controllable Gold Nanoparticles for Refractive Index Sensing. Journal of Physical Chemistry C, 2013, 117, 9440-9445.	1.5	48
63	Hierarchically structured MnO2 nanowires supported on hollow Ni dendrites for high-performance supercapacitors. Nanoscale, 2013, 5, 4379.	2.8	111
64	Thermoresponsive Magnetic Nanoparticles for Seawater Desalination. ACS Applied Materials & Interfaces, 2013, 5, 11453-11461.	4.0	143
65	Morphology control of bimetallic nanostructures for electrochemical catalysts. Nanotechnology Reviews, 2013, 2, 487-514.	2.6	24
66	Growth of Au@Ag Core–Shell Pentatwinned Nanorods: Tuning the End Facets. Chemistry - A European Journal, 2013, 19, 12732-12738.	1.7	25
67	Reduced Graphene Oxide Nanosheets Functionalized with Bile Salts as Support for Electrochemical Catalysts. Advanced Materials Research, 2012, 535-537, 1467-1477.	0.3	2
68	Fabrication of Large Domain Crack-Free Colloidal Crystal Heterostructures with Superposition Bandgaps Using Hydrophobic Polystyrene Spheres. ACS Applied Materials & Interfaces, 2012, 4, 5562-5569.	4.0	68
69	Tunneling behavior of bismuth telluride nanoplates in electrical transport. Chemical Physics Letters, 2012, 546, 125-128.	1.2	3
70	Silver Nanocube-Enhanced Far-Red/Near-Infrared Fluorescence of Conjugated Polyelectrolyte for Cellular Imaging. Langmuir, 2012, 28, 11302-11309.	1.6	31
71	Tailoring Galvanic Replacement Reaction for the Preparation of Pt/Ag Bimetallic Hollow Nanostructures with Controlled Number of Voids. ACS Nano, 2012, 6, 7397-7405.	7.3	247
72	Highly ordered and gap controllable two-dimensional non-close-packed colloidal crystals and plasmonic–photonic crystals with enhanced optical transmission. Journal of Materials Chemistry, 2012, 22, 24668.	6.7	39

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73	A Solid-State Reaction Route to Anchoring Ni(OH) ₂ Nanoparticles on Reduced Graphene Oxide Sheets for Supercapacitors. Industrial & Engineering Chemistry Research, 2012, 51, 9973-9979.	1.8	99
74	Brillouin study of confined eigenvibrations of silver nanocubes. Solid State Communications, 2012, 152, 501-503.	0.9	4
75	Facile synthesis of thermosensitive magnetic nanoparticles as "smart―draw solutes in forward osmosis. Chemical Communications, 2011, 47, 10788.	2.2	123
76	Synthesis of shield-like singly twinned high-index Au nanoparticles. Nanoscale, 2011, 3, 1497.	2.8	21
77	Synergistic Effect of Ag and Pd Ions on Shape-Selective Growth of Polyhedral Au Nanocrystals with High-Index Facets. Journal of Physical Chemistry C, 2011, 115, 3638-3645.	1.5	93
78	Fabrication of TiO ₂ Binary Inverse Opals without Overlayers via the Sandwich-Vacuum Infiltration of Precursor. Langmuir, 2011, 27, 5157-5164.	1.6	72
79	Chiral Transformation: From Single Nanowire to Double Helix. Journal of the American Chemical Society, 2011, 133, 20060-20063.	6.6	101
80	Hypersonic confined eigenvibrations of gold nano-octahedra. Applied Physics Letters, 2011, 98, 133123.	1.5	8
81	Integrating <i>in situ</i> high pressure small and wide angle synchrotron x-ray scattering for exploiting new physics of nanoparticle supercrystals. Review of Scientific Instruments, 2010, 81, 093902.	0.6	57
82	Seed-Mediated Synthesis of Monodisperse Concave Trisoctahedral Gold Nanocrystals with Controllable Sizes. Journal of Physical Chemistry C, 2010, 114, 11119-11126.	1.5	187
83	Hypersonic Vibrations of Ag@SiO ₂ (Cubic Core)â^'Shell Nanospheres. ACS Nano, 2010, 4, 7692-7698.	7.3	28
84	Pd-Pt Bimetallic Nanodendrites with High Activity for Oxygen Reduction. Science, 2009, 324, 1302-1305.	6.0	2,814
85	Chemical Synthesis of Novel Plasmonic Nanoparticles. Annual Review of Physical Chemistry, 2009, 60, 167-192.	4.8	616
86	Synthesis and application of RuSe ₂ _{+ Î′} nanotubes as a methanol tolerant electrocatalyst for the oxygen reduction reaction. Journal of Materials Chemistry, 2009, 19, 1024-1030.	6.7	20
87	Dimers of Silver Nanospheres: Facile Synthesis and Their Use as Hot Spots for Surface-Enhanced Raman Scattering. Nano Letters, 2009, 9, 485-490.	4.5	578
88	Crystalline heaven. Nano Today, 2008, 3, 47.	6.2	1
89	Facile Synthesis of Gold Nanoparticles with Narrow Size Distribution by Using AuCl or AuBr as the Precursor. Chemistry - A European Journal, 2008, 14, 1584-1591.	1.7	143
90	A Comparative Study of Galvanic Replacement Reactions Involving Ag Nanocubes and AuCl ₂ ^{â^'} or AuCl ₄ ^{â^'} . Advanced Materials, 2008, 20, 2517-2522.	11.1	246

