

# CITATION REPORT

List of articles citing

Colloidal carbon spheres and their core/shell structures with noble-metal nanoparticles

DOI: 10.1002/anie.200352386

Angewandte Chemie - International Edition, 2004, 43, 597-60

**Source:** <https://exaly.com/paper-pdf/37091153/citation-report.pdf>

**Version:** 2024-04-24

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1905	Facile Fabrication of Nickel Oxide Hollow Spheres and Amorphous Carbon/Nickel Nanoparticles Composites Using Colloidal Carbonaceous Microspheres as Template. <b>2005</b> , 34, 1174-1175		13
1904	A New Strategy to Synthesize TiO <sub>2</sub> -hollow Spheres Using Carbon Spheres as Template. <b>2005</b> , 34, 840-841		51
1903	Hollow carbonaceous capsules from glucose solution. <b>2005</b> , 291, 7-12		132
1902	Preparation of colloidal microporous carbon spheres from furfuryl alcohol. <b>2005</b> , 43, 1709-1715		77
1901	Synthesis of red-luminescent Eu <sup>3+</sup> -doped lanthanides compounds hollow spheres. <b>2005</b> , 40, 911-919		38
1900	Preparation of carbon micro-spheres by hydrothermal treatment of methylcellulose sol. <b>2005</b> , 59, 3738-3741		49
1899	Self-Assembly and Fluorescent Modification of Hydroxyapatite Nanoribbon Spherulites. <b>2005</b> , 2005, 4145-4149		43
1898	Monodisperse magnetic single-crystal ferrite microspheres. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 2782-2785	16.4	1475
1897	Tungsten carbide microspheres as a noble-metal-economic electrocatalyst for methanol oxidation. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 6557-60	16.4	239
1896	Monodisperse Magnetic Single-Crystal Ferrite Microspheres. <b>2005</b> , 117, 2842-2845		512
1895	Tungsten Carbide Microspheres as a Noble-Metal-Economic Electrocatalyst for Methanol Oxidation. <b>2005</b> , 117, 6715-6718		25
1894	Cobalt-Carbon Spheres: Pyrolysis of Dicobalthexacarbonyl-Functionalized Poly(p-phenyleneethynylene)s. <b>2005</b> , 17, 1052-1055		44
1893	Cylindrical Silver Nanowires: Preparation, Structure, and Optical Properties. <b>2005</b> , 17, 2626-2630		148
1892	Microgranules and Nanoparticles on Their Surfaces. <b>2005</b> , 41, 1017-1032		34
1891	A general chemical conversion method to various semiconductor hollow structures. <b>2005</b> , 1, 216-21		77
1890	Self-assembly of ordered 3D Pd nanospheres at a liquid/liquid interface. <b>2005</b> , 109, 1108-12		43
1889	Olivary particles: unique carbon microstructure synthesized by catalytic pyrolysis of acetone. <b>2005</b> , 109, 15272-7		25

1888	CTAB-assisted hydrothermal synthesis of Ag/C nanostructures. <b>2006</b> , 17, 3008-3011	42
1887	Templated assembly of gold nanoparticles into microscale tubules and their application in surface-enhanced Raman scattering. <b>2006</b> , 110, 14179-85	32
1886	Large scale synthesis of uniform silver@carbon rich composite (carbon and cross-linked PVA) sub-microcables by a facile green chemistry carbonization approach. <b>2006</b> , 793-5	51
1885	Large-scale fabrication of silicon carbide hollow spheres. <b>2006</b> , 16, 4141	43
1884	Synthesis of surface-functionalized t-Se microspheres via a green wet-chemical route. <b>2006</b> , 16, 748-751	18
1883	Nearly Monodisperse Cu <sub>2</sub> O and CuO Nanospheres: Preparation and Applications for Sensitive Gas Sensors. <b>2006</b> , 18, 867-871	966
1882	A solution phase fabrication of magnetic nanoparticles encapsulated in carbon. <b>2006</b> , 17, 4307-4311	63
1881	Oxides@C Core@Shell Nanostructures: One-Pot Synthesis, Rational Conversion, and Li Storage Property. <b>2006</b> , 18, 3486-3494	222
1880	Kinetic effects of hydrogen bonds on proton-coupled electron transfer from phenols. <b>2006</b> , 128, 13076-83	137
1879	Heterostructures with ZnSe sheaths coating on carbon submicrotubes: preparation, characterization, and formation mechanism. <b>2006</b> , 110, 14186-91	8
1878	Synthesis of Uniform [email protected] Composite Nanocables with Photoluminescence Properties and Carbonaceous Nanofibers by the Hydrothermal Carbonization of Glucose. <b>2006</b> , 18, 2102-2108	241
1877	Three-dimensionally Ordered Array of Nanoporous Starburst Carbon Spheres. <b>2006</b> , 35, 1436-1437	13
1876	Structural effects of iron oxide nanoparticles and iron ions on the hydrothermal carbonization of starch and rice carbohydrates. <b>2006</b> , 2, 756-9	215
1875	Hollow porous carbon microspheres obtained by the pyrolysis of TiO <sub>2</sub> /poly(furfuryl alcohol) composite precursors. <b>2006</b> , 44, 2869-2876	56
1874	Synthesis and characteristics of carbon encapsulated magnetic nanoparticles produced by a hydrothermal reaction. <b>2006</b> , 44, 3277-3284	100
1873	Preparation of platinumized strontium titanate covered with hollow silica and its activity for overall water splitting in a novel phase-boundary photocatalytic system. <b>2006</b> , 117, 343-349	37
1872	Large-scale synthesis of carbon spheres by reduction of supercritical CO <sub>2</sub> with metallic calcium. <b>2006</b> , 421, 584-588	24
1871	Preparation and gas sensing properties of vanadium oxide nanobelts coated with semiconductor oxides. <b>2006</b> , 115, 481-487	78

1870	Microwave-assisted synthesis of a superparamagnetic surface-functionalized porous Fe <sub>3</sub> O <sub>4</sub> /C nanocomposite. <b>2006</b> , 1, 605-10		33
1869	Graphitic spherical carbon as a support for a PtRu-alloy catalyst in the methanol electro-oxidation. <b>2006</b> , 112, 213-218		36
1868	Preparation of SnO <sub>2</sub> hollow nanospheres by a solvothermal method. <b>2006</b> , 41, 5696-5698		10
1867	Sucrose-derived graphitic porous carbon replicated by mesoporous silica. <b>2006</b> , 23, 1063-1066		9
1866	Formation of transition-metal sulfide microspheres or microtubes. <b>2006</b> , 100, 224-229		14
1865	Preparation of oxide hollow spheres by colloidal carbon spheres. <b>2006</b> , 60, 2991-2993		60
1864	Synthesis and characterization of a novel magnetic carrier with its composition of Fe <sub>3</sub> O <sub>4</sub> /carbon using hydrothermal reaction. <b>2006</b> , 302, 397-404		145
1863	Synthesis and characterization of core-shell selenium/carbon colloids and hollow carbon capsules. <b>2005</b> , 12, 548-52		62
1862	Use of carbonaceous polysaccharide microspheres as templates for fabricating metal oxide hollow spheres. <b>2006</b> , 12, 2039-47		406
1861	Ligand-free platinum nanoparticles encapsulated in a hollow porous carbon shell as a highly active heterogeneous hydrogenation catalyst. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 7063-6	16.4	309
1860	Phenolic Resin and Derived Carbon Hollow Spheres. <b>2006</b> , 207, 1633-1639		41
1859	Ligand-Free Platinum Nanoparticles Encapsulated in a Hollow Porous Carbon Shell as a Highly Active Heterogeneous Hydrogenation Catalyst. <b>2006</b> , 118, 7221-7224		116
1858	Electrochemical Properties of Disordered-Carbon-Coated SnO <sub>2</sub> Nanoparticles for Li Rechargeable Batteries. <b>2006</b> , 9, A408		66
1857	Carbon Nanospheres for Biomedical Applications. <b>2007</b> , 1064, 8071		1
1856	Carbon Nanospheres: Green Synthesis, Characterization, and Growth Kinetics. <b>2007</b> , 1054, 41		2
1855	Facile Fabrication of Spindle-shaped Fe <sub>3</sub> O <sub>4</sub> /PAN-amidhydrazone/Ag Core-Shell Particles in Organic Solvent. <b>2007</b> , 41, 1901-1912		
1854	Synthesis and Photoluminescent Properties of Strontium Tungstate Nanostructures. <b>2007</b> , 111, 532-537		80
1853	A new approach to synthesize uniform metal oxide hollow nanospheres via controlled precipitation. <b>2007</b> , 18, 355602		120

1852	A facile method to fabricate carbon-encapsulated Fe(3)O(4) core/shell composites. <b>2007</b> , 18, 035602	148
1851	Multilayered Nanocrystalline SnO <sub>2</sub> Hollow Microspheres Synthesized by Chemically Induced Self-Assembly in the Hydrothermal Environment. <b>2007</b> , 111, 14067-14071	179
1850	A facile route to carbon-coated nickel-based metal nanoparticles. <b>2007</b> , 17, 2301	60
1849	Size-selective photocatalytic reactions by titanium(IV) oxide coated with a hollow silica shell in aqueous solutions. <b>2007</b> , 9, 6319-26	34
1848	To adjust wetting properties of organic surface by in situ photoreaction of aromatic azide. <b>2007</b> , 23, 1253-7	27
1847	PVA-Assisted Hydrothermal Synthesis of Copper@Carbonaceous Submicrocables: Thermal Stability, and Their Conversion into Amorphous Carbonaceous Submicrotubes. <b>2007</b> , 111, 2490-2496	46
1846	Fabrication of Novel Palladium Microstructures through Self-Assembly. <b>2007</b> , 7, 187-190	14
1845	Facile Decoring Route to Carbon Nano Test Tubes. <b>2007</b> , 111, 5830-5834	13
1844	Synthesis of Single-Crystalline Hollow Octahedral NiO. <b>2007</b> , 7, 2415-2418	73
1843	Back in the black: hydrothermal carbonization of plant material as an efficient chemical process to treat the CO <sub>2</sub> problem?. <b>2007</b> , 31, 787	361
1842	Preparation and Characterization of ZnO Hollow Spheres and ZnO@Carbon Composite Materials Using Colloidal Carbon Spheres as Templates. <b>2007</b> , 111, 6706-6712	151
1841	Interface-mediated growth of monodispersed nanostructures. <b>2007</b> , 40, 635-43	146
1840	Synthetic Route to Nanocomposites Made Up of Inorganic Nanoparticles Confined within a Hollow Mesoporous Carbon Shell. <b>2007</b> , 19, 5418-5423	94
1839	Hybrid "Golden Fleece" Synthesis and Catalytic Performance of Uniform Carbon Nanofibers and Silica Nanotubes Embedded with a High Population of Noble-Metal Nanoparticles. <b>2007</b> , 17, 637-643	87
1838	Facile Synthesis of Nanostructured Carbon through Self-Assembly between Block Copolymers and Carbohydrates. <b>2007</b> , 17, 2710-2716	48
1837	Carbon-Decorated FePt Nanoparticles. <b>2007</b> , 17, 1392-1396	30
1836	Interfacial Effect on Dielectric Properties of Polymer Nanocomposites Filled with Core/Shell-Structured Particles. <b>2007</b> , 17, 2405-2410	247
1835	One-step synthesis of new mesoporous carbon nanofibers through an easy template method. <b>2007</b> , 45, 1111-1113	27

1834	Preparation of a water-dispersible carbon/silica composite derived from a silylated molecular precursor. <b>2007</b> , 45, 1108-1111	2
1833	Solution route to single crystalline dendritic cobalt nanostructures coated with carbon shells. <b>2007</b> , 45, 1160-1166	29
1832	Low-temperature solution synthesis of carbon nanoparticles, onions and nanoropes by the assembly of aromatic molecules. <b>2007</b> , 45, 2209-2216	34
1831	Net-structured NiO/C nanocomposite as Li-intercalation electrode material. <b>2007</b> , 9, 1180-1184	136
1830	Spherical NiO-C composite for anode material of lithium ion batteries. <b>2007</b> , 52, 4177-4181	143
1829	Carbon encapsulated magnetic nanoparticles produced by hydrothermal reaction. <b>2007</b> , 18, 487-490	9
1828	Methanol and ethanol electrooxidation on Pt and Pd supported on carbon microspheres in alkaline media. <b>2007</b> , 9, 997-1001	439
1827	Saccharide-based graphitic carbon nanocoils as supports for PtRu nanoparticles for methanol electrooxidation. <b>2007</b> , 171, 546-551	62
1826	Highly sensitive gas sensors based on hollow SnO <sub>2</sub> spheres prepared by carbon sphere template method. <b>2007</b> , 120, 508-513	114
1825	Shell-by-shell synthesis of tin oxide hollow colloids with nanoarchitected walls: cavity size tuning and functionalization. <b>2007</b> , 3, 261-5	269
1824	Bonelike apatite formation on carbon microspheres. <b>2007</b> , 61, 2502-2505	18
1823	Low-temperature synthesis of nanosized disordered carbon spheres as an anode material for lithium ion batteries. <b>2007</b> , 61, 4199-4203	64
1822	Synthesis and electrochemical performances of amorphous carbon-coated SnSb particles as anode material for lithium-ion batteries. <b>2007</b> , 180, 3360-3365	34
1821	Direct synthesis of silver/polymer/carbon nanocables via a simple hydrothermal route. <b>2008</b> , 181, 2359-2363	18
1820	The effect of fructose derived carbon shells on the plasmon resonance and stability of silver nanoparticles. <b>2008</b> , 286, 1545-1552	11
1819	Constructing carbon-nanotube/metal hybrid nanostructures using homogeneous TiO <sub>2</sub> as a spacer. <b>2008</b> , 4, 1133-8	44
1818	Char and Coke Formation as Unwanted Side Reaction of the Hydrothermal Biomass Gasification. <b>2008</b> , 31, 1561-1568	105
1817	Synthesis of Manganese Oxide Hollow Urchins with a Reactive Template of Carbon Spheres. <b>2008</b> , 2008, 3827-3832	25

