## A One-Pot Approach to Hierarchically Nanoporous Tita Photocatalytic Activity

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**Citation Report** 

#	Article	IF	CITATIONS
1	Oneâ€Pot Templateâ€Free Synthesis of Monodisperse Zinc Sulfide Hollow Spheres and Their Photocatalytic Properties. Chemistry - A European Journal, 2009, 15, 6731-6739.	3.3	229
2	Wellâ€Defined Crystalline TiO <sub>2</sub> Nanoparticles Generated and Immobilized on a Colloidal Nanoreactor. Macromolecular Chemistry and Physics, 2009, 210, 377-386.	2.2	42
3	Water intrusion-extrusion in silicalite-1 with tunable mesoporosity prepared in fluoride medium. Journal of Materials Science, 2009, 44, 6525-6530.	3.7	10
4	Visible-light responsive C,N-codoped Titania hollow spheres for X-3B dye photodegradation. Microporous and Mesoporous Materials, 2009, 118, 382-386.	4.4	37
5	Template-free hydrothermal fabrication of hierarchically organized Î <sup>3</sup> -AlOOH hollow microspheres. Microporous and Mesoporous Materials, 2009, 122, 42-47.	4.4	103
6	Effects of urea on the microstructure and photocatalytic activity of bimodal mesoporous titania microspheres. Journal of Molecular Catalysis A, 2009, 313, 107-113.	4.8	28
7	Kinetic modeling based on the non-linear regression analysis for the degradation of Alizarin Red S by advanced photo Fenton process using zero valent metallic iron as the catalyst. Journal of Molecular Catalysis A, 2009, 314, 88-94.	4.8	53
8	Room-temperature fabrication of anatase TiO2 submicrospheres with nanothornlike shell for photocatalytic degradation of methylene blue. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 204, 154-160.	3.9	19
9	Hierarchically structured functional materials: Synthesis strategies for multimodal porous networks. Pure and Applied Chemistry, 2009, 81, 2265-2307.	1.9	90
10	Large-scale production of monodispersed titania microspheres by surfactant-guided self-assembly. Journal of Alloys and Compounds, 2009, 487, 763-767.	5.5	19
11	Facile Preparation of F and N Codoped Pinecone-Like Titania Hollow Microparticles with Visible Light Photocatalytic Activity. Journal of Physical Chemistry C, 2009, 113, 14151-14158.	3.1	38
12	Self-Template Synthesis of CdIn <sub>2</sub> O <sub>4</sub> Hollow Spheres and Effects of Cd/In Molar Ratios on Its Morphologies. Inorganic Chemistry, 2009, 48, 10548-10552.	4.0	21
13	A Self-Templated Route to Hollow Silica Microspheres. Journal of Physical Chemistry C, 2009, 113, 3168-3175.	3.1	243
14	Waterâ^'Dichloromethane Interface Controlled Synthesis of Hierarchical Rutile TiO <sub>2</sub> Superstructures and Their Photocatalytic Properties. Inorganic Chemistry, 2009, 48, 1105-1113.	4.0	92
15	Fabrication and Characterization of Visible-Light-Driven Plasmonic Photocatalyst Ag/AgCl/TiO <sub>2</sub> Nanotube Arrays. Journal of Physical Chemistry C, 2009, 113, 16394-16401.	3.1	770
16	Synthesis of Boehmite Hollow Core/Shell and Hollow Microspheres via Sodium Tartrate-Mediated Phase Transformation and Their Enhanced Adsorption Performance in Water Treatment. Journal of Physical Chemistry C, 2009, 113, 14739-14746.	3.1	194
17	Hierarchically organized nanostructured TiO <sub>2</sub> for photocatalysis applications. Nanotechnology, 2009, 20, 015604.	2.6	122
18	Hydrothermal Synthesis and Visible-light Photocatalytic Activity of Novel Cage-like Ferric Oxide Hollow Spheres. Crystal Growth and Design, 2009, 9, 1474-1480.	3.0	291

#	Article	IF	CITATIONS
19	Preparation, characterization and enhanced photocatalytic activity of Ni2+ doped titania under solar light. Open Chemistry, 2010, 8, 142-148.	1.9	34
20	Microwaveâ€Hydrothermal Preparation and Visible‣ight Photoactivity of Plasmonic Photocatalyst Agâ€īiO <sub>2</sub> Nanocomposite Hollow Spheres. Chemistry - an Asian Journal, 2010, 5, 1466-1474.	3.3	105
21	Synergistic effects of hollow structure and surface fluorination on the photocatalytic activity of titania. Journal of Hazardous Materials, 2010, 173, 539-543.	12.4	67
22	Low-temperature hydrothermal synthesis of highly photoactive mesoporous spherical TiO2 nanocrystalline. Journal of Physics and Chemistry of Solids, 2010, 71, 507-510.	4.0	20
23	Preparation and characterization of p–n heterojunction photocatalyst p-CuBi2O4/n-TiO2 with high photocatalytic activity under visible and UV light irradiation. Journal of Nanoparticle Research, 2010, 12, 1355-1366.	1.9	83
24	Sonochemical fabrication of morpho-genetic TiO2 with hierarchical structures for photocatalyst. Journal of Nanoparticle Research, 2010, 12, 2445-2456.	1.9	41
25	Preparation, characterization and activity evaluation of heterojunction ZrTi2O6/TiO2 photocatalyst. Materials Chemistry and Physics, 2010, 124, 1057-1064.	4.0	17
26	A facile approach to nanostructured hollow titania with high photocatalytic activity. Materials Letters, 2010, 64, 1013-1015.	2.6	3
27	Fabrication of Nickel hollow spheres by microemulsion–template–interface reaction route. Materials Letters, 2010, 64, 746-748.	2.6	7
28	Self-template route to MnO2 hollow structures for supercapacitors. Materials Letters, 2010, 64, 1480-1482.	2.6	43
29	Synthesis of Three-Quarter-Sphere-Like γ-AlOOH Superstructures with High Adsorptive Capacity. European Journal of Inorganic Chemistry, 2010, 2010, 872-878.	2.0	21
30	Hydrothermal synthesis of TiO2 hollow microspheres for the photocatalytic degradation of 4-chloronitrobenzene. Journal of Hazardous Materials, 2010, 184, 612-619.	12.4	76
31	One-pot hydrothermal synthesis and enhanced photocatalytic activity of trifluoroacetic acid modified TiO2 hollow microspheres. Journal of Molecular Catalysis A, 2010, 326, 8-14.	4.8	64
32	A one-pot synthetic approach to prepare palladium nanoparticles embedded hierarchically porous TiO2 hollow spheres for hydrogen peroxide sensing. Journal of Solid State Chemistry, 2010, 183, 2421-2425.	2.9	33
33	Enhanced photocatalytic activity of transition metal ions Mn2+, Ni2+ and Zn2+ doped polycrystalline titania for the degradation of Aniline Blue under UV/solar light. Journal of Molecular Catalysis A, 2010, 328, 44-52.	4.8	197
34	Photocatalytic activity of TiO2 doped with Zn2+ and V5+ transition metal ions: Influence of crystallite size and dopant electronic configuration on photocatalytic activity. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 166, 1-6.	3.5	141
35	Preparation and Characterization of p-n Heterojunction Photocatalyst Cu[sub 2]O/In[sub 2]O[sub 3] and its Photocatalytic Activity under Visible and UV Light Irradiation. Journal of the Electrochemical Society, 2010, 157, H1029.	2.9	30
36	New Photocatalyst Electrodes and Their Photocatalytic Degradation Properties of Organics. Current Organic Chemistry, 2010, 14, 709-727.	1.6	4

