

# Synthesis, Properties, and Applications of Hollow Micro

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Facile Synthesis of $\text{Cu}_2\text{GeS}_3$ and $\text{Cu}_2\text{MGeS}_4$ (M = Zn,) <i>Tj ETQq0 0 0 rgBT /Overlock</i> <i>Materials</i> , 2016, 28, 9139-9149.	6.7	22
3	All-into-one strategy to synthesize mesoporous hybrid silicate microspheres from naturally rich red palygorskite clay as high-efficient adsorbents. <i>Scientific Reports</i> , 2016, 6, 39599.	3.3	36
4	Rational designs and engineering of hollow micro-/nanostructures as sulfur hosts for advanced lithium-sulfur batteries. <i>Energy and Environmental Science</i> , 2016, 9, 3061-3070.	30.8	598
5	All-in-One Theranostic Nanoplatfrom Based on Hollow TaOx for Chelator-Free Labeling Imaging, Drug Delivery, and Synergistically Enhanced Radiotherapy. <i>Advanced Functional Materials</i> , 2016, 26, 8243-8254.	14.9	78
6	Introduction: Nanoparticle Chemistry. <i>Chemical Reviews</i> , 2016, 116, 10343-10345.	47.7	131
7	Block Copolymer-Assisted Solvothermal Synthesis of Hollow $\text{Bi}_2\text{MoO}_6$ Spheres Substituted with Samarium. <i>Langmuir</i> , 2016, 32, 10967-10976.	3.5	24
8	Hierarchical $\text{Zn}_3\text{V}_3\text{O}_8/\text{C}$ composite microspheres assembled from unique porous hollow nanoplates with superior lithium storage capability. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17063-17072.	10.3	48
9	Designed formation through a metal organic framework route of $\text{ZnO}/\text{ZnCo}_2\text{O}_4$ hollow core-shell nanocages with enhanced gas sensing properties. <i>Nanoscale</i> , 2016, 8, 16349-16356.	5.6	152
10	MOF-Derived Tungstated Zirconia as Strong Solid Acids toward High Catalytic Performance for Acetalization. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 23755-23762.	8.0	39
11	Self-Assembly of Colloidal Nanocrystals: From Intricate Structures to Functional Materials. <i>Chemical Reviews</i> , 2016, 116, 11220-11289.	47.7	1,485
12	A bubble-template approach for assembling Ni-Co oxide hollow microspheres with an enhanced electrochemical performance as an anode for lithium ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25879-25886.	2.8	39
13	Hollow spheres as nanocomposite fillers for aerospace and automotive composite materials applications. <i>Composites Part B: Engineering</i> , 2016, 106, 74-80.	12.0	20
14	Colloidal Synthesis and Applications of Plasmonic Metal Nanoparticles. <i>Advanced Materials</i> , 2016, 28, 10508-10517.	21.0	128
15	New way to multi-shelled hollow spheres for robust battery electrode. <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1004-1006.	6.0	4
16	The Synergy between Metal Facet and Oxide Support Facet for Enhanced Catalytic Performance: The Case of $\text{Pd}/\text{TiO}_2$ . <i>Nano Letters</i> , 2016, 16, 5298-5302.	9.1	69
17	Are phosphide nano-cages better than nitride nano-cages? A kinetic, thermodynamic and non-linear optical properties study of alkali metal encapsulated $\text{X}_{12}\text{Y}_{12}$ nano-cages. <i>Journal of Materials Chemistry C</i> , 2016, 4, 10919-10934.	5.5	122
18	Formation of Triple-Shelled Molybdenum-Polydopamine Hollow Spheres and Their Conversion into $\text{MoO}_2/\text{Carbon}$ Composite Hollow Spheres for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2016, 128, 14888-14892.	2.0	35
19	Formation of Triple-Shelled Molybdenum-Polydopamine Hollow Spheres and Their Conversion into $\text{MoO}_2/\text{Carbon}$ Composite Hollow Spheres for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14668-14672.	13.8	185