1816	Hollow spheres to nanocups: tuning the morphology and magnetic properties of single-crystalline alpha-Fe <sub>2</sub> O <sub>3</sub> nanostructures. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 7685-8	16.4	85
1815	Template Synthesis of Aligned Carbon Nanotube Arrays using Glucose as a Carbon Source: Pt Decoration of Inner and Outer Nanotube Surfaces for Fuel-Cell Catalysts. <b>2008</b> , 18, 959-964		143
1814	Biocompatible, Luminescent Silver@Phenol Formaldehyde Resin Core/Shell Nanospheres: Large-Scale Synthesis and Application for In Vivo Bioimaging. <b>2008</b> , 18, 872-879		136
1813	Nanoarchitecturing of Activated Carbon: Facile Strategy for Chemical Functionalization of the Surface of Activated Carbon. <b>2008</b> , 18, 3613-3619		74
1812	Carbon Coated Fe <sub>3</sub> O <sub>4</sub> Nanospindles as a Superior Anode Material for Lithium-Ion Batteries. <b>2008</b> , 18, 3941-3946		1119
1811	Tin-Nanoparticles Encapsulated in Elastic Hollow Carbon Spheres for High-Performance Anode Material in Lithium-Ion Batteries. <b>2008</b> , 20, 1160-1165		938
1810	Core/Shell Pt/C Nanoparticles Embedded in Mesoporous Carbon as a Methanol-Tolerant Cathode Catalyst in Direct Methanol Fuel Cells. <b>2008</b> , 20, 743-747		293
1809	Precursor-Controlled Formation of Novel Carbon/Metal and Carbon/Metal Oxide Nanocomposites. <b>2008</b> , 20, 1727-1731		178
1808	Multi-functionalized Inorganic/Organic Rare Earth Hybrid Microcapsules. <b>2008</b> , 20, 3739-3744		41
1807	Hollow Spheres to Nanocups: Tuning the Morphology and Magnetic Properties of Single-Crystalline Fe <sub>2</sub> O <sub>3</sub> Nanostructures. <b>2008</b> , 120, 7799-7802		22
1806	Synthesis and magnetic properties of Mn-doped ZnO hollow nanospheres. <b>2008</b> , 310, 2928-2933		10
1805	Structure and morphology controllable synthesis of Ag/carbon hybrid with ionic liquid as soft-template and their catalytic properties. <b>2008</b> , 181, 2171-2177		32
1804	Jingle-bell-shaped ferrite hollow sphere with a noble metal core: Simple synthesis and their magnetic and antibacterial properties. <b>2008</b> , 181, 1650-1658		20
1803	Photoelectrochemical application of hollow titania film. <b>2008</b> , 10, 1812-1814		13
1802	Tungsten carbide microsphere as an electrode for cathodic hydrogen evolution from water. <b>2008</b> , 33, 6865-6872		87
1801	Fabrication of selenium/carbon core-shell submicrowires and carbon submicrotubes by a facile solution process. <b>2008</b> , 3, 834-40		9
1800	A green route to water soluble carbon nanotubes and in situ loading of silver nanoparticles. <b>2008</b> , 19, 325605		12
1799	Novel hollow sub-microspheres with movable Au nanoparticles and excessive Pt nanoparticles in core and silica as shell. <b>2008</b> , 111, 364-367		12

1798	Preparation and characterization of hollow Co <sub>3</sub> O <sub>4</sub> spheres. <b>2008</b> , 62, 772-774	18
1797	Fabrication of ZnO hollow nanospheres and single bell-shaped nanospheres. <b>2008</b> , 62, 1435-1437	21
1796	Synthesis and characterization of carbon thin wires linked carbon hollow spheres encapsulating Ag nanoparticles. <b>2008</b> , 62, 3301-3304	7
1795	Preparation of SnO <sub>2</sub> /Carbon Composite Hollow Spheres and Their Lithium Storage Properties. <b>2008</b> , 20, 6562-6566	393
1794	Direct Synthesis of Carbon-Rich Composite Sub-microtubes by Combination of a Solvothermal Route and a Succeeding Self-Assembly Process. <b>2008</b> , 112, 4024-4028	18
1793	Template synthesis, organic gas-sensing and optical properties of hollow and porous In <sub>2</sub> O <sub>3</sub> nanospheres. <b>2008</b> , 19, 345704	98
1792	Selective partial hydrogenation of hydroxy aromatic derivatives with palladium nanoparticles supported on hydrophilic carbon. <b>2008</b> , 999-1001	202
1791	Functional carbonaceous materials from hydrothermal carbonization of biomass: an effective chemical process. <b>2008</b> , 5414-23	183
1790	Facile Synthesis and Catalytic Properties of Nickel-Based Mixed-Metal Oxides with Mesopore Networks from a Novel Hybrid Composite Precursor <b>2008</b> , 20, 1173-1182	75
1789	Novel approach for the synthesis of Fe <sub>3</sub> O <sub>4</sub> @TiO <sub>2</sub> core-shell microspheres and their application to the highly specific capture of phosphopeptides for MALDI-TOF MS analysis. <b>2008</b> , 564-6	125
1788	Chapter 5 Chemical Methods for Preparation of Nanoparticles in Solution. <b>2008</b> , 5, 113-141	23
1787	Synthesis of hollow Mn <sub>3</sub> O <sub>4</sub> -in-Co <sub>3</sub> O <sub>4</sub> magnetic microspheres and its chemiluminescence and catalytic properties. <b>2008</b> , 9, 1119-1124	27
1786	A simple method for the preparation of titania hollow sphere. <b>2008</b> , 9, 2574-2577	57
1785	Simple synthesis of graphitic porous carbon by hydrothermal method for use as a catalyst support in methanol electro-oxidation. <b>2008</b> , 10, 267-271	54
1784	Hollow Core-shell Mesospheres of Crystalline SnO <sub>2</sub> Nanoparticle Aggregates for High Capacity Li <sup>+</sup> Ion Storage. <b>2008</b> , 20, 1841-1846	350
1783	Synthesis, Characterization, and Formation Mechanism of Copper Sulfide-Core/Carbon-Sheath Cables by a Simple Hydrothermal Route. <b>2008</b> , 8, 2137-2143	39
1782	Facile One-Pot Synthesis of Mesoporous SnO <sub>2</sub> Microspheres via Nanoparticles Assembly and Lithium Storage Properties. <b>2008</b> , 20, 1227-1229	401
1781	Core-shell Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> @C Composites as Cathode Materials for Lithium-Ion Batteries. <b>2008</b> , 112, 5689-5693	242



1780	Bi <sub>2</sub> O <sub>3</sub> /CuCr <sub>2</sub> O <sub>4</sub> /TiO <sub>2</sub> core/shell structured nanocomposites: Facile synthesis and catalysis characterization. <b>2008</b> , 448, 287-292	10
1779	Electrocatalytic activity of horseradish peroxidase/chitosan/carbon microsphere microbiocomposites to hydrogen peroxide. <b>2008</b> , 77, 37-41	28
1778	A novel amperometric biosensor based on NiO hollow nanospheres for biosensing glucose. <b>2008</b> , 77, 455-9	154
1777	Hydrothermal carbon spheres containing silicon nanoparticles: synthesis and lithium storage performance. <b>2008</b> , 3759-61	124
1776	Hydrothermal Syntheses of Colloidal Carbon Spheres from Cyclodextrins. <b>2008</b> , 112, 14236-14240	117
1775	Preparation and Characterization of Carbon Nanospheres as Anode Materials in Lithium-Ion Secondary Batteries. <b>2008</b> , 47, 2294-2300	145
1774	Hard Templates for Soft Materials: Creating Nanostructured Organic Materials <b>2008</b> , 20, 738-755	342
1773	Fe <sub>3</sub> O <sub>4</sub> polyhedral nanoparticles with a high magnetization synthesized in mixed solvent ethylene glycol/water system. <b>2008</b> , 32, 1526	70
1772	Water-Induced Thermolytic Formation of Homogeneous Core-Shell CuS Microspheres and Their Shape Retention on Desulfurization. <b>2008</b> , 8, 2736-2740	34
1771	Synthesis and Electrochemical Properties of TiO <sub>2</sub> /B[emil[protected]] Core-Shell Nanoribbons. <b>2008</b> , 8, 1812-1814	20
1770	Intrinsically fluorescent carbon nanospheres as a nuclear targeting vector: delivery of membrane-impermeable molecule to modulate gene expression in vivo. <b>2008</b> , 8, 3182-8	175
1769	Synthesis of silica/carbon-encapsulated core-shell spheres: templates for other unique core-shell structures and applications in in situ loading of noble-metal nanoparticles. <b>2008</b> , 24, 5024-8	60
1768	Carbon-Coated Macroporous Sn <sub>2</sub> P <sub>2</sub> O <sub>7</sub> as Anode Materials for Li-Ion Battery. <b>2008</b> , 112, 14216-14219	55
1767	Spherical CoS <sub>2</sub> @carbon core-shell nanoparticles: one-pot synthesis and Li storage property. <b>2008</b> , 19, 075602	49
1766	Deposition of anatase titania onto carbon encapsulated magnetite nanoparticles. <b>2008</b> , 19, 405604	21
1765	Self-assembly synthesis of hydroxy strontium phosphate woolly nanospheres. <b>2008</b> , 23, 100-103	5
1764	Carbon anode material formed from template molecules occluded in a magnesium-substituted aluminophosphate. <b>2009</b> , 113, 309-313	2
1763	Preparation of novel CdSe microstructure by modified hydrothermal method. <b>2009</b> , 63, 673-675	13

1762	Synthesis and characterization of ZrO <sub>2</sub> hollow spheres. <b>2009</b> , 63, 1013-1015	26
1761	Catalytic chemical vapour deposition synthesis of carbon spheres. <b>2009</b> , 63, 1653-1655	16
1760	Hydrothermal synthesis of monodisperse CeO <sub>2</sub> nanocubes. <b>2009</b> , 63, 1774-1777	41
1759	Synthesis of Porous Bi <sub>2</sub> WO <sub>6</sub> Thin Films as Efficient Visible-Light-Active Photocatalysts. <b>2009</b> , 21, 1286-1290	304
1758	A Facile Synthesis Approach to C8-Functionalized Magnetic Carbonaceous Polysaccharide Microspheres for the Highly Efficient and Rapid Enrichment of Peptides and Direct MALDI-TOF-MS Analysis. <b>2009</b> , 21, 2200-2205	72
1757	Research on Advanced Materials for Li-ion Batteries. <b>2009</b> , 21, 4593-4607	1459
1756	Transition-Metal Phosphate Colloidal Spheres. <b>2009</b> , 121, 4910-4913	6
1755	Chemical and structural properties of carbonaceous products obtained by hydrothermal carbonization of saccharides. <b>2009</b> , 15, 4195-203	986
1754	High-Density Magnetite Nanoparticles Located in Carbon Hollow Microspheres with Good Dispersibility and Durability: Their One-Pot Preparation and Magnetic Properties. <b>2009</b> , 2009, 3003-3007	16
1753	BiVO <sub>4</sub> Hollow Nanospheres: Anchoring Synthesis, Growth Mechanism, and Their Application in Photocatalysis. <b>2009</b> , 2009, 4379-4384	66
1752	Porous polymers: enabling solutions for energy applications. <b>2009</b> , 30, 221-36	168
1751	Transition-metal phosphate colloidal spheres. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 4816-4819	68
1750	Preparation and characterization of colloidal carbon sphere/rigid polyurethane foam composites. <b>2009</b> , 114, 3863-3869	17
1749	Nanoporous carbon spheres and their application in dispersing silver nanoparticles. <b>2009</b> , 255, 6011-6016	45
1748	Preparation and electrochemical properties of TiO <sub>2</sub> hollow spheres as an anode material for lithium-ion batteries. <b>2009</b> , 191, 614-618	120
1747	Development of sensors based on CuO-doped SnO <sub>2</sub> hollow spheres for ppb level H <sub>2</sub> S gas sensing. <b>2009</b> , 44, 4326-4333	57
1746	Preparation of Mn <sub>2</sub> O <sub>3</sub> catalyst with core-shell structure via spray pyrolysis assisted with glucose. <b>2009</b> , 35, 791-798	9
1745	A Two-Step Hydrothermal Synthesis Approach to Monodispersed Colloidal Carbon Spheres. <b>2009</b> , 4, 971-976	65