#	Article	IF	CITATIONS
37	Ion-Exchange Synthesis and Enhanced Visible-Light Photoactivity of CuS/ZnS Nanocomposite Hollow Spheres. Journal of Physical Chemistry C, 2010, 114, 13642-13649.	3.1	274
38	Visible-Light Activity Evaluation of p-n Junction Photocatalyst NiO/TiO <sub>2</sub> Prepared by Sol-Gel Method. Advanced Materials Research, 2010, 152-153, 441-449.	0.3	1
39	Ionic liquid-controlled synthesis of ZnO microspheres. Journal of Materials Chemistry, 2010, 20, 9798.	6.7	43
40	One-step hydrothermal fabrication and photocatalytic activity of surface-fluorinated TiO <sub>2</sub> hollow microspheres and tabular anatase single micro-crystals with high-energy facets. CrystEngComm, 2010, 12, 872-879.	2.6	241
41	Enhanced photocatalytic activity of silica-embedded TiO2 hollow microspheres prepared by one-pot approach. Journal of Alloys and Compounds, 2010, 493, L1-L7.	5.5	42
42	Bifunctional highly fluorescent hollow porous microspheres made of BaMoO4 : Pr3+ nanocrystals via a template-free synthesis. Journal of Materials Chemistry, 2011, 21, 9009.	6.7	24
43	Rugby-like anatase titania hollow nanoparticles with enhanced photocatalytic activity. CrystEngComm, 2011, 13, 7044.	2.6	43
44	TiO2- and BaTiO3-Assisted Photocatalytic Degradation of Selected Chloroorganic Compounds in Aqueous Medium: Correlation of Reactivity/Orientation Effects of Substituent Groups of the Pollutant Molecule on the Degradation Rate. Journal of Physical Chemistry A, 2011, 115, 460-469.	2.5	57
45	Improved visible-light photocatalytic activity of porous carbon self-doped ZnO nanosheet-assembled flowers. CrystEngComm, 2011, 13, 2533.	2.6	328
46	Photocatalytic Activity of Heterostructures Based on TiO <sub>2</sub> and Halloysite Nanotubes. ACS Applied Materials & Interfaces, 2011, 3, 4154-4158.	8.0	215
47	Synthesis, Characterization and Photocatalytic Property of Magnetic Titania Hollow Sphere Composite. Advanced Materials Research, 0, 298, 188-192.	0.3	0
48	Uniform ZnSe microspheres self-assembled from ZnSe polyhedron shaped nanocrystals. CrystEngComm, 2011, 13, 1518-1524.	2.6	9
49	Hierarchically porous calcined lithium/aluminum layered double hydroxides: Facile synthesis and enhanced adsorption towards fluoride in water. Journal of Materials Chemistry, 2011, 21, 19353.	6.7	91
50	A simple cation exchange approach to Bi-doped ZnS hollow spheres with enhanced UV and visible-light photocatalytic H2-production activity. Journal of Materials Chemistry, 2011, 21, 14655.	6.7	203
51	Preparation, characterisation of p–n heterojunction photocatalyst CuBi <sub>2</sub> O <sub>4</sub> /Bi <sub>2</sub> WO <sub>6</sub> and its photocatalytic activities. Journal of Experimental Nanoscience, 2011, 6, 102-120.	2.4	33
52	Synthesis and Enhanced Visible-Light Photoelectrocatalytic Activity of <i>p</i> â^² <i>n</i> Junction BiOI/TiO <sub>2</sub> Nanotube Arrays. Journal of Physical Chemistry C, 2011, 115, 7339-7346.	3.1	503
53	Facile hydrothermal synthesis and characteristics of B-doped TiO2 hybrid hollow microspheres with higher photo-catalytic activity. Journal of Alloys and Compounds, 2011, 509, 3771-3776.	5.5	63
54	Novel hollow microspheres of hierarchical zinc–aluminum layered double hydroxides and their enhanced adsorption capacity for phosphate in water. Journal of Hazardous Materials, 2011, 192, 1114-1121	12.4	194