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20	One-Pot Fabrication of Hollow and Porous Pd–Cu Alloy Nanospheres and Their Remarkably Improved Catalytic Performance for Hexavalent Chromium Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 30948-30955.	8.0	82
21	Paclitaxel-loaded hollow-poly(4-vinylpyridine) nanoparticles enhance drug chemotherapeutic efficacy in lung and breast cancer cell lines. <i>Nano Research</i> , 2017, 10, 856-875.	10.4	22
22	Efficient Solar Light Harvesting CdS/Co <sub>9</sub> S <sub>8</sub> Hollow Cubes for Z-scheme Photocatalytic Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2684-2688.	13.8	445
23	Efficient Solar Light Harvesting CdS/Co <sub>9</sub> S <sub>8</sub> Hollow Cubes for Z-scheme Photocatalytic Water Splitting. <i>Angewandte Chemie</i> , 2017, 129, 2728-2732.	2.0	108
24	General synthesis of metal oxide hollow core–shell microspheres as anode materials for lithium-ion batteries and as adsorbents for wastewater treatment. <i>CrystEngComm</i> , 2017, 19, 1311-1319.	2.6	8
25	Highly Porous Thermoelectric Nanocomposites with Low Thermal Conductivity and High Figure of Merit from Large-scale Solution-synthesized Bi <sub>2</sub> Te <sub>2.5</sub> Se <sub>0.5</sub> Hollow Nanostructures. <i>Angewandte Chemie</i> , 2017, 129, 3600-3605.	2.0	26
26	Highly Porous Thermoelectric Nanocomposites with Low Thermal Conductivity and High Figure of Merit from Large-scale Solution-synthesized Bi <sub>2</sub> Te <sub>2.5</sub> Se <sub>0.5</sub> Hollow Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3546-3551.	13.8	114
27	Complex Hollow Nanostructures: Synthesis and Energy-related Applications. <i>Advanced Materials</i> , 2017, 29, 1604563.	21.0	627
28	Swollen liquid crystals (SLCs): a versatile template for the synthesis of nano structured materials. <i>RSC Advances</i> , 2017, 7, 5733-5750.	3.6	57
29	From Galvanic to Anti-Galvanic Synthesis of Bimetallic Nanoparticles and Applications in Catalysis, Sensing, and Materials Science. <i>Advanced Materials</i> , 2017, 29, 1605305.	21.0	76
30	Self-Templated Formation of Hollow Structures for Electrochemical Energy Applications. <i>Accounts of Chemical Research</i> , 2017, 50, 293-301.	15.6	397
31	Hypercrosslinked porous polymer materials: design, synthesis, and applications. <i>Chemical Society Reviews</i> , 2017, 46, 3322-3356.	38.1	938
32	Design and synthesis of dodecahedral carbon nanocages incorporated with Fe <sub>3</sub> O <sub>4</sub> . <i>RSC Advances</i> , 2017, 7, 13257-13262.	3.6	10
33	Template-free formation of various V <sub>2</sub> O <sub>5</sub> hierarchical structures as cathode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6522-6531.	10.3	50
34	Intricate Hollow Structures: Controlled Synthesis and Applications in Energy Storage and Conversion. <i>Advanced Materials</i> , 2017, 29, 1602914.	21.0	523
35	C-doped ZnO ball-in-ball hollow microspheres for efficient photocatalytic and photoelectrochemical applications. <i>Journal of Hazardous Materials</i> , 2017, 331, 235-245.	12.4	71
36	Design and synthesis of porous ZnTiO <sub>3</sub> /TiO <sub>2</sub> nanocages with heterojunctions for enhanced photocatalytic H <sub>2</sub> production. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11615-11622.	10.3	54
37	Flexible three-dimensional electrodes of hollow carbon bead strings as graded sulfur reservoirs and the synergistic mechanism for lithium–sulfur batteries. <i>Applied Surface Science</i> , 2017, 413, 209-218.	6.1	38