1744	A novel route for preparation of hollow carbon nanospheres without introducing template. <b>2009</b> , 4, 1365-70	30
1743	Fabrication of core-shell Fe <sub>3</sub> O <sub>4</sub> /polypyrrole and hollow polypyrrole microspheres. <b>2009</b> , 30, 847-854	67
1742	Facile synthesis and superior anodic performance of ultrafine SnO <sub>2</sub> -containing nanocomposites. <b>2009</b> , 54, 5782-5788	59
1741	ZnO hollow spheres: Preparation, characterization, and gas sensing properties. <b>2009</b> , 139, 411-417	170
1740	A simple method to prepare N-doped titania hollow spheres with high photocatalytic activity under visible light. <b>2009</b> , 167, 413-7	61
1739	Bi <sub>2</sub> WO <sub>6</sub> @carbon/Fe <sub>3</sub> O <sub>4</sub> microspheres: preparation, growth mechanism and application in water treatment. <b>2009</b> , 172, 1193-7	54
1738	Monodispersed nanoporous starburst carbon spheres and their three-dimensionally ordered arrays. <b>2009</b> , 117, 478-485	43
1737	Synthesis of composite eccentric double-shelled hollow spheres. <b>2009</b> , 50, 3943-3949	17
1736	A general protocol to coat titania shell on carbon-based composite cores using carbon as coupling agent. <b>2009</b> , 182, 1235-1240	25
1735	NO <sub>2</sub> sensing performance of SnO <sub>2</sub> hollow-sphere sensor. <b>2009</b> , 135, 610-617	145
1734	Structural effects of titanium(IV) oxide encapsulated in a hollow silica shell on photocatalytic activity for gas-phase decomposition of organics. <b>2009</b> , 369, 113-118	11
1733	The production of carbon materials by hydrothermal carbonization of cellulose. <b>2009</b> , 47, 2281-2289	1270
1732	One-step synthesis of iron-oxide-loaded functionalized carbon spheres. <b>2009</b> , 47, 2648-2654	21
1731	Synthesis of novel mesoporous Al <sub>2</sub> O <sub>3</sub> microspheres with flower-like structure. <b>2009</b> , 7, 794-802	1
1730	Catalyst-Free, One-Step Synthesis of Olivary-Shaped Carbon from Olive Oil. <b>2009</b> , 48, 5691-5695	14
1729	A Versatile Approach for the Synthesis of ZnO Nanorod-Based Hybrid Nanomaterials via Layer-by-Layer Assembly. <b>2009</b> , 113, 8147-8151	31
1728	SnO <sub>2</sub> monolayer porous hollow spheres as a gas sensor. <b>2009</b> , 20, 455503	77
1727	Measurement of Autogenous Pressure and Dissociated Species during the Thermolysis of Mesitylene for the Synthesis of Monodispersed, Pure, Paramagnetic Carbon Particles. <b>2009</b> , 48, 1484-1489	18

1726	Synthesis of core-shell Fe <sub>2</sub> O <sub>3</sub> hollow micro-spheres by a simple two-step process. <b>2009</b> , 478, 876-879	30
1725	Hydrothermal Dehydration for the Green Reduction of Exfoliated Graphene Oxide to Graphene and Demonstration of Tunable Optical Limiting Properties. <b>2009</b> , 21, 2950-2956	1285
1724	Hydrothermal synthesis and characterization of CePO <sub>4</sub> /C core-shell nanorods. <b>2009</b> , 63, 2513-2515	10
1723	An Efficient Route to Rattle-Type Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> Hollow Mesoporous Spheres Using Colloidal Carbon Spheres Templates. <b>2009</b> , 21, 2547-2553	231
1722	Carbon Colloids Prepared by Hydrothermal Carbonization as Efficient Fuel for Indirect Carbon Fuel Cells. <b>2009</b> , 21, 1170-1172	58
1721	General and Facile Method To Prepare Uniform Y <sub>2</sub> O <sub>3</sub> :Eu Hollow Microspheres. <b>2009</b> , 9, 301-307	152
1720	General Synthesis of Homogeneous Hollow Core-shell Ferrite Microspheres. <b>2009</b> , 113, 2792-2797	203
1719	SnO <sub>2</sub> -Based Hierarchical Nanomicrostructures: Facile Synthesis and Their Applications in Gas Sensors and Lithium-Ion Batteries. <b>2009</b> , 113, 14213-14219	171
1718	New Bi <sub>2</sub> WO <sub>6</sub> Nanocages with High Visible-Light-Driven Photocatalytic Activities Prepared in Refluxing EG. <b>2009</b> , 9, 991-996	191
1717	Design and synthesis of a novel nanothorn VO <sub>2</sub> (B) hollow microsphere and their application in lithium-ion batteries. <b>2009</b> , 19, 2835	111
1716	Microwave synthesis of fluorescent carbon nanoparticles with electrochemiluminescence properties. <b>2009</b> , 5118-20	952
1715	One-Pot Microwave-Hydrothermal Synthesis and Characterization of Carbon-Coated LiMPO <sub>4</sub> (M=Mn, Fe, and Co) Cathodes. <b>2009</b> , 156, A79	151
1714	Direct Fabrication of Tellurium/Carbon Nanocables through a Facile Solution Route. <b>2009</b> , 9, 2117-2123	15
1713	One-Pot Synthesis of Carbon-Coated SnO <sub>2</sub> Nanocolloids with Improved Reversible Lithium Storage Properties. <b>2009</b> , 21, 2868-2874	406
1712	Viable Route for Cobalt Oxide/Carbon Nanocomposites. <b>2009</b> , 113, 15533-15537	17
1711	Shape-Controlled Synthesis of 3D Hierarchical MnO <sub>2</sub> Nanostructures for Electrochemical Supercapacitors. <b>2009</b> , 9, 528-533	240
1710	Chemical morphology freezing: chemical protection of the physical morphology of high photoactivity anatase TiO <sub>2</sub> nanotubes. <b>2009</b> , 19, 4692	16
1709	Monodisperse crystalline semiconducting ZnS hollow microspheres by a new versatile core-shell strategy. <b>2009</b> , 19, 5964	15

1708	Hierarchically structured carbon nanocomposites as electrode materials for electrochemical energy storage, conversion and biosensor systems. <b>2009</b> , 19, 8707	73
1707	Direct Assembly of Anisotropic Layered Double Hydroxide (LDH) Nanocrystals on Spherical Template for Fabrication of Drug-LDH Hollow Nanospheres. <b>2009</b> , 21, 781-783	113
1706	Magnetically Responsive Fe <sub>3</sub> O <sub>4</sub> @C@SnO <sub>2</sub> Core-Shell Microspheres: Synthesis, Characterization and Application in Phosphoproteomics. <b>2009</b> , 113, 15854-15861	85
1705	Hydrothermal Synthesis and Visible-light Photocatalytic Activity of Novel Cage-like Ferric Oxide Hollow Spheres. <b>2009</b> , 9, 1474-1480	277
1704	Characterization of surface modified carbon nanoparticles by low temperature plasma treatment. <b>2009</b> , 18, 1316-1320	14
1703	Single-hole Carbonaceous Microcapsules. <b>2010</b> , 39, 451-453	5
1702	Synthesis and applications of graphite carbon sphere with uniformly distributed magnetic Fe <sub>3</sub> O <sub>4</sub> nanoparticles (MGCSs) and MGCS@Ag, MGCS@TiO <sub>2</sub> . <b>2010</b> , 20, 4802	30
1701	Honeycomb-like Ni@C composite nanostructures: synthesis, properties and applications in the detection of glucose and the removal of heavy-metal ions. <b>2010</b> , 20, 6430	92
1700	Functionalized carbon nanomaterials derived from carbohydrates. <b>2010</b> , 5, 232-43	26
1699	Direct electron transfer of glucose oxidase and biosensing of glucose on hollow sphere-nanostructured conducting polymer/metal oxide composite. <b>2010</b> , 12, 12153-9	116
1698	Coal from carbohydrates: The "chimie douce" of carbon. <b>2010</b> , 13, 167-173	35
1697	One-step synthesis of novel biacidic carbon via hydrothermal carbonization. <b>2010</b> , 183, 1721-1725	45
1696	Efficient synthesis of PbTe nanoparticle networks. <b>2010</b> , 3, 685-693	16
1695	Carbon-Coated SnO <sub>2</sub> Nanorod Array for Lithium-Ion Battery Anode Material. <b>2010</b> , 5, 649-653	47
1694	Synthesis and Application of Carbon-Iron Oxide Microspheres' Black Pigments in Electrophoretic Displays. <b>2010</b> , 5, 1664-8	19
1693	Layer-by-layer synthesis of hollow spherical CeO <sub>2</sub> templated by carbon spheres. <b>2010</b> , 17, 297-303	30
1692	Magnetically recyclable C@(Au@Fe) supported Pd nanoparticles for the Heck cross-coupling reactions. <b>2010</b> , 101, 387-396	11
1691	Fabrication and characterisation of hollow carbon/anatase titania. <b>2010</b> , 5, 351	3

1690	Mesoporous carbon spheres with uniformly penetrating channels and their use as a supercapacitor electrode material. <b>2010</b> , 61, 31-38	31
1689	Fabrication and growth mechanism of carbon nanospheres by chemical vapor deposition. <b>2010</b> , 123, 351-355	11
1688	Morphology-controlled synthesis of ZnS nanostructures via single-source approaches. <b>2010</b> , 45, 813-817	13
1687	A facile and green synthesis route to C@LaCO <sub>3</sub> OH core-shell microspheres using colloidal carbonaceous spheres as template and its by-products as carbon source. <b>2010</b> , 12, 1934-1940	8
1686	Synthesis and magnetic properties of hollow Fe <sub>2</sub> O <sub>3</sub> nanospheres templated by carbon nanospheres. <b>2010</b> , 12, 2020-2023	18
1685	One-step hydrothermal synthesis of nitrogen-doped nanocarbons: albumine directing the carbonization of glucose. <b>2010</b> , 3, 246-53	107
1684	Porous carbohydrate-based materials via hard templating. <b>2010</b> , 3, 188-94	72
1683	A zero-emission fuel cell that uses carbonaceous colloids from biomass waste as fuel source. <b>2010</b> , 3, 223-5	5
1682	Triplex Au@Ag@C Core-Shell Nanoparticles as a Novel Raman Label. <b>2010</b> , 20, 969-975	80
1681	Nafion <sup>®</sup> Carbon Nanocomposite Membranes Prepared Using Hydrothermal Carbonization for Proton-Exchange-Membrane Fuel Cells. <b>2010</b> , 20, 4394-4399	90
1680	Engineering carbon materials from the hydrothermal carbonization process of biomass. <b>2010</b> , 22, 813-28	1282
1679	Coaxial metal nano-/microcables with isolating sheath: synthetic methodology and their application as interconnects. <b>2010</b> , 22, 1977-81	21
1678	Formation and catalytic performance of supported ni nanoparticles via self-reduction of hybrid NiAl-LDH/C composites. <b>2010</b> , 56, 2934-2945	23
1677	Synthesis of hierarchical macro-/mesoporous solid-solution photocatalysts by a polymerization-carbonization-oxidation route: the case of Ce(0.49)Zr(0.37)Bi(0.14)O(1.93). <b>2010</b> , 16, 8719-25	14
1676	Hierarchical, titania-coated, carbon nanofibrous material derived from a natural cellulosic substance. <b>2010</b> , 16, 7730-40	76
1675	Nanostrukturierte Kohlenstoffmaterialien aus molekularen Vorstufen. <b>2010</b> , 122, 6644-6664	27
1674	Amphiphilic Hollow Carbonaceous Microspheres with Permeable Shells. <b>2010</b> , 122, 4319-4323	8
1673	A Low-Concentration Hydrothermal Synthesis of Biocompatible Ordered Mesoporous Carbon Nanospheres with Tunable and Uniform Size. <b>2010</b> , 122, 8159-8163	81

1672	Nanostructured carbonaceous materials from molecular precursors. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 6496-515	16.4	126
1671	Amphiphilic hollow carbonaceous microspheres with permeable shells. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 4223-7	16.4	84
1670	A low-concentration hydrothermal synthesis of biocompatible ordered mesoporous carbon nanospheres with tunable and uniform size. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 7987-91	16.4	543
1669	A one-pot method to prepare N-doped titania hollow spheres with high photocatalytic activity under visible light. <b>2010</b> , 256, 2754-2758		46
1668	Comparison on gas-sensing properties of single- and multi-layered SnO <sub>2</sub> nanostructures in drug-precursors detection. <b>2010</b> , 7, 123-129		1
1667	Sustainable nitrogen-doped carbon latexes with high electrical and thermal conductivity. <b>2010</b> , 51, 4540-4546		46
1666	A facile and environmentally friendly chemical route for the synthesis of metastable VO <sub>2</sub> nanobelts. <b>2010</b> , 71, 407-411		12
1665	Magnetic properties of different temperature treated Co- and Ni-doped ZnO hollow nanospheres. <b>2010</b> , 13, 132-136		20
1664	Hydrothermal synthesis of carbon/vanadium dioxide core-shell microspheres with good cycling performance in both organic and aqueous electrolytes. <b>2010</b> , 55, 2662-2666		59
1663	Preparation and characterization of antibacterial Au/C core-shell composite. <b>2010</b> , 256, 6580-6585		11
1662	Size control of magnetic carbon nanoparticles for drug delivery. <b>2010</b> , 31, 1342-8		88
1661	Hydrothermal carbonization of microalgae. <b>2010</b> , 34, 875-882		256
1660	Magnetic solid-phase extraction of hydrophobic analytes in environmental samples by a surface hydrophilic carbon-ferromagnetic nanocomposite. <b>2010</b> , 1217, 7331-6		86
1659	Thermal synthesis of Cu@carbon spherical core-shell structures from carbonaceous matrices containing embedded copper particles. <b>2010</b> , 48, 464-469		42
1658	Alcohol-assisted hydrothermal carbonization to fabricate spheroidal carbons with a tunable shape and aspect ratio. <b>2010</b> , 48, 1224-1233		87
1657	Hydrothermal preparation of carbon microspheres from mono-saccharides and phenolic compounds. <b>2010</b> , 48, 1990-1998		244
1656	Ionothermal carbonization of sugars in a protic ionic liquid under ambient conditions. <b>2010</b> , 48, 3364-3368		58
1655	A simple pyrolysis route to synthesize leaf-like carbon sheets. <b>2010</b> , 48, 3420-3426		20