ARTICLE IF CITATIONS # Alkaline hydrothermal synthesis of homogeneous titania microspheres with urchin-like 55 12.4 29 nanoarchitectures for dye effluent treatments. Journal of Hazardous Materials, 2011, 194, 338-344. Synthesis of ZnO nanospheres with uniform nanopores by a hydrothermal process. Journal of Physics and Chemistry of Solids, 2011, 72, 1548-1553. Preparation of Ag-TiO2 hollow structures with enhanced photocatalytic activity. Materials Letters, 57 2.6 16 2011, 65, 908-910. Template-free hydrothermal synthesis of macroporous TiO2 microspheres on a large scale. Materials 58 Letters, 2011, 65, 2384-2387. Review on Modified TiO<sub>2</sub>Photocatalysis under UV/Visible Light: Selected Results and Related Mechanisms on Interfacial Charge Carrier Transfer Dynamics. Journal of Physical Chemistry A, 59 2.5 1,703 2011, 115, 13211-13241. Mesoporous titania photocatalysts: preparation, characterization and reaction mechanisms. Journal of Materials Chemistry, 2011, 21, 11686. 6.7 Mechanochemical reaction of TiO2 with Î<sup>2</sup>-alanine for the preparation of visible light active nitrogen 61 doped titania: adsorption and kinetic studies. Journal of Sol-Gel Science and Technology, 2011, 60, 2.4 4 144-158. Hydrothermal growth of multi-facet anatase spheres. Journal of Crystal Growth, 2011, 319, 57-63. 1.5 14 Dye-sensitized solar cells based on double-layered TiO2 composite films and enhanced photovoltaic 63 5.2 117 pérformance. Electrochimica Acta, 2011, 56, 6293-6298. Chitosan templated synthesis of porous metal oxide microspheres with filamentary nanostructures. 64 4.4 Microporous and Mesoporous Materials, 2011, 142, 301-307. A kinetic model based on non-linear regression analysis is proposed for the degradation of phenol 65 4.8 57 under UV/solar light using nitrogen doped TiO2. Journal of Molecular Catalysis A, 2011, 334, 65-76. Synthesis of hierarchical Ni(OH)2 and NiO nanosheets and their adsorption kinetics and isotherms to 343 Congo red in water. Journal of Hazardous Materials, 2011, 185, 889-897. Preparation, characterization and activity evaluation of TiN/F-TiO2 photocatalyst. Journal of 67 12.4 57 Hazardous Materials, 2011, 186, 1560-1567. Synthesis and photo-degradation application of WO3/TiO2 hollow spheres. Journal of Hazardous Materials, 2011, 189, 329-335. 12.4 122 Preparation of Cu2O/TiO2 composite porous carbon microspheres as efficient visible light-responsive 69 4.2 48 photocatalysts. Powder Technology, 2011, 212, 284-288. Electrocatalytic Activity for CO, MeOH, and EtOH Oxidation on the Surface of Pt-Ru Nanoparticles Supported by Metal Oxide. Journal of Nanomaterials, 2011, 2011, 1-8. One-Pot Template-Free Hydrothermal Synthesis of Monoclinic Hollow Microspheres and Their 71 2.517 Enhanced Visible-Light Photocatalytic Activity. International Journal of Photoenergy, 2012, 2012, 1-10. Efficient Sunlight-Induced Methylene Blue Removal over One-Dimensional Mesoporous Monoclinic BiVO<sub>4</sub>Nanorods. Journal of Analytical Methods in Chemistry, 2012, 2012, 1-9.

ARTICLE IF CITATIONS Mesoporous titania: From synthesis to application. Nano Today, 2012, 7, 344-366. 11.9 260 73 Mesoporous Hollow Sphere Titanium Dioxide Photocatalysts through Hydrothermal Silica Etching. 74 8.0 ACS Applied Materials & amp; Interfaces, 2012, 4, 6062-6070. Fluorine ions-mediated morphology control of anatase TiO2 with enhanced photocatalytic activity. 75 2.8 203 Physical Chemistry Chemical Physics, 2012, 14, 5349. Novel preparation method for a new visible light photocatalyst: mesoporous TiO2 supported Ag/AgBr. 101 Journal of Materials Chemistry, 2012, 22, 4847. Novel Highly Active Visible-Light-Induced Photocatalysts Based on BiOBr with Ti Doping and Ag 77 8.0 152 Decorating. ACS Applied Materials & amp; Interfaces, 2012, 4, 4440-4444. The effect of calcination temperature on the microstructure and photocatalytic activity of TiO2-based composite nanotubes prepared by an in situ template dissolution method. Nanoscale, 2012, 5.6 4,6597. Template-Free Fabrication of TiO<sub>2</sub> Hollow Spheres and Their Photocatalytic Properties. 79 8.0 146 ACS Applied Materials & amp; Interfaces, 2012, 4, 860-865. Fabrication and CO2 adsorption performance of bimodal porous silica hollow spheres with 3.6 amine-modified surfaces. RSC Advances, 2012, 2, 6784. Hollow anatase TiO2 porous microspheres with V-shaped channels and exposed (101) facets: 81 6.7 49 Anisotropic etching and photovoltaic properties. Journal of Materials Chemistry, 2012, 22, 6002. Synthesis of hierarchical TiO2 nanotube arrays assembled by anatase single crystal nanoparticles. CrystEngComm, 2012, 14, 7656. CuO/TiO2 nanocrystals grown on graphene as visible-light responsive photocatalytic hybrid 83 1.7 43 materials. Bulletin of Materials Science, 2012, 35, 495-499. Amino acid assisted synthesis of mesoporous TiO2 nanocrystals for high performance dye-sensitized 24 solar cells. Journal of Materials Chemistry, 2012, 22, 10438. Core/Shell Nanoparticles: Classes, Properties, Synthesis Mechanisms, Characterization, and 85 47.7 3,011 Applications. Chemical Reviews, 2012, 112, 2373-2433. Synergistic effect of Ag deposition and nitrogen doping in TiO2 for the degradation of phenol under solar irradiation in presence of electron acceptor. Chemical Engineering Journal, 2012, 181-182, 259-266. 12.7 Size-controlled synthesis of hierarchical NiO hollow microspheres and the adsorption for Congo 87 12.7 15 red in water. Chemical Engineering Journal, 2012, 189-190, 188-195. Fluorinated semiconductor photocatalysts: Tunable synthesis and unique properties. Advances in 14.7 159 Colloid and Interface Science, 2012, 173, 35-53. Synthesis and structural features of mesoporous NiO/TiO2 nanocomposites prepared by sol–gel method for photodegradation of methylene blue dye. Journal of Photochemistry and Photobiology A: 89 3.9 95 Chemistry, 2012, 238, 63-70. Hierarchical architectures TiO2: Pollen-inducted synthesis, remarkable crystalline-phase stability, 90 12.4 tunable size, and reused photo-catalysis. Journal of Hazardous Materials, 2012, 203-204, 363-369.