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38	Using amine-functionalized magnetite hollow nanospheres (AMHNs) as adsorbents for heavy metal ions. <i>Water Science and Technology</i> , 2017, 76, 452-458.	2.5	2
39	Oxidation behavior of cobalt nanoparticles studied by in situ environmental transmission electron microscopy. <i>Science Bulletin</i> , 2017, 62, 775-778.	9.0	15
40	Atomic level understanding of the nanoscale Kirkendall effect. <i>Science Bulletin</i> , 2017, 62, 818-819.	9.0	1
41	In situ growth of cobalt sulfide hollow nanospheres embedded in nitrogen and sulfur co-doped graphene nanoholes as a highly active electrocatalyst for oxygen reduction and evolution. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12354-12360.	10.3	93
42	Three-dimensional assembly structure of anatase TiO <sub>2</sub> hollow microspheres with enhanced photocatalytic performance. <i>Results in Physics</i> , 2017, 7, 1590-1594.	4.1	5
43	Drug $\alpha$ -Pent $\alpha$ -in Hollow Magnetic Prussian Blue Nanoparticles for NIR $\alpha$ -Induced Chemo $\alpha$ -Photothermal Tumor Therapy with Trimodal Imaging. <i>Advanced Healthcare Materials</i> , 2017, 6, 1700005.	7.6	48
44	Probing the Effect of Salinity and pH on Surface Interactions between Air Bubbles and Hydrophobic Solids: Implications for Colloidal Assembly at Air/Water Interfaces. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1568-1577.	3.3	26
45	In Situ Transformation of MOFs into Layered Double Hydroxide Embedded Metal Sulfides for Improved Electrocatalytic and Supercapacitive Performance. <i>Advanced Materials</i> , 2017, 29, 1606814.	21.0	502
46	Affinity study on bovine serum albumin $\alpha$ -peptides to amphiphilic gold nanoparticles: A test of epitopes and non-epitopes. <i>Applied Surface Science</i> , 2017, 416, 845-852.	6.1	4
47	Hierarchical micro/nanostructured C doped Co/Co <sub>3</sub> O <sub>4</sub> hollow spheres derived from PS@Co(OH) <sub>2</sub> for the oxygen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11163-11170.	10.3	61
48	Copper on carbon materials: stabilization by nitrogen doping. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10574-10583.	10.3	103
49	Gelatin-assisted synthesis of ZnS hollow nanospheres: the microstructure tuning, formation mechanism and application for Pt-free photocatalytic hydrogen production. <i>CrystEngComm</i> , 2017, 19, 461-468.	2.6	17
50	One-Pot Synthesis of Zeolitic Imidazolate Framework 67-Derived Hollow Co <sub>3</sub> S <sub>4</sub> @MoS <sub>2</sub> Heterostructures as Efficient Bifunctional Catalysts. <i>Chemistry of Materials</i> , 2017, 29, 5566-5573.	6.7	510
51	New Approach for the Synthesis of Nanozirconia Fortified Microcapsules. <i>Langmuir</i> , 2017, 33, 5843-5851.	3.5	10
52	Direct photocatalysis of supported metal nanostructures for organic synthesis. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 283001.	2.8	20
53	Ionic liquid-based polymeric microreactors and their applicability. <i>Journal of Materials Science</i> , 2017, 52, 10637-10647.	3.7	14
54	Morphology $\alpha$ -Conserved Transformations of Metal $\alpha$ -Based Precursors to Hierarchically Porous Micro $\alpha$ -Nanostructures for Electrochemical Energy Conversion and Storage. <i>Advanced Materials</i> , 2017, 29, 1607015.	21.0	79
55	Co <sub>7</sub> Fe <sub>3</sub> and Co <sub>7</sub> Fe <sub>3</sub> @SiO <sub>2</sub> Nanospheres with Tunable Diameters for High-Performance Electromagnetic Wave Absorption. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 21933-21941.	8.0	109