- 1654 Sustainable nitrogen-doped carbonaceous materials from biomass derivatives. **2010**, 48, 3778-3787 332
- 1653 Synthesis, Structure, and Properties of Mesoporous B/C/N Microspheres **2010**, 636, 30-35 19
- 1652 Synthesis and Characterization of Hollow Core-Shell ZrO<sub>2</sub>@void@BiVO<sub>4</sub> Visible-Light Photocatalyst. **2010**, 148-149, 1331-1338
- 1651 Preparation of Three Different Sphere-Like Au/CeO<sub>2</sub> Catalysts and their Activity for the CO Oxidation. **2010**, 160-162, 428-433
- 1650 Synthesis and capacitive properties of carbonaceous sphere@MnO<sub>2</sub> rattle-type hollow structures. **2010**, 25, 1476-1484 18
- 1649 Spherical and Anisotropic Nonmagnetic Core-Shell Nanomaterials: Synthesis and Characterization. **2010**,
- 1648 Facile microemulsion route to coat carbonized glucose on upconversion nanocrystals as high luminescence and biocompatible cell-imaging probes. **2010**, 21, 315105 28
- 1647 Fe(x)O(y)@C spheres as an excellent catalyst for Fischer-Tropsch synthesis. **2010**, 132, 935-7 229
- 1646 Sensitive immunosensor for cancer biomarker based on dual signal amplification strategy of graphene sheets and multienzyme functionalized carbon nanospheres. **2010**, 82, 2989-95 404
- 1645 One-Step Synthesis of Carbon-Coated Tin Dioxide Nanoparticles for High Lithium Storage. **2010**, 114, 20272-20276 58
- 1644 Carbon-Deposited TiO<sub>2</sub>: Synthesis, Characterization, and Visible Photocatalytic Performance. **2010**, 114, 933-939 203
- 1643 Shell-by-Shell Synthesis and Applications of Carbon-Coated SnO<sub>2</sub> Hollow Nanospheres in Lithium-Ion Battery. **2010**, 114, 13136-13141 113
- 1642 Fabrication and photoluminescence properties of hollow Gd<sub>2</sub>O<sub>3</sub>:Ln (Ln = Eu<sup>3+</sup>, Sm<sup>3+</sup>) spheres via a sacrificial template method. **2010**, 12, 3717 63
- 1641 ZnO/ZnFe<sub>2</sub>O<sub>4</sub> Magnetic Fluorescent Bifunctional Hollow Nanospheres: Synthesis, Characterization, and Their Optical/Magnetic Properties. **2010**, 114, 17455-17459 57
- 1640 Programmed Fabrication of Metal Oxides Nanostructures Using Dual Templates to Spatially Disperse Metal Oxide Nanocrystals. **2010**, 22, 414-419 40
- 1639 Synthesis and application of hollow magnetic graphitic carbon microspheres with/without TiO<sub>2</sub> nanoparticle layer on the surface. **2010**, 46, 6276-8 30
- 1638 Accurately tuning the dispersity and size of palladium particles on carbon spheres and using carbon spheres/palladium composite as support for polyaniline in H<sub>2</sub>O<sub>2</sub> electrochemical sensing. **2010**, 26, 5985-90 69
- 1637 Assembly of magnetic nanospheres into one-dimensional nanostructured carbon hybrid materials. **2010**, 26, 6676-80 83



1636	Selective Synthesis of Magnetic Fe <sub>2</sub> P/C and FeP/C Core/Shell Nanocables. <b>2010</b> , 1, 102-106	16
1635	One-Step Synthesis of Highly Luminescent Carbon Dots in Noncoordinating Solvents. <b>2010</b> , 22, 4528-4530	333
1634	Designed synthesis of wide range microwave absorption Fe <sub>3</sub> O <sub>4</sub> @carbon sphere composite. <b>2010</b> , 489, 252-256	91
1633	The gas-phase photocatalytic mineralization of benzene over visible-light-driven Bi <sub>2</sub> WO <sub>6</sub> @C microspheres. <b>2010</b> , 12, 247-250	40
1632	Pd nanoparticles in silica hollow spheres with mesoporous walls: a nanoreactor with extremely high activity. <b>2010</b> , 46, 6524-6	262
1631	Solvothermal syntheses of hollow carbon microspheres modified with NH <sub>2</sub> and OH groups in one-step process. <b>2010</b> , 48, 3145-3156	72
1630	Novel sulfonated carbonaceous materials from p-toluenesulfonic acid/glucose as a high-performance solid-acid catalyst. <b>2010</b> , 11, 629-632	117
1629	Photocatalytic degradation of phenol over cage-like Bi <sub>2</sub> MoO <sub>6</sub> hollow spheres under visible-light irradiation. <b>2010</b> , 11, 647-650	158
1628	Exfoliation of graphene from graphite and their self-assembly at the oil-water interface. <b>2010</b> , 26, 9045-9	85
1627	Carbonization under pressure. <b>2010</b> , 25, 409-420	45
1626	Controllable incorporation of Ag and Ag@Au nanoparticles in carbon spheres for tunable optical and catalytic properties. <b>2010</b> , 20, 5436	162
1625	Coating colloidal carbon spheres with CdS nanoparticles: microwave-assisted synthesis and enhanced photocatalytic activity. <b>2010</b> , 26, 18570-5	145
1624	Graphitically encapsulated cobalt nanocrystal assemblies. <b>2010</b> , 46, 4749-51	32
1623	Particle Size Effect of Silver Nanoparticles Decorated Single Walled Carbon Nanotube Electrode for Supercapacitors. <b>2010</b> , 157, A179	92
1622	Carbon nanospheres for highly sensitive electrochemical detection of sequence-specific protein-DNA interactions. <b>2011</b> , 47, 8316-8	4
1621	Wet photochemical filling: a new low-diameter tube-filling method based on differentiated nanotube surfaces. <b>2011</b> , 21, 19337	3
1620	Interface-facilitated hydrothermal synthesis of sub-micrometre graphitic carbon plates. <b>2011</b> , 21, 15197	12
1619	Controlled synthesis of SnO <sub>2</sub> @carbon core-shell nanochains as high-performance anodes for lithium-ion batteries. <b>2011</b> , 21, 12295	67

1618	Structural evolution from mesoporous $\gamma\text{-Fe}_2\text{O}_3$ to $\text{Fe}_3\text{O}_4@\text{C}$ and $\gamma\text{-Fe}_2\text{O}_3$ nanospheres and their lithium storage performances. <b>2011</b> , 13, 4709	101
1617	Worm-Like Palladium/Carbon Core-Shell Nanocomposites: One-Step Hydrothermal Reduction-Carbonization Synthesis and Electrocatalytic Activity. <b>2011</b> , 115, 6250-6256	14
1616	Carbon Nanocapsules as Nanoreactors for Controllable Synthesis of Encapsulated Iron and Iron Oxides: Magnetic Properties and Reversible Lithium Storage. <b>2011</b> , 115, 3612-3620	96
1615	A facile synthesis and lithium storage properties of $\text{Co}_3\text{O}_4@\text{C}$ hybrid core-shell and hollow spheres. <b>2011</b> , 21, 17998	55
1614	Structural Insights on Nitrogen-Containing Hydrothermal Carbon Using Solid-State Magic Angle Spinning $^{13}\text{C}$ and $^{15}\text{N}$ Nuclear Magnetic Resonance. <b>2011</b> , 115, 8976-8982	85
1613	Preparation of coral-like magnetite through a glucose-assisted solvothermal synthesis. <b>2011</b> , 13, 4646	7
1612	Temperature-programmed precise control over the sizes of carbon nanospheres based on benzoxazine chemistry. <b>2011</b> , 133, 15304-7	210
1611	Selective chromogenic detection of thiol-containing biomolecules using carbonaceous nanospheres loaded with silver nanoparticles as carrier. <b>2011</b> , 5, 3166-71	52
1610	Flow-injection analysis of hydrogen peroxide based on carbon nanospheres catalyzed hydrogen carbonate-hydrogen peroxide chemiluminescent reaction. <b>2011</b> , 136, 1957-64	34
1609	Characterization of products from hydrothermal liquefaction and carbonation of biomass model compounds and real biomass. <b>2011</b> , 39, 893-900	53
1608	Magnetic $\text{Fe}_3\text{O}_4@\text{C}@\text{Cu}_2\text{O}$ composites with bean-like core/shell nanostructures: Synthesis, properties and application in recyclable photocatalytic degradation of dye pollutants. <b>2011</b> , 21, 7459	124
1607	Palladium with interstitial carbon atoms as a catalyst for ultrasensitive hydrogenation in the liquid phase. <b>2011</b> , 1, 1584	15
1606	Single-layer $\text{MoS}_2$ /graphene dispersed in amorphous carbon: towards high electrochemical performances in rechargeable lithium ion batteries. <b>2011</b> , 21, 17175	264
1605	Formation and Growth of Humins via Aldol Addition and Condensation during Acid-Catalyzed Conversion of 5-Hydroxymethylfurfural. <b>2011</b> , 25, 4745-4755	399
1604	Shape controlled synthesis of superhydrophobic zinc coordination polymers particles and their calcination to superhydrophobic $\text{ZnO}$ . <b>2011</b> , 21, 8633	31
1603	Facile synthesis of $\text{SnO}_2$ -embedded carbon nanomaterials via glucose-mediated oxidation of Sn particles. <b>2011</b> , 21, 10705	10
1602	Large-scale synthesis of water-soluble nanowires as versatile templates for nanotubes. <b>2011</b> , 47, 1006-8	6
1601	Efficient removal of heavy metal ions from aqueous systems with the assembly of anisotropic layered double hydroxide nanocrystals@carbon nanosphere. <b>2011</b> , 45, 6181-7	218

1600	Fabrication and application of inorganic hollow spheres. <b>2011</b> , 40, 5472-91	695
1599	Unique mesoporous carbon microsphere/1-D MnO <sub>2</sub> -built composite architecture and their enhanced electrochemical capacitance performance. <b>2011</b> , 21, 17185	22
1598	TiO <sub>2</sub> @carbon core/shell nanofibers: controllable preparation and enhanced visible photocatalytic properties. <b>2011</b> , 3, 2943-9	172
1597	Hydrothermal carbonization of biomass residuals: a comparative review of the chemistry, processes and applications of wet and dry pyrolysis. <b>2011</b> , 2, 71-106	1013
1596	Shell-in-shell TiO <sub>2</sub> hollow spheres synthesized by one-pot hydrothermal method for dye-sensitized solar cell application. <b>2011</b> , 4, 3565	200
1595	Hierarchical nickel sulfide hollow spheres for high performance supercapacitors. <b>2011</b> , 1, 397	298
1594	Synthesis of an attapulgite clay@carbon nanocomposite adsorbent by a hydrothermal carbonization process and their application in the removal of toxic metal ions from water. <b>2011</b> , 27, 8998-9004	229
1593	Spherical carbon particles and carbon nanotubes prepared by autogenic reactions: Evaluation as anodes in lithium electrochemical cells. <b>2011</b> , 4, 1904-1912	146
1592	Ag@poly(m-phenylenediamine)-Ag core-shell nanoparticles: one-step preparation, characterization, and their application for H <sub>2</sub> O <sub>2</sub> detection. <b>2011</b> , 1, 1393	50
1591	A self-assembled hierarchical nanostructure comprising carbon spheres and graphene nanosheets for enhanced supercapacitor performance. <b>2011</b> , 4, 4504	326
1590	Chitosan gelation induced by the in situ formation of gold nanoparticles and its processing into macroporous scaffolds. <b>2011</b> , 12, 179-86	56
1589	A facile heteroaggregate-template route to hollow magnetic mesoporous spheres with tunable shell structures. <b>2011</b> , 21, 9020	36
1588	A new strategy for finely controlling the metal (oxide) coating on colloidal particles with tunable catalytic properties. <b>2011</b> , 21, 6654	25
1587	Macroporous V <sub>2</sub> O <sub>5</sub> /BiVO <sub>4</sub> Composites: Effect of Heterojunction on the Behavior of Photogenerated Charges. <b>2011</b> , 115, 8064-8071	228
1586	Uniform hollow Lu <sub>2</sub> O <sub>3</sub> :Ln (Ln = Eu <sup>3+</sup> , Tb <sup>3+</sup> ) spheres: facile synthesis and luminescent properties. <b>2011</b> , 50, 2182-90	66
1585	Improved electrode performance of mesoporous ZnS microspheres for lithium ion batteries using carbon coated microspheres. <b>2011</b> , 21, 18398	38
1584	Magnetic-field induced formation of 1D Fe <sub>3</sub> O <sub>4</sub> /C/CdS coaxial nanochains as highly efficient and reusable photocatalysts for water treatment. <b>2011</b> , 21, 18359	134
1583	Hydrophilic mesoporous carbon nanoparticles as carriers for sustained release of hydrophobic anti-cancer drugs. <b>2011</b> , 47, 2101-3	106