#	Article	IF	CITATIONS
91	Efficient adsorption and visible-light photocatalytic degradation of tetracycline hydrochloride using mesoporous BiOI microspheres. Journal of Hazardous Materials, 2012, 209-210, 137-145.	12.4	405
92	Hydrothermal conditions on Sn0.95Co0.05O2: nanostructures, ferromagnetism and optical behavior. Journal of Sol-Gel Science and Technology, 2013, 65, 411-419.	2.4	4
93	Mesoporous-shelled CeO2 hollow nanospheres synthesized by a one-pot hydrothermal route and their catalytic performance. CrystEngComm, 2013, 15, 7769.	2.6	44
94	A spontaneous dissolution approach to carbon coated TiO2 hollow composite spheres with enhanced visible photocatalytic performance. Applied Surface Science, 2013, 286, 344-350.	6.1	25
95	Solvothermal synthesis of mesoporous TiO2 microspheres and their excellent photocatalytic performance under simulated sunlight irradiation. Solid State Sciences, 2013, 20, 8-14.	3.2	30
96	Microemulsion-assisted synthesis of hierarchical porous Ni(OH)2/SiO2 composites toward efficient removal of formaldehyde in air. Dalton Transactions, 2013, 42, 10190.	3.3	108
97	Photocatalytic degradation of organic dyes with hierarchical Bi <sub>2</sub> O <sub>2</sub> CO <sub>3</sub> microstructures under visible-light. CrystEngComm, 2013, 15, 231-240.	2.6	117
98	Facile Synthesis, Self-Assembly, and Photoelectrical Performance of SrTiO <sub>3</sub> Hollow Spheres with Open Holes. Langmuir, 2013, 29, 13502-13508.	3.5	9
99	Hydrothermal synthesis of mesostructured ZnO micropyramids with enhanced photocatalytic performance. Superlattices and Microstructures, 2013, 63, 47-57.	3.1	35
100	Formation of CdMoO4 porous hollow nanospheres via a self-assembly accompanied with Ostwald ripening process and their photocatalytic performance. CrystEngComm, 2013, 15, 8014.	2.6	39
101	Bio-inspired synthesis of TiO2 hollow nanospheres in agarose gels. Journal of Alloys and Compounds, 2013, 560, 42-48.	5.5	14
102	Linen fiber template-assisted preparation of TiO2 nanotubes: palladium nanoparticle coating and electrochemical applications. Journal of Solid State Electrochemistry, 2013, 17, 1117-1125.	2.5	16
103	Morphology change and band gap narrowing of hierarchical TiO2 nanostructures induced by fluorine doping. CrystEngComm, 2013, 15, 10657.	2.6	25
104	Rapid synthesis of a TiO2 hollow microsphere assembly from hollow nanoparticles with enhanced photocatalytic activity. RSC Advances, 2013, 3, 15273.	3.6	32
105	Porous TiO2 microspheres with tunable properties for photocatalytic air purification. Ultrasonics Sonochemistry, 2013, 20, 445-451.	8.2	45
106	Photocatalytic degradation of methylene blue dye using Fe2O3/TiO2 nanoparticles prepared by sol–gel method. Journal of Alloys and Compounds, 2013, 553, 19-29.	5.5	278
107	Hierarchical Composite of Ag/AgBr Nanoparticles Supported on Bi <sub>2</sub> MoO <sub>6</sub> Hollow Spheres for Enhanced Visible‣ight Photocatalytic Performance. ChemPlusChem, 2013, 78, 117-123.	2.8	58
108	Three-dimensional sea-urchin-like hierarchical TiO2 microspheres synthesized by a one-pot hydrothermal method and their enhanced photocatalytic activity. Materials Research Bulletin, 2013, 48, 2420-2425.	5.2	33

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109	Liquid–gas boundary catalysis by using gold/polystyrene-coated hollow titania. Journal of Colloid and Interface Science, 2013, 394, 490-497.	9.4	3
110	Enhanced Performance of NaOH-Modified Pt/TiO <sub>2</sub> toward Room Temperature Selective Oxidation of Formaldehyde. Environmental Science & Technology, 2013, 47, 2777-2783.	10.0	355
111	Synthesis of nanostructured copper oxide via oxalate precursors and their sensing properties for hydrogen cyanide gas. Analyst, The, 2013, 138, 1758.	3.5	19
112	Template-assisted hydrothermal synthesis and photocatalytic activity of novel TiO2 hollow nanostructures. Ceramics International, 2013, 39, 4969-4974.	4.8	36
113	Uniform hollow TiO2:Sm3+ spheres: Solvothermal synthesis and luminescence properties. Powder Technology, 2013, 239, 403-408.	4.2	25
114	Preparation of titania hollow particles with independently controlled void size and shell thickness by catalytic templating core–shell polymer particles. Colloid and Polymer Science, 2013, 291, 215-222.	2.1	17
115	Hierarchically porous metastable β-Ag <sub>2</sub> WO <sub>4</sub> hollow nanospheres: controlled synthesis and high photocatalytic activity. Nanotechnology, 2013, 24, 165602.	2.6	72
116	A simple preparation of carbon and nitrogen co-doped nanoscaled TiO2 with exposed {001} facets for enhanced visible-light photocatalytic activity. Journal of Molecular Catalysis A, 2013, 368-369, 38-42.	4.8	49
117	Preparation of micro-nano hollow multiphase ceramic microspheres containing MnFe2O4 absorbent by self-reactive quenching method. Rare Metals, 2013, 32, 592-598.	7.1	3
118	Hierarchically Macro-Mesoporous Pt/ $\hat{I}^3$ -Al2O3 Composite Microspheres for Efficient Formaldehyde Oxidation at Room Temperature. Scientific Reports, 2013, 3, 3215.	3.3	122
119	Synthesis and characterisation of Ni(OH) <sub>2</sub> and NiO nanosheets and their removal properties of azo dyes from aqueous solution. Materials Technology, 2013, 28, 310-315.	3.0	16
120	Photoelectrocatalytic Performances of Nanostructured/Decorated TiO <sub>2</sub> Electrodes: Effect of Wavelength and Cell Configuration. International Journal of Photoenergy, 2013, 2013, 1-10.	2.5	5
121	Effects of Hydrothermal Crystallization on the Morphologies and Photocatalytic Activity of TiO <sub>2</sub> Nanotubes. Advanced Materials Research, 2013, 631-632, 504-510.	0.3	0
122	Preparation of Nd <sup>3+</sup> /TiO <sub>2</sub> /HNTs by Ion Imprinting Technology and its Photodegradation Property on Tetracycline. Applied Mechanics and Materials, 2013, 316-317, 1041-1044.	0.2	3
123	Oneâ€Pot, Templateâ€Free Synthesis of PdPt Singleâ€Crystalline Hollow Cubes with Enhanced Catalytic Activity. Chemistry - an Asian Journal, 2013, 8, 1523-1529.	3.3	9
124	Facile Synthesis of TiO <sub>2</sub> Hollow Spheres with Enhanced Photocatalytic Activity. Advanced Materials Research, 2013, 641-642, 266-269.	0.3	0
125	One-Step Synthesis of TiO <sub><b>2</b></sub> /Perlite Composites by Flame Spray Pyrolysis and Their Photocatalytic Behavior. International Journal of Photoenergy, 2013, 2013, 1-8.	2.5	17
127	Some Strategies in Designing Highly Efficient Photocatalysts for Degradation of Organic Pollutants in Water. ACS Symposium Series, 2014, , 139-160.	0.5	1