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56	Facile fabrication of layer-cake-like nano-micro hierarchical structure for high performance Li storage. RSC Advances, 2017, 7, 28548-28555.	3.6	4
57	Studies on the synthesis and electrocatalytic properties of hollow PdAu nanocatalysts. International Journal of Hydrogen Energy, 2017, 42, 16139-16148.	7.1	21
58	One-pot synthesis of Fe <sub>2</sub> O <sub>3</sub> loaded SiO <sub>2</sub> hollow particles as effective visible light photo-Fenton catalyst. Journal of Alloys and Compounds, 2017, 722, 8-16.	5.5	27
59	Porous Co-Mo phosphide nanotubes: an efficient electrocatalyst for hydrogen evolution. Journal of Materials Science, 2017, 52, 10406-10417.	3.7	39
60	3D structure-preserving galvanic replacement to create hollow Au microstructures. CrystEngComm, 2017, 19, 3808-3816.	2.6	10
61	Designing graphene-wrapped nanoporous CuCo <sub>2</sub> O <sub>4</sub> hollow spheres electrodes for high-performance asymmetric supercapacitors. Journal of Materials Chemistry A, 2017, 5, 14301-14309.	10.3	159
62	In Situ Formation of Co <sub>9</sub> S <sub>8</sub> /Ni Hollow Nanospheres by Pyrolysis and Sulfurization of ZIF-67 for High-Performance Lithium-Ion Batteries. Chemistry - A European Journal, 2017, 23, 9517-9524.	3.3	119
63	Self-assembly of hollow MoS <sub>2</sub> microflakes by one-pot hydrothermal synthesis for efficient electrocatalytic hydrogen evolution. Applied Surface Science, 2017, 411, 210-218.	6.1	16
64	Chemical Transformation of Colloidal Nanostructures with Morphological Preservation by Surface-Protection with Capping Ligands. Nano Letters, 2017, 17, 2713-2718.	9.1	52
65	Room-Temperature Catalytic Reduction of Aqueous Nitrate to Ammonia with Ni Nanoparticles Immobilized on an Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @SiO <sub>2</sub> -NH <sub>2</sub> Support. European Journal of Inorganic Chemistry, 2017, 2017, 2450-2456.	2.0	12
66	Peapod Assemblies of Au and Au/Pt Nanoparticles Encapsulated within Hollow Silica Nanotubes. ChemistrySelect, 2017, 2, 2414-2419.	1.5	8
67	Synthesis of Janus Au@periodic mesoporous organosilica (PMO) nanostructures with precisely controllable morphology: a seed-shape defined growth mechanism. Nanoscale, 2017, 9, 4826-4834.	5.6	42
68	Smart Design of Small Pd Nanoparticles Confined in Hollow Carbon Nanospheres with Large Center-Radial Mesopores. European Journal of Inorganic Chemistry, 2017, 2017, 2517-2524.	2.0	8
69	Ordered CaSi <sub>2</sub> Microwall Arrays on Si Substrates Induced by the Kirkendall Effect. Chemistry - A European Journal, 2017, 23, 3098-3106.	3.3	9
70	Unusual formation of tetragonal microstructures from nitrogen-doped carbon nanocapsules with cobalt nanocores as a bi-functional oxygen electrocatalyst. Journal of Materials Chemistry A, 2017, 5, 2271-2279.	10.3	80
71	The high surface energy of NiO {110} facets incorporated into TiO <sub>2</sub> hollow microspheres by etching Ti plate for enhanced photocatalytic and photoelectrochemical activity. Applied Surface Science, 2017, 396, 1539-1545.	6.1	20
72	Pd Nanoparticle Assemblies as Efficient Catalysts for the Hydrogen Evolution and Oxygen Reduction Reactions. European Journal of Inorganic Chemistry, 2017, 2017, 535-539.	2.0	39
73	Self-templated synthesis of uniform nanoporous CuCo <sub>2</sub> O <sub>4</sub> double-shelled hollow microspheres for high-performance asymmetric supercapacitors. Chemical Communications, 2017, 53, 1052-1055.	4.1	109