1582	Hydrothermal carbon from biomass: structural differences between hydrothermal and pyrolyzed carbons via $^{13}\text{C}$ solid state NMR. <b>2011</b> , 27, 14460-71	209
1581	Constructing carbon-coated $\text{Fe}_3\text{O}_4$ microspheres as antiacid and magnetic support for palladium nanoparticles for catalytic applications. <b>2011</b> , 3, 35-42	153
1580	$\text{CO}_2$ -assisted template synthesis of porous hollow bi-phase $\text{Fe}_3\text{O}_4/\text{Fe}_2\text{O}_3$ nanoparticles with high sensor property. <b>2011</b> , 21, 17776	53
1579	Fabrication of $\text{V}_3\text{O}_7 \cdot \text{H}_2\text{O}@\text{C}$ core-shell nanostructured composites and the effect of $\text{V}_3\text{O}_7 \cdot \text{H}_2\text{O}$ and $\text{V}_3\text{O}_7 \cdot \text{H}_2\text{O}@\text{C}$ on decomposition of ammonium perchlorate. <b>2011</b> , 509, L69-L73	52
1578	Large-scale synthesis of macroporous $\text{SnO}_2$ with/without carbon and their application as anode materials for lithium-ion batteries. <b>2011</b> , 509, 5969-5973	38
1577	Synthesis of core-shell $\text{Fe}_3\text{O}_4@\text{SiO}_2@\text{MS}$ (M=Pb, Zn, and Hg) microspheres and their application as photocatalysts. <b>2011</b> , 509, 6893-6898	22
1576	Glucose-mediated solution-solid route for easy synthesis of Ag/ZnO particles with superior photocatalytic activity and photostability. <b>2011</b> , 509, 6935-6941	43
1575	Ag@poly(m-phenylenediamine) core-shell nanoparticles for highly selective, multiplex nucleic acid detection. <b>2011</b> , 27, 2170-5	92
1574	Carbon nanospheres enhanced electrochemiluminescence of CdS quantum dots for biosensing of hypoxanthine. <b>2011</b> , 85, 2154-8	44
1573	Fluorescent carbon nanoparticles: electrochemical synthesis and their pH sensitive photoluminescence properties. <b>2011</b> , 35, 2666	107
1572	Intrinsically fluorescent carbon dots with tunable emission derived from hydrothermal treatment of glucose in the presence of monopotassium phosphate. <b>2011</b> , 47, 11615-7	448
1571	High density hydrogen storage in superactivated carbons from hydrothermally carbonized renewable organic materials. <b>2011</b> , 4, 1400	339
1570	Multifunctional nanocomposites constructed from $\text{Fe}_3\text{O}_4$ -Au nanoparticle cores and a porous silica shell in the solution phase. <b>2011</b> , 40, 10857-64	34
1569	Microwave assisted one-step green synthesis of cell-permeable multicolor photoluminescent carbon dots without surface passivation reagents. <b>2011</b> , 21, 2445	518
1568	Carbon/Metal-Sulfide Composite Template: A New Facile Route Toward Well-Defined Oxide Hollow Nanospheres. <b>2011</b> , 94, 1667-1669	8
1567	Activity and stability comparison of immobilized NADH oxidase on multi-walled carbon nanotubes, carbon nanospheres, and single-walled carbon nanotubes. <b>2011</b> , 69, 120-126	31
1566	Uniform lanthanide-doped $\text{Y}_2\text{O}_3$ hollow microspheres: Controlled synthesis and luminescence properties. <b>2011</b> , 176, 1251-1256	18
1565	Novel magnetic $\text{Fe}_3\text{O}_4@\text{C}$ nanoparticles as adsorbents for removal of organic dyes from aqueous solution. <b>2011</b> , 193, 325-9	305

- 1564 Surface activated carbon nanospheres for fast adsorption of silver ions from aqueous solutions. **2011**, 194, 162-8 138
- 1563 Preparation and mechanism of magnetic carbonaceous polysaccharide microspheres by low-temperature hydrothermal method. **2011**, 323, 2741-2747 17
- 1562 Synthesis of Co<sub>2</sub>SnO<sub>4</sub>@C core-shell nanostructures with reversible lithium storage. **2011**, 196, 10234-10239 58
- 1561 Preparation of nickel oxide and carbon nanosheet array and its application in glucose sensing. **2011**, 184, 2738-2743 43
- 1560 Synthesis of fluorescent carbon nanoparticles directly from active carbon via a one-step ultrasonic treatment. **2011**, 46, 147-151 132
- 1559 Controllable synthesis and characterization of novel copper-carbon core-shell structured nanoparticles. **2011**, 46, 865-870 8
- 1558 Oxygen reduction electrocatalysis enhanced by nanosized cubic vanadium carbide. **2011**, 13, 763-765 60
- 1557 Intrinsically fluorescent nitrogen-containing carbon nanoparticles synthesized by a hydrothermal process. **2011**, 49, 5207-5212 139
- 1556 Recent developments in fabrication and applications of colloid based composite particles. **2011**, 21, 615-627 73
- 1555 A method for the preparation of activated carbon based carbon/carbonaceous composites with controllable surface functionality. **2011**, 18, 743-750 3
- 1554 Visible light photocatalytic activity and Photoelectrochemical property of Fe-doped TiO<sub>2</sub> hollow spheres by sol-gel method. **2011**, 59, 283-289 21
- 1553 Acid functionalized, highly dispersed carbonaceous spheres: an effective solid acid for hydrolysis of polysaccharides. **2011**, 13, 463-469 37
- 1552 Superior cycle performance of Sn@C/graphene nanocomposite as an anode material for lithium-ion batteries. **2011**, 184, 1400-1404 123
- 1551 Hydrothermal synthesis, characterization, and KOH activation of carbon spheres from glucose. **2011**, 346, 999-1004 246
- 1550 Nano-structured porous carbon materials for catalysis and energy storage. **2011**, 28, 731-743 42
- 1549 Self-assembled photonic structures. **2011**, 23, 30-69 509
- 1548 Palladium Nanoparticles on Amphiphilic Carbon Spheres: A Green Catalyst for Suzuki-Miyaura Reaction. **2011**, 353, 1889-1896 36
- 1547 General Synthesis and Gas-Sensing Properties of Multiple-Shell Metal Oxide Hollow Microspheres. **2011**, 123, 2790-2793 142

1546	Extension of The Stober Method to the Preparation of Monodisperse Resorcinol-Formaldehyde Resin Polymer and Carbon Spheres. <b>2011</b> , 123, 6069-6073		91
1545	Können Kohlenstoffkugeln mit der Stober-Methode erzeugt werden?. <b>2011</b> , 123, 9187-9189		6
1544	Synthesis of Discrete and Dispersible Hollow Carbon Nanospheres with High Uniformity by Using Confined Nanospace Pyrolysis. <b>2011</b> , 123, 11969-11972		30
1543	General synthesis and gas-sensing properties of multiple-shell metal oxide hollow microspheres. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 2738-41	16.4	473
1542	Extension of the Stober method to the preparation of monodisperse resorcinol-formaldehyde resin polymer and carbon spheres. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 5947-51	16.4	623
1541	Can carbon spheres be created through the Stober method?. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 9023-5	16.4	101
1540	Synthesis of discrete and dispersible hollow carbon nanospheres with high uniformity by using confined nanospace pyrolysis. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 11765-8	16.4	166
1539	Fe <sub>3</sub> O <sub>4</sub> /WO <sub>3</sub> hierarchical core-shell structure: high-performance and recyclable visible-light photocatalysis. <b>2011</b> , 17, 5145-54		224
1538	Controlled synthesis of Ag/Ag/C hybrid nanostructures and their surface-enhanced Raman scattering properties. <b>2011</b> , 17, 13386-90		8
1537	Improvement of the electrochemical properties of V <sub>3</sub> O <sub>7</sub> ·H <sub>2</sub> O nanobelts for Li battery application through synthesis of V <sub>3</sub> O <sub>7</sub> @C core-shell nanostructured composites. <b>2011</b> , 11, 1159-1163		49
1536	One-step ultrasonic synthesis of water-soluble carbon nanoparticles with excellent photoluminescent properties. <b>2011</b> , 49, 605-609		688
1535	One-pot synthesis of carbonaceous monolith with surface sulfonic groups and its carbonization/activation. <b>2011</b> , 49, 1811-1820		77
1534	Water soluble carbon nanoparticles: hydrothermal synthesis and excellent photoluminescence properties. <b>2011</b> , 87, 326-32		88
1533	Te/C coaxial nanocable as a supporting material for loading ultra-high density Pt nanoparticles at room temperature. <b>2011</b> , 257, 8024-8027		
1532	Hydrothermal carbonization of distiller's grains. <b>2011</b> , 35, 2526-2533		113
1531	Preparation of carbon-coated TiO <sub>2</sub> nanostructures for lithium-ion batteries. <b>2011</b> , 56, 5355-5362		70
1530	PEGylated hollow mesoporous silica nanoparticles as potential drug delivery vehicles. <b>2011</b> , 141, 199-206		71
1529	Carbon-doped mesoporous TiO <sub>2</sub> film and its photocatalytic activity. <b>2011</b> , 142, 276-281		90

1528	Simple approach to carboxyl-rich materials through low-temperature heat treatment of hydrothermal carbon in air. <b>2011</b> , 257, 8686-8691	88
1527	Bismuth titanate pyrochlore microspheres: Directed synthesis and their visible light photocatalytic activity. <b>2011</b> , 184, 154-158	43
1526	Improve the catalytic activity of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> particles in decomposition of ammonium perchlorate by coating amorphous carbon on their surface. <b>2011</b> , 184, 387-390	88
1525	Synthesis and photo-degradation application of WO <sub>3</sub> /TiO <sub>2</sub> hollow spheres. <b>2011</b> , 189, 329-35	101
1524	Influence of carbon templates and Yb <sup>3+</sup> concentration on red and green luminescence of uniform Y <sub>2</sub> O <sub>3</sub> :Yb/Er hollow microspheres. <b>2011</b> , 131, 1198-1202	26
1523	Photoluminescent Fe <sub>3</sub> O <sub>4</sub> /carbon nanocomposite with magnetic property. <b>2011</b> , 356, 107-10	12
1522	Carbon nanoparticle ionic liquid hybrids and their photoluminescence properties. <b>2011</b> , 358, 146-50	17
1521	In situ carbon template-based strategy to fabricate ferrite hollow spheres and their magnetic property. <b>2011</b> , 320, 46-51	18
1520	Controlled fabrication of nanosized TiO <sub>2</sub> hollow sphere particles via acid catalytic hydrolysis/hydrothermal treatment. <b>2011</b> , 212, 145-150	36
1519	A glucose oxidase immobilization platform for glucose biosensor using ZnO hollow nanospheres. <b>2011</b> , 155, 304-310	97
1518	Enhanced C <sub>2</sub> H <sub>5</sub> OH sensing characteristics of nano-porous In <sub>2</sub> O <sub>3</sub> hollow spheres prepared by sucrose-mediated hydrothermal reaction. <b>2011</b> , 155, 512-518	82
1517	Reaction of hydrous inorganic metal salts in CO <sub>2</sub> expanded ethanol: Fabrication of nanostructured materials via supercritical technology. <b>2011</b> , 57, 137-142	31
1516	Synthesis of biocompatible and luminescent NaGdF <sub>4</sub> :Yb,Er@ Carbon nanoparticles in water-in-oil microemulsion. <b>2011</b> , 26, 82-87	8
1515	Synthesis of Papercut-Like Carbon Sheets by a Simple Pyrolysis Method. <b>2011</b> , 239-242, 544-547	
1514	Synthesis of Carbon/Carbon Core/Shell Nanofibers by Co-Pyrolysis of Tetrahydrofuran and Ferrocene. <b>2011</b> , 306-307, 1211-1214	1
1513	Preparation of Carbon Nanoparticles by Long Pulsed Laser Ablation in Water with Different Laser Energies. <b>2011</b> , 214, 402-405	6
1512	Preparation and characterization of hollow micro-spheres alumina carrier with honeycomb structure. <b>2011</b> ,	
1511	Design of selective gas sensors using additive-loaded In <sub>2</sub> O <sub>3</sub> hollow spheres prepared by combinatorial hydrothermal reactions. <b>2011</b> , 11, 10603-14	36