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128	Role of Platinum Deposited on TiO <sub>2</sub> in Photocatalytic Methanol Oxidation and Dehydrogenation Reactions. International Journal of Photoenergy, 2014, 2014, 1-9.	2.5	51
129	The effects of citrate ion on morphology and photocatalytic activity of flower-like Bi2O2CO3. Ceramics International, 2014, 40, 2343-2348.	4.8	26
130	TiO2 hollow microspheres: synthesis, photocatalytic activity, and selectivity for a mixture of organic dyes. Monatshefte Für Chemie, 2014, 145, 29-37.	1.8	12
131	Template-free synthesis of uniform TiO2 mesoporous microspheres with enhanced photocatalytic activity. Materials Letters, 2014, 118, 192-195.	2.6	14
132	TiO2 microspheres with variable morphology, size and density synthesized by a facile emulsion-mediated hydrothermal process. Materials Letters, 2014, 123, 135-137.	2.6	10
133	Low temperature synthesis and photocatalytic properties of mesoporous TiO2 nanospheres. Journal of Alloys and Compounds, 2014, 591, 52-57.	5.5	32
134	Effects of size and shell thickness of TiO2 hierarchical hollow spheres on photocatalytic behavior: An experimental and theoretical study. Applied Catalysis B: Environmental, 2014, 147, 499-507.	20.2	48
135	Mesoporous silica-assisted carbon free Li <sub>2</sub> MnSiO <sub>4</sub> cathode nanoparticles for high capacity Li rechargeable batteries. Physical Chemistry Chemical Physics, 2014, 16, 2085-2089.	2.8	16
137	Controllable synthesis of Ni/SiO <sub>2</sub> hollow spheres and their excellent catalytic performance in 4-nitrophenol reduction. Dalton Transactions, 2014, 43, 16911-16918.	3.3	61
138	High adsorption and efficient visible-light-photodegradation for cationic Rhodamine B with microspheric BiOI photocatalyst. RSC Advances, 2014, 4, 42530-42537.	3.6	39
139	Review of the progress in preparing nano TiO2: An important environmental engineering material. Journal of Environmental Sciences, 2014, 26, 2139-2177.	6.1	202
140	A low-temperature and one-step method for fabricating ZnIn <sub>2</sub> S <sub>4</sub> –GR nanocomposites with enhanced visible light photoactivity. Journal of Materials Chemistry A, 2014, 2, 14401.	10.3	94
141	A facile synthesis of single crystal TiO2 nanorods with reactive {100} facets and their enhanced photocatalytic activity. CrystEngComm, 2014, 16, 3091.	2.6	25
142	An innovative glycine complexing approach to silver phosphate myriapods with improved photocatalytic activity. CrystEngComm, 2014, 16, 9326-9330.	2.6	11
143	Fabrication of TiO2rod in tube nanostructure with enhanced photocatalytic activity: investigation of the effect of the states of the precursor on morphology. RSC Advances, 2014, 4, 36708.	3.6	8
144	Fabrication of Mono-dispersed Hollow Titania Nanospheres with Enhanced Photocatalytic Property. Rare Metal Materials and Engineering, 2014, 43, 1324-1328.	0.8	0
145	Fabrication and photoactivity of a tunable-void SiO <sub>2</sub> –TiO <sub>2</sub> core–shell structure on modified SiO <sub>2</sub> nanospheres by grafting an amphiphilic diblock copolymer using ARGET ATRP. Soft Matter, 2014, 10, 1110-1120.	2.7	22
146	MgO:Dy3+ nanophosphor: Self ignition route, characterization and its photoluminescence properties. Materials Characterization, 2014, 97, 27-36.	4.4	58