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74	Spherical-Like Ball-by-Ball Architecture of Ni-Co-Zn-S Electrodes for Electrochemical Energy Storage Application in Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2017, 164, E434-E439.	2.9	15
75	3D assembly of preformed colloidal nanoparticles into gels and aerogels: function-led design. <i>Chemical Communications</i> , 2017, 53, 12608-12621.	4.1	42
76	Size-controlled synthesis of Au nanorings on Pd ultrathin nanoplates as efficient catalysts for hydrogenation. <i>CrystEngComm</i> , 2017, 19, 6588-6593.	2.6	4
77	Palladium Nanoparticles Supported on Modified Hollow-Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> : Catalytic Activity in Heck and Sonogashira Cross Coupling Reactions. <i>Organic Preparations and Procedures International</i> , 2017, 49, 443-458.	1.3	20
78	Inflating hollow nanocrystals through a repeated Kirkendall cavitation process. <i>Nature Communications</i> , 2017, 8, 1261.	12.8	135
79	Cuprous Oxide Nanoparticle Supported on Iron Oxide (Cu <sub>2</sub> O-Fe <sub>3</sub> O <sub>4</sub> ): Magnetically Separable and Reusable Nanocatalyst for the Synthesis of Quinazolines. <i>ChemistrySelect</i> , 2017, 2, 10055-10060.	1.5	11
80	Concave ZnFe <sub>2</sub> O <sub>4</sub> Hollow Octahedral Nanocages Derived from Fe-Doped MOF-5 for High-Performance Acetone Sensing at Low-Energy Consumption. <i>Inorganic Chemistry</i> , 2017, 56, 13646-13650.	4.0	46
81	A hierarchically structured anatase-titania/indium-tin-oxide nanocomposite as an anodic material for lithium-ion batteries. <i>CrystEngComm</i> , 2017, 19, 6972-6978.	2.6	11
82	DLVO Interaction Energies between Hollow Spherical Particles and Collector Surfaces. <i>Langmuir</i> , 2017, 33, 10455-10467.	3.5	21
83	Facile Synthesis of Lanthanide (Ce, Eu, Tb, Ce/Tb, Yb/Er, Yb/Ho, and Yb/Tm)-Doped LnF <sub>3</sub> and LnOF Porous Sub- $\mu$ Microspheres with Multicolor Emissions. <i>Chemistry - an Asian Journal</i> , 2017, 12, 3046-3052.	3.3	13
84	Synthesis of doughnut-like carbonate-doped Ag <sub>3</sub> PO <sub>4</sub> with enhanced visible light photocatalytic activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 535, 89-95.	4.7	16
85	Synthesis and characterization of emamectin-benzoate slow-release microspheres with different surfactants. <i>Scientific Reports</i> , 2017, 7, 12761.	3.3	35
86	From capacitance-controlled to diffusion-controlled electrochromism in one-dimensional shape-tailored tungsten oxide nanocrystals. <i>Nano Energy</i> , 2017, 41, 634-645.	16.0	63
87	Facile synthesis of ECNU-20 (IWR) hollow sphere zeolite composed of aggregated nanosheets. <i>Dalton Transactions</i> , 2017, 46, 15641-15645.	3.3	12
88	Functional hollow nanostructures for imaging and phototherapy of tumors. <i>Journal of Materials Chemistry B</i> , 2017, 5, 8430-8445.	5.8	36
89	Top-Down Synthesis of Hollow Graphene Nanostructures for Use in Resistive Switching Memory Devices. <i>Advanced Electronic Materials</i> , 2017, 3, 1700264.	5.1	7
90	CuO hollow microspheres self-assembled with nanobars: Synthesis and their sensing properties to formaldehyde. <i>Vacuum</i> , 2017, 144, 272-280.	3.5	35
91	Tubular Superstructures Composed of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> Nanoparticles from Pyrolysis of Metal-Organic Frameworks in a Confined Space: Effect on Morphology, Particle Size, and Magnetic Properties. <i>Crystal Growth and Design</i> , 2017, 17, 4496-4500.	3.0	21