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91	Synthesis and characterization of magnetic Co nanoparticles: A comparison study of three different capping surfactants. Journal of Solid State Chemistry, 2008, 181, 1530-1538.	1.4	68
92	Facile Synthesis of Highly Faceted Multioctahedral Pt Nanocrystals through Controlled Overgrowth. Nano Letters, 2008, 8, 4043-4047.	4.5	236
93	Direct Oxidation of Methanol on Pt Nanostructures Supported on Electrospun Nanofibers of Anatase. Journal of Physical Chemistry C, 2008, 112, 9970-9975.	1.5	97
94	Morphological Evolution of Single-Crystal Ag Nanospheres during the Galvanic Replacement Reaction with HAuCl ₄ . Journal of Physical Chemistry C, 2008, 112, 7872-7876.	1.5	91
95	Ultrathin Gold Nanowires Can Be Obtained by Reducing Polymeric Strands of Oleylamineâ^'AuCl Complexes Formed via Aurophilic Interaction. Journal of the American Chemical Society, 2008, 130, 8900-8901.	6.6	460
96	Gold Nanocages: Synthesis, Properties, and Applications. Accounts of Chemical Research, 2008, 41, 1587-1595.	7.6	1,336
97	Adding new functions to organic semiconductor nanowires by assembling metal nanoparticles onto their surfaces. Journal of Materials Chemistry, 2008, 18, 5395.	6.7	40
98	Facile Synthesis of Ultrathin Au Nanorods by Aging the AuCl(oleylamine) Complex with Amorphous Fe Nanoparticles in Chloroform. Nano Letters, 2008, 8, 3052-3055.	4.5	78
99	Fabrication of Field-Effect Transistors from Hexathiapentacene Single-Crystal Nanowires. Nano Letters, 2007, 7, 668-675.	4.5	272
100	Fabrication of Cubic Nanocages and Nanoframes by Dealloying Au/Ag Alloy Nanoboxes with an Aqueous Etchant Based on Fe(NO3)3 or NH4OH. Nano Letters, 2007, 7, 1764-1769.	4.5	360
101	Galvanic replacement reaction: A simple and powerful route to hollow and porous metal nanostructures. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2007, 221, 1-16.	0.1	37
102	Gold nanocages for cancer detection and treatment. Nanomedicine, 2007, 2, 657-668.	1.7	140
103	Mechanistic Studies on the Galvanic Replacement Reaction between Multiply Twinned Particles of Ag and HAuCl4in an Organic Medium. Journal of the American Chemical Society, 2007, 129, 1733-1742.	6.6	331
104	Gold Nanocages for Biomedical Applications. Advanced Materials, 2007, 19, 3177-3184.	11.1	464
105	Buckling down for flexible electronics. Nature Nanotechnology, 2006, 1, 163-164.	15.6	118
106	Wet Chemical Synthesis of Germanium Nanocrystals. Materials Research Society Symposia Proceedings, 2005, 879, 1.	0.1	3
107	Synthesis of germanium nanocrystals in high temperature supercritical CO2. Nanotechnology, 2005, 16, S389-S394.	1.3	29
108	High Yield of Germanium Nanocrystals Synthesized from Germanium Diiodide in Solution. Chemistry of Materials, 2005, 17, 6479-6485.	3.2	97

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109	High Yield Solutionâ^'Liquidâ^'Solid Synthesis of Germanium Nanowires. Journal of the American Chemical Society, 2005, 127, 15718-15719.	6.6	107
110	Synthesis of Germanium Nanocrystals in High Temperature Supercritical Fluid Solvents. Nano Letters, 2004, 4, 969-974.	4.5	106
111	Electrogenerated Chemiluminescence of Ge Nanocrystals. Nano Letters, 2004, 4, 183-185.	4.5	137
112	Growth of Single Crystal Silicon Nanowires in Supercritical Solution from Tethered Gold Particles on a Silicon Substrate. Nano Letters, 2003, 3, 93-99.	4.5	137