1510	Electrochemical Detection of Hydrazine Using Cobalt Hexacyanoferrate Deposited Carbon Sphere Modified Glassy Carbon Electrode. <b>2012</b> , 584, 324-328	
1509	Electrospinning Preparation and Photocatalytic Activity of Porous TiO <sub>2</sub> Nanofibers. <b>2012</b> , 2012, 1-5	14
1508	VAULT PROTEIN-TEMPLATED ASSEMBLIES OF NANOPARTICLES. <b>2012</b> , 07, 1250001	1
1507	ONE-STEP AND CONTROLLABLE SELF-ASSEMBLY OF Au/TiO <sub>2</sub> /CARBON SPHERES TERNARY NANOCOMPOSITES WITH A NANOPARTICLE MONOSHELL WALL. <b>2012</b> , 07, 1250025	6
1506	Preparation and characterization of CaCO <sub>3</sub> crystals and CaCO <sub>3</sub> /La <sub>2</sub> (CO <sub>3</sub> ) <sub>3</sub> composited fluorescent materials. <b>2012</b> , 46, 91-97	3
1505	Facile synthesis of V <sub>2</sub> O <sub>3</sub> /C composite and the effect of V <sub>2</sub> O <sub>3</sub> and V <sub>2</sub> O <sub>3</sub> /C on decomposition of ammonium perchlorate. <b>2012</b> , 7, 782	16
1504	Solvothermal-assisted synthesis of hollow Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> microspheres through carbon spheres templating. <b>2012</b> , 7, 766	
1503	Carbohydrate-derived hydrothermal carbons: a thorough characterization study. <b>2012</b> , 28, 12373-83	212
1502	Nano-Fe <sup>II</sup> encapsulated in microcarbon spheres: synthesis, characterization, and environmental applications. <b>2012</b> , 4, 6235-41	166
1501	A review of controllable synthesis and enhancement of performances of bismuth tungstate visible-light-driven photocatalysts. <b>2012</b> , 2, 694	260
1500	One-pot green synthesis of optically pH-sensitive carbon dots with upconversion luminescence. <b>2012</b> , 4, 5572-5	579
1499	Magnetically recyclable Pt/C(Ni) nanocatalysts with improved selectivity for hydrogenation of o-chloronitrobenzene. <b>2012</b> , 28, 69-72	13
1498	Synthesis of self-assembled layered double hydroxides/carbon composites by in situ solvothermal method and their application in capacitors. <b>2012</b> , 196, 175-181	10
1497	Hydrothermal Synthesis of TiO <sub>2</sub> Porous Hollow Nanospheres for Coating on the Photoelectrode of Dye-Sensitized Solar Cells. <b>2012</b> , 51, 02BP11	2
1496	Facile synthesis of glass/Silver nanodisk core/shell composite hollow spheres. <b>2012</b> , 2, 5058	3
1495	Synthesis of bimetallic Pt-Pd core-shell nanocrystals and their high electrocatalytic activity modulated by Pd shell thickness. <b>2012</b> , 4, 845-51	56
1494	Close-packed mesoporous carbon polyhedrons derived from colloidal carbon microspheres for electrochemical energy storage applications. <b>2012</b> , 2, 10310	10
1493	Templating synthesis of ZnO hollow nanospheres loaded with Au nanoparticles and their enhanced gas sensing properties. <b>2012</b> , 22, 4767	100



1492	Ternary PtRuSnO <sub>2</sub> hybrid architectures: unique carbon-mediated 1-D configuration and their electrocatalytic activity to methanol oxidation. <b>2012</b> , 22, 7104	33
1491	Large scale synthesis of carbon nanospheres and their application as electrode materials for heavy metal ions detection. <b>2012</b> , 36, 113-118	31
1490	Facile functionalization of HTC-derived carbon microspheres. <b>2012</b> , 48, 10984-6	12
1489	One-pot synthesis of carbon-coated VO <sub>2</sub> (B) nanobelts for high-rate lithium storage. <b>2012</b> , 2, 1174-1180	73
1488	One-pot synthesis and catalyst support application of mesoporous N-doped carbonaceous materials. <b>2012</b> , 22, 12149	26
1487	Photocatalytic studies of CdS nanoparticles assembled on carbon microsphere surfaces with different interface structures: from amorphous to graphite-like carbon. <b>2012</b> , 14, 4507	18
1486	Carbon-nanoparticles encapsulated in hollow nickel oxides for supercapacitor application. <b>2012</b> , 22, 16376	141
1485	Nano-architectures of ordered hollow carbon spheres filled with carbon webs by template-free controllable synthesis. <b>2012</b> , 23, 485404	11
1484	Coordination chemistry and antisolvent strategy to rare-earth solid solution colloidal spheres. <b>2012</b> , 134, 19084-91	35
1483	Water-in-trichloroethylene emulsions stabilized by uniform carbon microspheres. <b>2012</b> , 28, 1058-63	12
1482	Pilot Plant Scale Synthesis of CNS: Influence of the Operating Conditions. <b>2012</b> , 51, 6745-6752	5
1481	Plasma Oxidation Kinetics of Gold Nanoparticles and Their Encapsulation in Graphene Shells by Chemical Vapor Deposition Growth. <b>2012</b> , 116, 12861-12874	32
1480	Control of the morphology and chemical properties of carbon spheres prepared from glucose by a hydrothermal method. <b>2012</b> , 27, 1117-1123	74
1479	Facile synthesis of mesoporous SnO <sub>2</sub> fibers with enhanced lithium ion storage properties. <b>2012</b> , 44, 1218-1222	3
1478	Synthesis, characterization, and electrochemical applications of carbon nanoparticles derived from castor oil soot. <b>2012</b> , 88, 445-9	23
1477	New opportunities in Stober synthesis: preparation of microporous and mesoporous carbon spheres. <b>2012</b> , 22, 12636	102
1476	Synthesis, properties and applications of nanoscale nitrides, borides and carbides. <b>2012</b> , 4, 4900-15	49
1475	Acid-catalyzed dehydration of fructose into 5-hydroxymethylfurfural by cellulose-derived amorphous carbon. <b>2012</b> , 5, 2215-20	136

1474	Unraveling the chemical composition of caramel. <b>2012</b> , 60, 3266-74	58
1473	Porous SnS nanorods/carbon hybrid materials as highly stable and high capacity anode for Li-ion batteries. <b>2012</b> , 4, 4093-8	97
1472	Photoluminescent carbogenic nanoparticles directly derived from crude biomass. <b>2012</b> , 14, 3141	60
1471	Electrochemical immunoassay of benzo[a]pyrene based on dual amplification strategy of electron-accelerated Fe <sub>3</sub> O <sub>4</sub> /polyaniline platform and multi-enzyme-functionalized carbon sphere label. <b>2012</b> , 722, 100-6	43
1470	Sensitive electrochemical sensor of tryptophan based on Ag@C core-shell nanocomposite modified glassy carbon electrode. <b>2012</b> , 738, 35-40	53
1469	Fabrication of V <sub>2</sub> O <sub>3</sub> /C core-shell structured composite and VC nanobelts by the thermal treatment of VO <sub>2</sub> /C composite. <b>2012</b> , 258, 9650-9655	16
1468	One template approach to synthesize C-doped titania hollow spheres with high visible-light photocatalytic activity. <b>2012</b> , 195-196, 226-232	30
1467	A nanocomposite precursor strategy to mixed-metal oxides with excellent catalytic activity for thermal decomposition of ammonium perchlorate. <b>2012</b> , 65-66, 14-20	15
1466	Composites of chemically-reduced graphene oxide sheets and carbon nanospheres with three-dimensional network structure as anode materials for lithium ion batteries. <b>2012</b> , 22, 23194	35
1465	An in situ carbonaceous mesoporous template for the synthesis of hierarchical ZSM-5 zeolites by one-pot steam-assisted crystallization. <b>2012</b> , 7, 2772-6	15
1464	Preparation and Catalysis of Carbon-Supported Iron Catalysts for Fischer-Tropsch Synthesis. <b>2012</b> , 4, 1498-1511	81
1463	A competitive strategy coupled with endonuclease-assisted target recycling for DNA detection using silver-nanoparticle-tagged carbon nanospheres as labels. <b>2012</b> , 18, 13871-6	22
1462	Synthesis of multiple-shell WO <sub>3</sub> hollow spheres by a binary carbonaceous template route and their applications in visible-light photocatalysis. <b>2012</b> , 18, 13949-53	73
1461	Preparation of Multi-Metal Oxide Hollow Sphere Using Layered Double Hydroxide Precursors. <b>2012</b> , 30, 2183-2188	11
1460	Synthesis and Characterization of Carbonaceous Materials from Saccharides (Glucose and Lactose) and Two Waste Biomasses by Hydrothermal Carbonization. <b>2012</b> , 51, 9145-9152	67
1459	Comparison of Structural Features of Humins Formed Catalytically from Glucose, Fructose, and 5-Hydroxymethylfurfuraldehyde. <b>2012</b> , 26, 5281-5293	244
1458	A facile photo-induced synthesis of COOH functionalized meso-macroporous carbon films and their excellent sensing capability for aromatic amines. <b>2012</b> , 48, 9029-31	23
1457	Facile synthesis of core-shell Au@CeO <sub>2</sub> nanocomposites with remarkably enhanced catalytic activity for CO oxidation. <b>2012</b> , 5, 8937	232

1456	Black perspectives for a green future: hydrothermal carbons for environment protection and energy storage. <b>2012</b> , 5, 6796	631
1455	Diffusion Induced Reactant Shape Selectivity Inside Mesoporous Pores of [email[protected]]2 Nanoreactor in Suzuki Coupling Reactions. <b>2012</b> , 116, 14986-14991	73
1454	Hydrothermal Carbons: Synthesis, Characterization, and Applications. <b>2012</b> , 351-399	10
1453	Tubular nanocomposite catalysts based on size-controlled and highly dispersed silver nanoparticles assembled on electrospun silica nanotubes for catalytic reduction of 4-nitrophenol. <b>2012</b> , 22, 1387-1395	225
1452	Carbon spheres surface modification and dispersion in polymer matrix. <b>2012</b> , 261, 159-165	16
1451	Direct fabrication of organic carbon coated VO <sub>2</sub> (B) (VO <sub>2</sub> (B)@C) core-shell structured nanobelts by one step hydrothermal route and its formation mechanism. <b>2012</b> , 263, 124-131	23
1450	Synthesis of hollow spherical TiO <sub>2</sub> for dye-sensitized solar cells with enhanced performance. <b>2012</b> , 263, 816-820	28
1449	Coupled synthesis and encapsulation in one-pot method for fabricating size-tunable hollow carbon spheres containing encapsulated Ag microparticles. <b>2012</b> , 410, 170-177	6
1448	One-step hydrothermal preparation of amino-functionalized carbon spheres at low temperature and their enhanced adsorption performance towards Cr(VI) for water purification. <b>2012</b> , 415, 288-294	82
1447	Hydrothermal liquefaction of beech wood using a natural calcium borate mineral. <b>2012</b> , 72, 134-139	62
1446	Promising methane-sensing characteristics of hydrothermal synthesized magnesium zinc ferrite hollow spheres. <b>2012</b> , 67, 617-620	16
1445	One-step solvothermal synthesis of Fe <sub>3</sub> O <sub>4</sub> @C core-shell nanoparticles with tunable sizes. <b>2012</b> , 23, 165601	99
1444	Low-Cost Carbon Nanospheres for Efficient Removal of Organic Dyes from Aqueous Solutions. <b>2012</b> , 51, 13438-13444	32
1443	Synthesis and growth mechanism of monodispersed MoS <sub>2</sub> sheets/carbon microspheres. <b>2012</b> , 14, 3027	17
1442	Easy synthesis of surface-tunable carbon-encapsulated magnetic nanoparticles: adsorbents for selective isolation and preconcentration of organic pollutants. <b>2012</b> , 4, 286-95	86
1441	Glucose-promoted Zn-based metal-organic framework/graphene oxide composites for hydrogen sulfide removal. <b>2012</b> , 4, 4942-7	116
1440	Organic chemistry under hydrothermal conditions. <b>2012</b> , 85, 89-103	11
1439	Microwave-assisted route to fabricate coaxial ZnO/C/CdS nanocables with enhanced visible light-driven photocatalytic activity. <b>2012</b> , 14, 7686	48

1438	Formation of highly luminescent nearly monodisperse carbon quantum dots via emulsion-templated carbonization of carbohydrates. <b>2012</b> , 2, 11223	42
1437	Preparation of carbon coated MoO <sub>2</sub> nanobelts and their high performance as anode materials for lithium ion batteries. <b>2012</b> , 22, 13148	139
1436	Solution synthesis of copper selenide nanocrystals and their electrical transport properties. <b>2012</b> , 14, 2139	47
1435	Preparation of Mo-Embedded Mesoporous Carbon Microspheres for Friedel-Crafts Alkylation. <b>2012</b> , 116, 7767-7775	39
1434	Synthesis and characterization of amino-functionalized single magnetic core-silica shell composites. <b>2012</b> , 14, 1550-1556	6
1433	Controlled synthesis and electrochemical properties of vanadium oxides with different nanostructures. <b>2012</b> , 35, 369-376	22
1432	Temperature-responsive smart nanoreactors: poly(N-isopropylacrylamide)-coated Au@mesoporous-SiO <sub>2</sub> hollow nanospheres. <b>2012</b> , 28, 13452-8	74
1431	Novel hierarchically-packed tin dioxide sheets for fast adsorption of organic pollutant in aqueous solution. <b>2012</b> , 22, 2885-2893	12
1430	Carbon dioxide-assisted fabrication of highly uniform submicron-sized colloidal carbon spheres via hydrothermal carbonization using soft drink. <b>2012</b> , 290, 1567-1573	14
1429	Synthesis of Co <sub>3</sub> O <sub>4</sub> @SnO <sub>2</sub> @C core-shell nanorods with superior reversible lithium-ion storage. <b>2012</b> , 2, 9511	35
1428	Hydrothermal Synthesis of Mesoporous Al <sub>2</sub> O <sub>3</sub> : Influences of pH Values and Aluminum Precursors. <b>2012</b> , 581-582, 396-400	1
1427	Preparation, characterization and photocatalytic performance of titania particles encapsulated in hollow silica shells as an efficient photocatalyst for redox-combined stereoselective synthesis of L-pipecolinic acid from L-lysine. <b>2012</b> , 246, 50-59	11
1426	Fine control of titania deposition to prepare C@TiO <sub>2</sub> composites and TiO <sub>2</sub> hollow particles for photocatalysis and lithium-ion battery applications. <b>2012</b> , 22, 22135	56
1425	Preparation of r-GO/Carbon Sphere/PANI Composites with a High Supercapacity. <b>2012</b> , 519, 201-205	2
1424	Large scale electrochemical synthesis of high quality carbon nanodots and their photocatalytic property. <b>2012</b> , 41, 9526-31	567
1423	Photochemical Behavior of Carbon Adsorbents. <b>2012</b> , 521-547	7
1422	First identification of primary nanoparticles in the aggregation of HMF. <b>2012</b> , 7, 38	20
1421	Fabrication, structure, and properties of Fe <sub>3</sub> O <sub>4</sub> @C encapsulated with YVO <sub>4</sub> :Eu <sup>3+</sup> composites. <b>2012</b> , 14, 1	10