#	Article	IF	CITATIONS
147	Three-Dimensional Titanium Dioxide Nanomaterials. Chemical Reviews, 2014, 114, 9487-9558.	47.7	349
148	Hollow γ-Al2O3 microspheres as highly "active―supports for Au nanoparticle catalysts in CO oxidation. Gold Bulletin, 2014, 47, 95-101.	2.4	16
149	Preparation of rare earth metal ion/TiO2Hal-conducting polymers by ions imprinting technique and its photodegradation property on tetracycline. Applied Clay Science, 2014, 99, 125-130.	5.2	9
150	Microwave-Assisted Fabrication of Nanoparticulate TiO <sub>2</sub> Microspheres for Synergistic Photocatalytic Removal of Cr(VI) and Methyl Orange. ACS Applied Materials & Interfaces, 2014, 6, 3008-3015.	8.0	147
151	Review on modified N–TiO <sub>2</sub> for green energy applications under UV/visible light: selected results and reaction mechanisms. RSC Advances, 2014, 4, 28265-28299.	3.6	136
152	One-pot synthesis of novel Ag–AgBr@HHSS with superior visible photocatalytic activity. Microporous and Mesoporous Materials, 2014, 194, 66-71.	4.4	9
153	Hydrogen peroxide assisted rapid synthesis of TiO2 hollow microspheres with enhanced photocatalytic activity. Applied Catalysis B: Environmental, 2014, 147, 789-795.	20.2	40
154	Fabrication of porous ZrO2 hollow sphere and its adsorption performance to Congo red in water. Ceramics International, 2014, 40, 10847-10856.	4.8	85
155	Facile synthesis of porous microspheres composed of TiO2 nanorods with high photocatalytic activity for hydrogen production. Applied Catalysis B: Environmental, 2014, 148-149, 281-287.	20.2	60
156	Hierarchically Structured Microspheres for High-Efficiency Rutile TiO <sub>2</sub> -Based Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2014, 6, 2893-2901.	8.0	63
157	Fabrication of TiO2 hollow microspheres by ammonia-induced self-transformation. Journal of Alloys and Compounds, 2014, 612, 69-73.	5.5	13
158	Hierarchically porous YSZ hollow spheres with ultralow thermal conductivity. Materials Research Bulletin, 2014, 57, 79-84.	5.2	6
159	Synthesis and formation mechanism of flowerlike architectures assembled from ultrathin NiO nanoflakes and their adsorption to malachite green and acid red in water. Chemical Engineering Journal, 2014, 239, 141-148.	12.7	71
161	A General Synthesis Strategy for Hierarchical Porous Metal Oxide Hollow Spheres. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	5
162	Enhanced photocatalytic hydrogen evolution efficiency using hollow microspheres of (Culn) <sub>x</sub> Zn <sub>2(1â^'x)</sub> S <sub>2</sub> solid solutions. Dalton Transactions, 2015, 44, 10991-10996.	3.3	9
163	Efficient Mesoporous Semiconductor Materials for Environmental Applications. Handbook of Environmental Chemistry, 2015, , 221-266.	0.4	0
164	Preparation of hollow core/shell CeO2@TiO2 with enhanced photocatalytic performance. Journal of Materials Science, 2015, 50, 5228-5237.	3.7	19
165	High-efficiency dye-sensitized solar cells based on electrospun TiO2 multi-layered composite film photoanodes. Energy, 2015, 86, 196-203.	8.8	56

#	Article	IF	CITATIONS
166	Synthetic strategies to nanostructured photocatalysts for CO <sub>2</sub> reduction to solar fuels and chemicals. Journal of Materials Chemistry A, 2015, 3, 14487-14516.	10.3	152
167	Tailored Synthesis of Porous TiO <sub>2</sub> Nanocubes and Nanoparallelepipeds with Exposed {111} Facets and Mesoscopic Void Space: A Superior Candidate for Efficient Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2015, 7, 26022-26035.	8.0	36
168	Luminescent hollow CaWO <sub>4</sub> microspheres: template-free synthesis, characterization and application in drug delivery. RSC Advances, 2015, 5, 104172-104178.	3.6	8
169	Fabrication of TiO2 hollow microspheres using K3PW12O40 as template. Chinese Journal of Catalysis, 2015, 36, 2237-2243.	14.0	13
170	Facile template-induced synthesis of Ag-modified TiO2 hollow octahedra with high photocatalytic activity. Chinese Journal of Catalysis, 2015, 36, 1211-2218.	14.0	46
171	Cost effective and shape controlled approach to synthesize hierarchically assembled NiO nanoflakes for the removal of toxic heavy metal ions in aqueous solution. Bulletin of Materials Science, 2015, 38, 271-282.	1.7	5
172	Fabrication of TiO <sub>2</sub> nanotubes-assembled hierarchical microspheres with enhanced photocatalytic degradation activity. New Journal of Chemistry, 2015, 39, 4766-4773.	2.8	18
173	Green synthesis of the reduced graphene oxide–Cul quasi-shell–core nanocomposite: A highly efficient and stable solar-light-induced catalyst for organic dye degradation in water. Applied Surface Science, 2015, 358, 159-167.	6.1	48
174	Ag decorated 3D urchin-like TiO2 microstructures synthesized via a one-step solvothermal method and their photocatalytic activity. Journal of Alloys and Compounds, 2015, 648, 22-28.	5.5	16
175	Graphene-based hollow TiO2 composites with enhanced photocatalytic activity for removal of pollutants. Journal of Physics and Chemistry of Solids, 2015, 86, 82-89.	4.0	62
176	A facile method to prepare mesoporous anatase TiO 2 materials in water at lower temperatures. Materials Research Bulletin, 2015, 67, 140-145.	5.2	6
177	Fabrication of chain-like TiO2 hollow microspheres with enhanced photocatalytic activity. Ceramics International, 2015, 41, 7937-7943.	4.8	9
178	Amine-Functionalized Titanate Nanosheet-Assembled Yolk@Shell Microspheres for Efficient Cocatalyst-Free Visible-Light Photocatalytic CO <sub>2</sub> Reduction. ACS Applied Materials & Interfaces, 2015, 7, 8166-8175.	8.0	128
179	Preparation, Characterization and Growth Mechanism of Dandelion-like TiO2 Nanostructures and their Application in Photocatalysis towards Reduction of Cr(VI). Materials Today: Proceedings, 2015, 2, 3973-3987.	1.8	19
180	Hierarchical ZnO hollow microspheres with exposed (001) facets as promising catalysts for the thermal decomposition of ammonium perchlorate. CrystEngComm, 2015, 17, 8689-8696.	2.6	26
181	Suspension Plasma Spray Fabrication of Nanocrystalline Titania Hollow Microspheres for Photocatalytic Applications. Journal of Thermal Spray Technology, 2015, 24, 1213-1220.	3.1	13
182	Macro-/mesoporous titania thin films: analysing the effect of pore architecture on photocatalytic activity using high-throughput screening. Journal of Materials Chemistry A, 2015, 3, 24557-24567.	10.3	21
183	Facile fabrication of urchin-like hollow boehmite and alumina microspheres with a hierarchical structure via Triton X-100 assisted hydrothermal synthesis. CrystEngComm, 2015, 17, 1318-1325.	2.6	42