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93	Magnetic configurations and switching processes in cobalt ferromagnetic hollow nanospheres. Journal Physics D: Applied Physics, 2017, 50, 445003.	2.8	9
94	Controlled Synthesis of Hollow PbS@TiO <sub>2</sub> Hybrid Structures through an Ion Adsorption-Heating Process and their Photocatalytic Activity. Chemistry - an Asian Journal, 2017, 12, 2942-2949.	3.3	11
95	Self-Etching of Metal-Organic Framework Templates during Polydopamine Coating: Nonspherical Polydopamine Capsules and Potential Intracellular Trafficking of Metal Ions. Langmuir, 2017, 33, 12952-12959.	3.5	35
96	Ion-Exchange-Induced Selective Etching for the Synthesis of Amino-Functionalized Hollow Mesoporous Silica for Elevated-High-Temperature Fuel Cells. ACS Applied Materials & Interfaces, 2017, 9, 31922-31930.	8.0	22
97	Seed-mediated phase-selective growth of Cu <sub>2</sub> Ge <sub>3</sub> hollow nanoparticles with huge cavities. CrystEngComm, 2017, 19, 6736-6743.	2.6	5
98	Fabrication of Hollow Silica Microspheres with Orderly Hemispherical Protrusions and Capability for Heat-Induced Controlled Cracking. Langmuir, 2017, 33, 10679-10689.	3.5	6
99	Hyper-Cross-Linking Mediated Self-Assembly Strategy To Synthesize Hollow Microporous Organic Nanospheres. ACS Applied Materials & Interfaces, 2017, 9, 35209-35217.	8.0	41
100	Improved Photodegradation Efficiency of 2,4-DCP Through a Combined Q3Fe(III)-Decorated Porous g-C <sub>3</sub> N <sub>4</sub> /H <sub>2</sub> O <sub>2</sub> System. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	6
101	Synthesis, Assembly, and Applications of Hybrid Nanostructures for Biosensing. Chemical Reviews, 2017, 117, 12942-13038.	47.7	258
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104	Mild synthesis of monodisperse tin nanocrystals and tin chalcogenide hollow nanostructures. Chemical Communications, 2017, 53, 11001-11004.	4.1	14
105	Surface anion-rich NiS <sub>2</sub> hollow microspheres derived from metal-organic frameworks as a robust electrocatalyst for the hydrogen evolution reaction. Journal of Materials Chemistry A, 2017, 5, 20985-20992.	10.3	257
106	Laser-induced convenient fabrication of CdS nanocages with super adsorption capability for methyl blue solution. Chinese Physics B, 2017, 26, 085206.	1.4	1
107	Engineering Single Nanopores on Gold Nanoplates by Tuning Crystal Screw Dislocation. Advanced Materials, 2017, 29, 1703102.	21.0	17
108	Self-Templated Fabrication of Co@MoO <sub>2</sub> Nanocages for Enhanced Oxygen Evolution. Advanced Functional Materials, 2017, 27, 1702324.	14.9	224
109	Spatially Separated CdS Shells Exposed with Reduction Surfaces for Enhancing Photocatalytic Hydrogen Evolution. Advanced Functional Materials, 2017, 27, 1702624.	14.9	238

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111	TEOA-mediated formation of hollow core-shell structured CoNi <sub>2</sub> S <sub>4</sub> nanospheres as a high-performance electrode material for supercapacitors. <i>Journal of Power Sources</i> , 2017, 362, 123-130.	7.8	21
112	Bioâ€Nanotechnology in Highâ€Performance Supercapacitors. <i>Advanced Energy Materials</i> , 2017, 7, 1700592.	19.5	168
113	Template synthesis of imine-based covalent organic framework core-shell structure and hollow sphere: a case of COFTTA-DHTA. <i>Science China Chemistry</i> , 2017, 60, 1098-1102.	8.2	25
114	Synthesis of anisotropic silica colloids. <i>RSC Advances</i> , 2017, 7, 37542-37548.	3.6	9
115	Physicochemical regulation of TGF and VEGF delivery from mesoporous calcium phosphate bone substitutes. <i>Nanomedicine</i> , 2017, 12, 1835-1850.	3.3	7