1420	Synthesis and analytical applications of photoluminescent carbon nanodots. <b>2012</b> , 14, 917	329
1419	Facile synthesis of graphitic carbon quantum dots with size tunability and uniformity using reverse micelles. <b>2012</b> , 48, 5256-8	191
1418	Hydrothermal preparation of carbon nanosheets and their supercapacitive behavior. <b>2012</b> , 22, 11458	13
1417	Small quantities of cobalt deposited on tin oxide as anode material to improve performance of lithium-ion batteries. <b>2012</b> , 4, 5731-7	12
1416	Transparent superhydrophobic/superhydrophilic coatings for self-cleaning and anti-fogging. <b>2012</b> , 101, 033701	117
1415	Chemical Synthesis of Carbon Materials With Intriguing Nanostructure and Morphology. <b>2012</b> , 213, 1107-1131	104
1414	Materials for rechargeable lithium-ion batteries. <b>2012</b> , 3, 445-71	184
1413	Carbon-doped Titania Hollow Spheres with Tunable Hierarchical Macroporous Channels and Enhanced Visible Light-induced Photocatalytic Activity. <b>2012</b> , 4, 488-491	42
1412	Disposable electrochemical immunosensor by using carbon sphere/gold nanoparticle composites as labels for signal amplification. <b>2012</b> , 18, 4994-8	86
1411	A YolkShell Fe <sub>3</sub> O <sub>4</sub> @C Composite as an Anode Material for High-Rate Lithium Batteries. <b>2012</b> , 77, 748-751	55
1410	Solvothermal synthesis of LiCo <sub>1-x</sub> Mn <sub>x</sub> PO <sub>4</sub> /C cathode materials for lithium-ion batteries. <b>2012</b> , 18, 507-512	13
1409	The reduction of graphene oxide. <b>2012</b> , 50, 3210-3228	3551
1408	Hydrophobic precipitation of carbonaceous spheres from fructose by a hydrothermal process. <b>2012</b> , 50, 2155-2161	76
1407	Synthesis of a novel Ni/C catalyst derived from a composite precursor for hydrodechlorination. <b>2012</b> , 19, 56-60	18
1406	Fabrication of carbon microspheres@PbMoO <sub>4</sub> core-shell hybrid structures and its visible light-induced photocatalytic activity. <b>2012</b> , 24, 85-89	14
1405	Synthesis and characterization of belt-like VO <sub>2</sub> (B)@carbon and V <sub>2</sub> O <sub>3</sub> @carbon core-shell structured composites. <b>2012</b> , 396, 144-152	39
1404	Enhanced photocatalytic water splitting activity of carbon-modified TiO <sub>2</sub> composite materials synthesized by a green synthetic approach. <b>2012</b> , 37, 8257-8267	91
1403	Deactivation of Ni/TiO <sub>2</sub> catalyst in the hydrogenation of nitrobenzene in water and improvement in its stability by coating a layer of hydrophobic carbon. <b>2012</b> , 291, 149-154	104

1402	Triplex signal amplification for electrochemical DNA biosensing by coupling probe-gold nanoparticles-graphene modified electrode with enzyme functionalized carbon sphere as tracer. <b>2012</b> , 33, 228-32	85
1401	Electrically contacted enzyme based on dual hairpin DNA structure and its application for amplified detection of Hg <sup>2+</sup> . <b>2012</b> , 35, 108-114	30
1400	Fabrication of carbons dendritic hierarchical structure via easy copper substrate-induced solvothermal process at low temperature. <b>2012</b> , 7, 265	
1399	Preparation and photocatalytic activity of hollow ZnO and ZnO/CuO composite spheres. <b>2012</b> , 67, 303-307	47
1398	Calcium-assisted hydrothermal carbonization of an alginate for the production of carbon microspheres with unique surface nanopores. <b>2012</b> , 67, 365-368	22
1397	Electrostatic self-assembly of TiO <sub>2</sub> nanoparticles onto carbon spheres with enhanced adsorption capability for Cr(VI). <b>2012</b> , 68, 174-177	22
1396	The synthesis and characterization of Keggin-type POMs hollow spheres: A simple strategy to prepare POM-based nano/microstructures. <b>2012</b> , 78, 22-24	9
1395	Facile synthesis of poly(amidoamine)-modified carbon nanospheres supported Pt nanoparticles for direct methanol fuel cells. <b>2012</b> , 201, 81-87	31
1394	Naked Pd nanoparticles supported on carbon nanodots as efficient anode catalysts for methanol oxidation in alkaline fuel cells. <b>2012</b> , 204, 85-88	67
1393	Facile hydrogen generation using colloidal carbon supported cobalt to catalyze hydrolysis of sodium borohydride. <b>2012</b> , 211, 33-39	63
1392	The role of carbon incorporation in SnO <sub>2</sub> nanoparticles for Li rechargeable batteries. <b>2012</b> , 211, 154-160	55
1391	CuO/ZnO heterometallic hollow spheres: Morphology and defect structure. <b>2012</b> , 186, 76-80	17
1390	Synthesis of TiO <sub>2</sub> nanoparticles with mesoporous spherical morphology by a wet chemical method. <b>2012</b> , 82, 208-210	13
1389	One-pot hydrothermal synthesis of CuO/ZnO composite hollow spheres for selective H <sub>2</sub> S detection. <b>2012</b> , 168, 83-89	99
1388	Preparation and photocatalytic properties of hybrid core-shell reusable CoFe <sub>2</sub> O <sub>4</sub> /ZnO nanospheres. <b>2012</b> , 324, 2597-2601	37
1387	One-pot synthesis of nickel oxide/carbon composite microspheres on nickel foam for supercapacitors. <b>2012</b> , 47, 2182-2187	18
1386	Sensor for hydrogen peroxide using a hemoglobin-modified glassy carbon electrode prepared by enhanced loading of silver nanoparticle onto carbon nanospheres via spontaneous polymerization of dopamine. <b>2012</b> , 176, 405-410	15
1385	Preparation of monodisperse polystyrene/silver composite microspheres and their catalytic properties. <b>2012</b> , 290, 401-409	25

1384	SO <sub>3</sub> H-functionalized mesoporous carbon/silica composite with a spherical morphology and its excellent catalytic performance for biodiesel production. <b>2013</b> , 20, 1423-1431	5
1383	Removal of uranium(VI) from aqueous solutions by carboxyl-rich hydrothermal carbon spheres through low-temperature heat treatment in air. <b>2013</b> , 298, 361-368	23
1382	Sorption study of uranium on carbon spheres hydrothermal synthesized with glucose from aqueous solution. <b>2013</b> , 295, 1775-1782	36
1381	Effects of alkaline precipitating agents on synthesis of magnetite nanomaterials by hydrothermal d-glucose method. <b>2013</b> , 15, 1	5
1380	Synthesis, characterization, and electrochemical applications of multifunctional Fe <sub>3</sub> O <sub>4</sub> @C/Au nanocomposites. <b>2013</b> , 15, 1	5
1379	AgNPs/PVA and AgNPs/(PVA/PEI) hybrids: preparation, morphology and antibacterial activity. <b>2013</b> , 46, 345303	10
1378	Facile fabrication of core-shell-structured Ag@carbon and mesoporous yolk-shell-structured Ag@carbon@silica by an extended Stober method. <b>2013</b> , 19, 6942-5	115
1377	Carbohydrate-Derived Carbon Sheaths on TiO <sub>2</sub> Nanoparticle Photoanodes for Efficiency Enhancement in Dye-Sensitized Solar Cells. <b>2013</b> , 30, 1030-1033	7
1376	Assembling metal oxide nanocrystals into dense, hollow, porous nanoparticles for lithium-ion and lithium-oxygen battery application. <b>2013</b> , 5, 10390-6	39
1375	Pure-phase La <sub>2</sub> (WO <sub>4</sub> ) <sub>3</sub> :Eu <sup>3+</sup> nanocrystals and spindle-like NaLa(WO <sub>4</sub> ) <sub>2</sub> :Yb <sup>3+</sup> /Er <sup>3+</sup> nano/microcrystals: selective synthesis, morphologies and photoluminescent properties. <b>2013</b> , 42, 11445-54	21
1374	One-step solid-state synthesis of carbon nanotubes with surface functionality and their application in water treatment. <b>2013</b> , 3, 16990	8
1373	Solvothermal synthesis of mesoporous NiCo <sub>2</sub> O <sub>4</sub> spinel oxide nanostructure for high-performance electrochemical capacitor electrode. <b>2013</b> , 19, 1535-1544	34
1372	Hydrothermal deoxygenation of graphene oxide: chemical and structural evolution. <b>2013</b> , 8, 2070-8	48
1371	Exploring a novel approach to fabricate vanadium carbide encapsulated into carbon nanotube (VC@C) with large specific surface area. <b>2013</b> , 36, 345-351	12
1370	One pot synthesis of a highly water-dispersible hybrid glucose carbides and reduced graphene oxide material with superior electrical capacitance. <b>2013</b> , 48, 8277-8286	8
1369	Preparation of Magnetic Ordered Mesoporous Carbon Composite and Its Application in Direct Electrochemistry of Horseradish Peroxidase. <b>2013</b> , 25, 2159-2165	6
1368	Controlling carbon encapsulation of gold nano-aggregates as highly sensitive and spectrally stable SERS tags for live cell imaging. <b>2013</b> , 1, 4364-4369	22
1367	Carbon nanoparticle-based fluorescent bioimaging probes. <b>2013</b> , 3, 1473	551

1366	Synthesis and characteristics of pure $\text{ZnGa}_2\text{O}_3$ and $\text{Tb}^{3+}$ doped $\text{ZnGa}_2\text{O}_3$ hollow nanostructures. <b>2013</b> , 111, 67-70	11
1365	Nanoscale Carbide and Nitride Catalysts. <b>2013</b> , 371-404	5
1364	Hydrothermal synthesis of raisin-bun-like $\text{CdTe}@\text{C}$ nanocomposites toward enhanced photoluminescence and low cytotoxicity. <b>2013</b> , 37, 2751	3
1363	Magnetic nanoparticle supported hyperbranched polyglycerol catalysts for synthesis of 4-benzopyran. <b>2013</b> , 144, 1551-1558	29
1362	Enabling New Classes of Templated Materials through Mesoporous Carbon Colloidal Crystals. <b>2013</b> , 1, 300-304	14
1361	The Role of the Nickel Catalyst and Its Chemical and Structural Evolution During Carbon Nanoparticle Growth. <b>2013</b> , 42, 417-425	5
1360	Synthesis and performances of bio-sourced nanostructured carbon membranes elaborated by hydrothermal conversion of beer industry wastes. <b>2013</b> , 8, 121	2
1359	A spontaneous dissolution approach to carbon coated $\text{TiO}_2$ hollow composite spheres with enhanced visible photocatalytic performance. <b>2013</b> , 286, 344-350	21
1358	Multifunctional $\text{Fe}_3\text{O}_4@\text{C}/\text{YVO}_4:\text{Dy}^{3+}$ nanopowders: Preparation, luminescence and magnetic properties. <b>2013</b> , 39, 6391-6397	9
1357	$\text{Cu}_3\text{V}_2\text{O}_8$ hollow spheres in photocatalysis and primary lithium batteries. <b>2013</b> , 25, 15-21	33
1356	Carbon sphere influence on textural properties and bioactivity of mesoporous bioactive glass/hydroxyapatite nanocomposite. <b>2013</b> , 39, 3947-3956	7
1355	Methylene dipyridine nanoparticles stabilized on $\text{Fe}_3\text{O}_4$ as catalysts for efficient, green, and one-pot synthesis of pyrazolophthalazinyl spirooxindoles. <b>2013</b> , 217, 80-85	27
1354	Green "planting" nanostructured single crystal silver. <b>2013</b> , 3, 1511	20
1353	Sodium salt effect on hydrothermal carbonization of biomass: a catalyst for carbon-based nanostructured materials for lithium-ion battery applications. <b>2013</b> , 15, 2722	51
1352	One-pot synthesis of uniform $\text{Fe}_3\text{O}_4$ nanocrystals encapsulated in interconnected carbon nanospheres for superior lithium storage capability. <b>2013</b> , 57, 130-138	93
1351	A facile approach for the synthesis of niobia/carbon composites having improved hydrothermal stability for aqueous-phase reactions. <b>2013</b> , 302, 93-100	46
1350	Spherical $\text{Rh}_{17}\text{S}_{15}@\text{C}$ and $\text{Rh}@\text{C}$ core-shell nanocomposites: Synthesis, growth mechanism and methanol tolerance in oxygen reduction reaction. <b>2013</b> , 228, 45-53	10
1349	Convenient synthesis of porous carbon nanospheres with tunable pore structure and excellent adsorption capacity. <b>2013</b> , 262, 256-64	96