#	Article	IF	CITATIONS
184	Synthesis and Characterization of Uniform Spherical Nanoporous TiO <sub>2</sub> Aerogel Templated by Cellulose Alcohol-Gel with Enhanced Photocatalytic Activity. International Journal of Polymer Science, 2016, 2016, 1-8.	2.7	5
185	Sequential growth of rutile TiO 2 nanorods and anatase TiO 2 nanoparticles on TiO 2 /SiO 2 template spheres. Materials Chemistry and Physics, 2016, 174, 81-90.	4.0	9
186	Inside-out Ostwald ripening: A facile process towards synthesizing anatase TiO2 microspheres for high-efficiency dye-sensitized solar cells. Nano Research, 2016, 9, 1891-1903.	10.4	30
187	Preparation and characterization of hollow TiO 2 microspheres by the interfacial reaction method. Materials Letters, 2016, 175, 177-179.	2.6	1
188	Synthesis and NOx sensing evaluation of hollow/porous La0.8Sr0.2MnO3 microspheres. RSC Advances, 2016, 6, 53919-53924.	3.6	1
189	Synchronous synthesis/modification of multifunctional hollow silica nanospheres through selective etching and application in catalysis. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 509, 648-655.	4.7	4
190	Different hollow and spherical TiO2 morphologies have distinct activities for the photocatalytic inactivation of chemical and biological agents. Photochemical and Photobiological Sciences, 2016, 15, 988-994.	2.9	18
191	Structure and photocatalytic properties of materials based on titanium dioxide and silver nanoparticles. Russian Journal of General Chemistry, 2016, 86, 792-797.	0.8	4
192	Electrospinning Directly Synthesized Porous TiO <sub>2</sub> Nanofibers Modified by Graphitic Carbon Nitride Sheets for Enhanced Photocatalytic Degradation Activity under Solar Light Irradiation. Langmuir, 2016, 32, 6163-6175.	3.5	65
193	Photocatalytic activity of porous multiwalled carbon nanotube-TiO2 composite layers for pollutant degradation. Journal of Hazardous Materials, 2016, 317, 52-59.	12.4	88
194	Facile microwave assisted synthesis of floral-shaped BiVO4 nano particles for their photocatalytic and photoelectrochemical performances. Journal of Materials Science: Materials in Electronics, 2016, 27, 1433-1443.	2.2	10
195	Fabrication of titania nanostructures using core–shell polymer nanofibers from block copolymers as templates. Nano Structures Nano Objects, 2016, 6, 14-22.	3.5	12
196	A simple route to synthesize mesoporous titania from TiOSO 4 : Influence of the synthesis conditions on the structural, pigments and photocatalytic properties. Applied Surface Science, 2016, 376, 227-235.	6.1	20
197	Template-free synthesis of hierarchical TiO 2 hollow microspheres as scattering layer for dye-sensitized solar cells. Applied Surface Science, 2016, 369, 170-177.	6.1	34
198	Novel template free synthetic strategy to single crystalline multishelled hollow nanospheroids of titania with boosted application potential. RSC Advances, 2016, 6, 24210-24217.	3.6	5
199	Hierarchical photocatalysts. Chemical Society Reviews, 2016, 45, 2603-2636.	38.1	1,517
200	Facile synthesis of α-Fe2O3@ porous hollow yeast-based carbonaceous microspheres for fluorescent whitening agent-VBL wastewater treatment. Journal of Solid State Chemistry, 2016, 235, 119-124.	2.9	12
201	TiO <sub>2</sub> /CdS porous hollow microspheres rapidly synthesized by salt-assistant aerosol decomposition method for excellent photocatalytic hydrogen evolution performance. Dalton Transactions, 2016, 45, 1160-1165.	3.3	26

#	Article	IF	Citations
202	Design and fabrication of microsphere photocatalysts for environmental purification and energy conversion. Chemical Engineering Journal, 2016, 287, 117-129.	12.7	180
203	Selective basic etching of bifunctional core–shell composite particles for the fabrication of organic functionalized hollow mesoporous silica nanospheres. New Journal of Chemistry, 2016, 40, 825-831.	2.8	11
204	A review on g-C 3 N 4 -based photocatalysts. Applied Surface Science, 2017, 391, 72-123.	6.1	2,318
205	The effects of growth conditions on the surface properties and photocatalytic activities of anatase TiO2 films prepared via electrochemical anodizing and annealing methods. Journal of Porous Materials, 2017, 24, 1535-1544.	2.6	10
206	Mesoporous TiO <sub>2</sub> /graphene composite films for the photocatalytic degradation of eco-persistent pollutants. Proceedings of SPIE, 2017, , .	0.8	2
207	Three-dimensional assembly structure of anatase TiO2 hollow microspheres with enhanced photocatalytic performance. Results in Physics, 2017, 7, 1590-1594.	4.1	5
208	Effect of W doping level on TiO2 on the photocatalytic degradation of Diuron. Water Science and Technology, 2017, 75, 20-27.	2.5	11
209	Improvement in light harvesting and device performance of dye sensitized solar cells using electrophoretic deposited hollow TiO2 NPs scattering layer. Solar Energy Materials and Solar Cells, 2017, 161, 255-262.	6.2	30
210	Hydrophilic, mesoporous structural ZnO nanospheres for pH-triggered release of drug. Materials Letters, 2017, 188, 165-168.	2.6	9
211	Titania hollow spheres modified with tungstophosphoric acid with enhanced visible light absorption for the photodegradation of 4-chlorophenol. Photochemical and Photobiological Sciences, 2017, 16, 46-52.	2.9	3
212	One-step formation of TiO2hollow spheres via a facile microwave-assisted process for photocatalytic activity. Nanotechnology, 2018, 29, 145707.	2.6	29
213	Template-free synthesis of three-dimensional porous CdS/TiO2 with high stability and excellent visible photocatalytic activity. Materials Chemistry and Physics, 2018, 212, 69-77.	4.0	40
214	Core-shell structured mZVI/Ca(OH)2 particle: Morphology, aggregation and corrosion. Journal of Colloid and Interface Science, 2018, 510, 199-206.	9.4	6
215	One-pot synthesis of oleic acid modified monodispersed mesoporous TiO2 nanospheres with enhanced visible light photocatalytic performance. Advanced Powder Technology, 2018, 29, 1925-1932.	4.1	14
216	Heterostructured Fe2O3@SnO2 core–shell nanospindles for enhanced Room-temperature HCHO oxidation. Applied Surface Science, 2018, 457, 83-92.	6.1	29
217	A comparative study on mesoporous and commercial TiO2 photocatalysts for photodegradation of organic pollutants. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 367, 66-73.	3.9	75
218	TiO2 decorated functionalized halloysite nanotubes (TiO2@HNTs) and photocatalytic PVC membranes synthesis, characterization and its application in water treatment. Scientific Reports, 2019, 9, 4345.	3.3	83
219	Cocatalysts for Selective Photoreduction of CO <sub>2</sub> into Solar Fuels. Chemical Reviews, 2019, 119, 3962-4179.	47.7	1,591