116	Cation exchange formation of prussian blue analogue submicroboxes for high-performance Na-ion hybrid supercapacitors. <i>Nano Energy</i> , 2017, 39, 647-653.	16.0	204
117	N- and O-doped hollow carbonaceous spheres with hierarchical porous structure for potential application in high-performance capacitance. <i>Journal of Power Sources</i> , 2017, 363, 356-364.	7.8	45
118	Hierarchical multi-shelled nanoporous mixed copper cobalt phosphide hollow microspheres as a novel advanced electrode for high-performance asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18429-18433.	10.3	75
119	Polymer capsules as micro-/nanoreactors for therapeutic applications: Current strategies to control membrane permeability. <i>Progress in Materials Science</i> , 2017, 90, 325-357.	32.8	91
120	One-step ultrasonic spray route for rapid preparation of hollow Fe <sub>3</sub> O <sub>4</sub> /C microspheres anode for lithium-ion batteries. <i>Chemical Engineering Journal</i> , 2017, 330, 995-1001.	12.7	62
121	Yolkâ€Shell Polystyrene@Microporous Organic Network: A Smart Template with Thermally Disassemblable Yolk To Engineer Hollow MoS <sub>2</sub> /C Composites for High-Performance Supercapacitors. <i>ACS Omega</i> , 2017, 2, 7658-7665.	3.5	15
122	Hollow polymer particles: a review. <i>RSC Advances</i> , 2017, 7, 52632-52650.	3.6	78
123	Direct observation of the nanoscale Kirkendall effect during galvanic replacement reactions. <i>Nature Communications</i> , 2017, 8, 1224.	12.8	175
124	Surface Wrinkling and Porosity of Polymer Particles toward Biological and Biomedical Applications. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700929.	3.7	20
125	Graphene Aerogel Templated Fabrication of Phase Change Microspheres as Thermal Buffers in Microelectronic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 41323-41331.	8.0	65
126	Citrate Stabilized Hierarchical SPIO Nanostructures: Synthesis and Application Towards Effective Removal of Toxin, <i>Microcystin</i> â€LR from Water. <i>ChemistrySelect</i> , 2017, 2, 5226-5233.	1.5	1
127	Controlled Synthesis of Lead-Free Cesium Tin Halide Perovskite Cubic Nanocages with High Stability. <i>Chemistry of Materials</i> , 2017, 29, 6493-6501.	6.7	133



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128	Implantation of Fe <sub>3</sub> O <sub>4</sub> Nanoparticles in Shells of Au@SiO <sub>2</sub> Yolk@Shell Nanocatalysts with Both Improved Recyclability and Catalytic Activity. Langmuir, 2017, 33, 7486-7493.	3.5	34
129	Large-scale synthesis of porous NiCo <sub>2</sub> O <sub>4</sub> and rGO@NiCo <sub>2</sub> O <sub>4</sub> hollow-spheres with superior electrochemical performance as a faradaic electrode. Journal of Materials Chemistry A, 2017, 5, 16854-16864.	10.3	80
130	Hollow and microporous triphenylamine networks post-modified with TCNE for enhanced organocathode performance. Chemical Communications, 2017, 53, 8778-8781.	4.1	37
131	Heteroatom-doped Carbon Spheres from Hierarchical Hollow Covalent Organic Framework Precursors for Metal-free Catalysis. ChemSusChem, 2017, 10, 4921-4926.	6.8	75
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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814	Rational Construction of Ruthenium-Cobalt Oxides Heterostructure in ZIFs-Derived Double-Shelled Hollow Polyhedrons for Efficient Hydrogen Evolution Reaction. <i>Small</i> , 2021, 17, e2100998.	10.0	27
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