#	Article	IF	CITATIONS
220	Formation of TiO2 hollow spheres through nanoscale Kirkendall effect and their lithium storage and photocatalytic properties. Chemical Physics, 2019, 517, 222-227.	1.9	19
221	Structural, optical, physio-chemical properties and photodegradation study of methylene blue using pure and iron-doped anatase titania nanoparticles under solar-light irradiation. Journal of Materials Science: Materials in Electronics, 2019, 30, 3244-3256.	2.2	14
222	Recyclable MoO <sub>3</sub> nanobelts for photocatalytic degradation of Rhodamine B by near infrared irradiation. International Journal of Chemical Kinetics, 2019, 51, 3-13.	1.6	18
223	Production of Si <sub>3</sub> N <sub>4</sub> porous beads via carbothermal reduction and nitridation technique. Journal of Asian Ceramic Societies, 2020, 8, 1197-1205.	2.3	3
224	Review of the development of copper oxides with titanium dioxide thin-film solar cells. AIP Advances, 2020, 10, .	1.3	54
225	Hierarchical porous photocatalysts. Interface Science and Technology, 2020, , 63-102.	3.3	4
226	Structure-related luminescent properties induced by doping in Sm-doped SnO2 hollow spheres. Ceramics International, 2020, 46, 17025-17033.	4.8	10
227	Hollow 3D TiO2 sub-microspheres as an electron transporting layer for highly efficient perovskite solar cells. Materials Today Energy, 2021, 19, 100614.	4.7	12
228	Differential Selective Etching of Functional Groups Strategy for Preparation of Organic Hollow Porous Silica. E3S Web of Conferences, 2021, 252, 02051.	0.5	0
229	Dual role of activated carbon as fuel and template for solution combustion synthesis of porous zinc oxide powders. Journal of the American Ceramic Society, 2021, 104, 4624-4636.	3.8	2
230	Surface modification, adsorption behavior, and optical properties of α-Fe2O3@SiO2/Au core-shell ellipsoids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 625, 126888.	4.7	4
231	Effect of the sintering temperature on the fabrication of alumina beads. Material Science Research India, 2019, 16, 125-135.	0.7	4
232	Quantum-Size Effect and Exciton Percolation in Porous and Disordered Films on the Basis of Spherical "Core/Shell―Elements. Ukrainian Journal of Physics, 2015, 60, 648-655.	0.2	1
233	Effect of Si Doping on the Microstructure and Photocatalytic Performance of TiO <sub>2</sub> Hollow Microspheres. Chinese Journal of Catalysis, 2011, 32, 286-292.	14.0	1
234	Facile Synthesis of ZnO Nanoparticles and Their Photocatalytic Activity. Bulletin of the Korean Chemical Society, 2014, 35, 2004-2008.	1.9	4
235	Electrocatalytic activity of the bimetallic Pt-Ru catalysts doped TiO2-hollow sphere nanocomposites. Analytical Science and Technology, 2013, 26, 42-50.	0.3	2
236	Effect of ACF and WO <sub>3</sub> from ACF/WO <sub>3</sub> /TiO <sub>2</sub> Composite Catalysts on the Photocatalytic Degradation of MO Under Visible Light. Journal of the Korean Ceramic Society, 2011, 48, 282-287.	2.3	0
237	Synthesis of Vanadium-mesoporous Hollow Spheres. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2012, 27, 699-705.	1.3	0

#	Article	IF	CITATIONS
238	Facile fabrication of SrAl2O4:Eu2+, Dy3+ hollow microsphere by a chemical induction self-transformation process. Ceramics International, 2020, 46, 10807-10813.	4.8	5
239	Fabrication and Photocatalytic Activity of TiO <sub>2</sub> Hollow Structures using One-pot Wet Chemical Process. Journal of Korean Powder Metallurgy Institute, 2020, 27, 132-138.	0.3	0
240	Generalized Analysis Approach of the Profile Roughness by Electron Microscopy with the Example of Hierarchically Grown Polystyrene–Iron Oxide–Silica Core–Shell–Shell Particles. Advanced Engineering Materials, 2022, 24, .	3.5	5
241	Effect of surface hydroxyls and porous nanostructured sensors integrated for SERS monitoring and efficient removal of organic pollutants. Applied Surface Science, 2022, 601, 154123.	6.1	7
242	Reusable Fe2O3/TiO2/PVC Photocatalysts for the Removal of Methylene Blue in the Presence of Simulated Solar Radiation. Nanomaterials, 2023, 13, 460.	4.1	2
243	New Eco-Friendly and Low-Energy Synthesis to Produce ZnO Nanoparticles for Real-World Scale Applications. Nanomaterials, 2023, 13, 2458.	4.1	2
244	Photocatalytic Epoxy Paint Based on TiO <sub>2</sub> for the Decontamination of Water under Visible LED and Sunlight Irradiation. ChemistrySelect, 2024, 9, .	1.5	0