1348	Nanostructured silicon/porous carbon spherical composite as a high capacity anode for Li-ion batteries. <b>2013</b> , 1, 15068	129
1347	One-step synthesis of intrinsically functionalized fluorescent carbon nanoparticles by hydrothermal carbonization from different carbon sources. <b>2013</b> , 15, 1	8
1346	One step synthesis of Bi@Bi <sub>2</sub> O <sub>3</sub> @carboxylate-rich carbon spheres with enhanced photocatalytic performance. <b>2013</b> , 48, 4601-4605	18
1345	Nanomaterials: A Danger or a Promise?. <b>2013</b> ,	33
1344	Hydrothermal nanocasting: Synthesis of hierarchically porous carbon monoliths and their application in lithium-sulfur batteries. <b>2013</b> , 61, 245-253	115
1343	Facile preparation of hierarchical hollow structure gamma alumina and a study of its adsorption capacity. <b>2013</b> , 283, 1032-1040	55
1342	Poly(dopamine) coated gold nanocluster functionalized electrochemical immunosensor for brominated flame retardants using multienzyme-labeling carbon hollow nanochains as signal amplifiers. <b>2013</b> , 45, 82-8	26
1341	Green Carbon. <b>2013</b> , 1-36	
1340	Characterization of Hydrothermal Carbonization Materials. <b>2013</b> , 151-211	3
1339	Hydrothermally Synthesized Carbonaceous Nanocomposites. <b>2013</b> , 101-124	
1338	SIMPLE SYNTHESIS OF UNIFORM Fe <sub>2</sub> O <sub>3</sub> MICROSPHERES WITH EXCELLENT PHOTOCATALYTIC PERFORMANCE USING POLY (N-VINYL-2-PYRROLIDONE). <b>2013</b> , 08, 1350053	2
1337	Porous graphitic carbon nanosheets as a high-rate anode material for lithium-ion batteries. <b>2013</b> , 5, 9537-45	128
1336	Facile synthesis of porous carbon@Fe <sub>3</sub> O <sub>4</sub> composites and their applications in wastewater treatment. <b>2013</b> , 106, 107-110	21
1335	Magnetically separable porous carbon nanospheres as solid acid catalysts. <b>2013</b> , 3, 20999	28
1334	Gold-silver nanocomposite-functionalized graphene sensing platform for an electrochemiluminescent immunoassay of a tumor marker. <b>2013</b> , 3, 14701	32
1333	Fabrication of thermally stable and active bimetallic Au-Ag nanoparticles stabilized on inner wall of mesoporous silica shell. <b>2013</b> , 42, 13940-7	16
1332	General Formation of Complex Tubular Nanostructures of Metal Oxides for the Oxygen Reduction Reaction and Lithium-Ion Batteries. <b>2013</b> , 125, 8805-8809	48
1331	Fabrication of Supercapacitors using Carbon Microspheres Synthesized from Resorcinol-formaldehyde Resin. <b>2013</b> , 1, 332-337	6

1330	One-pot hydrothermal synthesis and reusable oil-adsorbing properties of porous carbonaceous monoliths using multi-walled carbon nanotubes as templates. <b>2013</b> , 3, 14938	13
1329	Environment-friendly facile synthesis of Pt nanoparticles supported on polydopamine modified carbon materials. <b>2013</b> , 1, 3945	76
1328	One-step fabrication of high performance micro/nanostructured Fe <sub>3</sub> S <sub>4</sub> magnetic adsorbent with easy recovery and regeneration properties. <b>2013</b> , 15, 2956	34
1327	Homogeneous core/shell Bi <sub>2</sub> WO <sub>6</sub> spherical photocatalysts: their controlled synthesis and enhanced visible-light photocatalytic performances. <b>2013</b> , 3, 6631	12
1326	Superparamagnetic functional C@FeO nanoflowers: development and application in acetaminophen delivery. <b>2013</b> , 1, 5908-5915	16
1325	Graphitic domain layered titania nanotube arrays for separation and shuttling of solar-driven electrons. <b>2013</b> , 1, 203-207	6
1324	Low fractions of ionic liquid or poly(ionic liquid) can activate polysaccharide biomass into shaped, flexible and fire-retardant porous carbons. <b>2013</b> , 1, 11887	45
1323	Fibrous and flexible supercapacitors with a hierarchical nanostructure comprised of carbon spheres and graphene. <b>2013</b> ,	1
1322	The enhanced photocatalytic and bactericidal activities of carbon microsphere-assisted solvothermally synthesized cocoon-shaped Sn(4+)-doped ZnO nanoparticles. <b>2013</b> , 42, 13855-65	27
1321	C-isolated Ag-C-Co sandwich sphere-nanostructures and their high activity catalysis induced by surface plasmon resonance. <b>2013</b> , 5, 8602-8	11
1320	Well-crystallized mesoporous TiO <sub>2</sub> shells for enhanced photocatalytic activity: prepared by carbon coating and silica-protected calcination. <b>2013</b> , 42, 5004-12	39
1319	Facile synthesis of thermal-responsive P(NIPAM-S)/SiO <sub>2</sub> hybrid hollow spheres and their controllable release properties for fragrance. <b>2013</b> , 4, 3293	23
1318	Multifunctional carbon nanospheres with magnetic and luminescent probes: probable brain theranostic agents. <b>2013</b> , 1, 939-945	8
1317	Synthesis and magnetic properties of size-controlled CoNi alloy nanoparticles. <b>2013</b> , 546, 229-233	27
1316	Metal Fe <sup>3+</sup> ions assisted synthesis of highly monodisperse Ag/SiO <sub>2</sub> nano hybrids and their antibacterial activity. <b>2013</b> , 550, 209-215	17
1315	Carbon spheres-assisted strategy to prepare mesoporous manganese dioxide for supercapacitor applications. <b>2013</b> , 197, 29-37	23
1314	Synthesis and low-potential electrogenerated chemiluminescence of surface passivated phenol formaldehyde resin@CdS quantum dots. <b>2013</b> , 1, 299-306	27
1313	Large scale synthesis of photoluminescent carbon nanodots and their application for bioimaging. <b>2013</b> , 5, 1967-71	212

1312	A Template-Free and Surfactant-Free Method for High-Yield Synthesis of Highly Monodisperse 3-Aminophenol/Formaldehyde Resin and Carbon Nano/Microspheres. <b>2013</b> , 46, 140-145	133
1311	Growth of highly crystalline nickel particles by diffusional capture of atoms. <b>2013</b> , 138, 014703	6
1310	Novel MoO <sub>2</sub> /carbon hierarchical nano/microcomposites: synthesis, characterization, solid state transformations and thiophene HDS activity. <b>2013</b> , 42, 2822-30	19
1309	Functional nanoporous carbons from hydrothermally treated biomass for environmental purification. <b>2013</b> , 168, 92-101	100
1308	Facile synthesis of hollow sphere amorphous MnO <sub>2</sub> : the formation mechanism, morphology and effect of a bivalent cation-containing electrolyte on its supercapacitive behavior. <b>2013</b> , 1, 4300	106
1307	A topotactic synthetic methodology to mesoporous compound HLaNb <sub>2</sub> O <sub>7</sub> . <b>2013</b> , 108, 264-266	1
1306	Mesopore-functional carbon sphere nanochains and their integration with alloy nanoparticles for enhanced electrochemical performances. <b>2013</b> , 114, 334-340	4
1305	Controllable encapsulation of cobalt clusters inside carbon nanotubes as effective catalysts for Fischer-Tropsch synthesis. <b>2013</b> , 215, 24-28	56
1304	Bifunctional sensor of pentachlorophenol and copper ions based on nanostructured hybrid films of humic acid and exfoliated layered double hydroxide via a facile layer-by-layer assembly. <b>2013</b> , 785, 34-42	28
1303	Facile preparation of Cu <sub>2</sub> O/carbon sphere heterostructure with high photocatalytic activity. <b>2013</b> , 98, 213-216	17
1302	Carbonaceous spheres in unusual template for solid metal oxide mesoscale spheres: Application to ZnO spheres. <b>2013</b> , 202, 291-299	15
1301	Fabrication of belt-like VO <sub>2</sub> (M)@C core-shell structured composite to improve the electrochemical properties of VO <sub>2</sub> (M). <b>2013</b> , 13, 47-52	23
1300	Core-shell structured Ag@C for direct electrochemistry and hydrogen peroxide biosensor applications. <b>2013</b> , 48, 258-62	50
1299	Ultra-sensitive and selective Hg <sup>2+</sup> detection based on fluorescent carbon dots. <b>2013</b> , 48, 2529-2534	110
1298	Dextrose-aided hydrothermal preparation with large surface area on 1D single-crystalline perovskite La <sub>0.5</sub> Sr <sub>0.5</sub> CoO <sub>3</sub> nanowires without template: Highly catalytic activity for methane combustion. <b>2013</b> , 378, 299-306	46
1297	Synthesis and capacitive performance of nitrogen doped porous carbons derived from sodium carboxymethyl starch. <b>2013</b> , 246, 201-209	9
1296	The formation of onion-like carbon-encapsulated cobalt carbide core/shell nanoparticles by the laser ablation of metallic cobalt in acetone. <b>2013</b> , 55, 108-115	105
1295	One-pot hydrothermal preparation and catalytic performance of porous strontium ferrite hollow spheres for the combustion of toluene. <b>2013</b> , 370, 189-196	13

1294	Synthesis of a sugar-organometallic compound 1,1'-difurfurylferrocene and its microwave preparation of carbon/iron oxide nanocomposite. <b>2013</b> , 264, 242-246	4
1293	Ultrasensitive electrochemiluminescence immunoassay for tumor marker based on quantum dots coated carbon nanospheres. <b>2013</b> , 144, 6-12	8
1292	Adsorption of 1-butyl-3-methylimidazolium chloride ionic liquid by functional carbon microspheres from hydrothermal carbonization of cellulose. <b>2013</b> , 47, 2792-8	80
1291	One-step solvothermal carbonization to microporous carbon materials derived from cyclodextrins. <b>2013</b> , 1, 9456	24
1290	Nanomaterials from Renewable Resources. <b>2013</b> , 335-356	2
1289	Förster resonance energy transfer and carbon dots enhance light harvesting in a solid-state quantum dot solar cell. <b>2013</b> , 1, 3907	70
1288	Extremely high inhibition activity of photoluminescent carbon nanodots toward cancer cells. <b>2013</b> , 1, 1774-1781	141
1287	Rhodium nanoparticle-carbon nanosphere hybrid material as an electrochemical hydrogen sensor. <b>2013</b> , 3, 5361	21
1286	Design and construction of polymerized-glucose coated Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles for delivery of aspirin. <b>2013</b> , 236, 157-163	42
1285	Facile one-pot synthesis of VxOy@C catalysts using sucrose for the direct hydroxylation of benzene to phenol. <b>2013</b> , 15, 1150	55
1284	Biomass-derived sponge-like carbonaceous hydrogels and aerogels for supercapacitors. <b>2013</b> , 7, 3589-97	489
1283	Sensitive and selective electrochemical detection of dopamine using an electrode modified with carboxylated carbonaceous spheres. <b>2013</b> , 138, 2683-90	59
1282	Multiplex templating process in one-dimensional nanoscale: controllable synthesis, macroscopic assemblies, and applications. <b>2013</b> , 46, 1450-61	131
1281	Improving hydrothermal carbonization by using poly(ionic liquid)s. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 6028-32	16.4 126
1280	Pore size control of monodispersed starburst carbon spheres. <b>2013</b> , 51, 27-35	12
1279	Uniform hamburger-like mesoporous carbon-incorporated ZnO nanoarchitectures: One-pot solvothermal synthesis, high adsorption and visible-light photocatalytic decolorization of dyes. <b>2013</b> , 138-139, 1-8	89
1278	Facile fabrication and enhanced photocatalytic performance of Ag/AgCl/rGO heterostructure photocatalyst. <b>2013</b> , 5, 2161-8	158
1277	Low temperature synthesis and photocatalytic property of perovskite-type LaCoO <sub>3</sub> hollow spheres. <b>2013</b> , 576, 5-12	64

1276	One-step synthesis of easy-recycling TiO <sub>2</sub> -rGO nanocomposite photocatalysts with enhanced photocatalytic activity. <b>2013</b> , 132-133, 452-459		337
1275	Carbon-coated CdS petalous nanostructures with enhanced photostability and photocatalytic activity. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 5636-9	16.4	310
1274	Iron nanoparticles in situ encapsulated in biochar-based carbon as an effective catalyst for the conversion of biomass-derived syngas to liquid hydrocarbons. <b>2013</b> , 15, 1631		140
1273	Facile carbonaceous microsphere templated synthesis of Co <sub>3</sub> O <sub>4</sub> hollow spheres and their electrochemical performance in supercapacitors. <b>2013</b> , 6, 87-98		81
1272	Synthesis of structure-controlled carbon nano spheres by solution plasma process. <b>2013</b> , 60, 292-298		111
1271	Hydrothermal liquefaction of cellulose in subcritical water: The role of crystallinity on the cellulose reactivity. <b>2013</b> , 3, 11035		56
1270	Casein-coated iron oxide nanoparticles for high MRI contrast enhancement and efficient cell targeting. <b>2013</b> , 5, 4632-9		121
1269	Size-controllable palladium nanoparticles immobilized on carbon nanospheres for nitroaromatic hydrogenation. <b>2013</b> , 1, 3783		81
1268	Photoluminescent nanographitic/nitrogen-doped graphitic hollow shells as a potential candidate for biological applications. <b>2013</b> , 1, 1229-1234		10
1267	Template-Assisted Formation of Rattle-type V <sub>2</sub> O <sub>5</sub> Hollow Microspheres with Enhanced Lithium Storage Properties. <b>2013</b> , 23, 5669-5674		140
1266	Improving Hydrothermal Carbonization by Using Poly(ionic liquid)s. <b>2013</b> , 125, 6144-6148		30
1265	Ruthenium nanoparticles on colloidal carbon spheres: An efficient catalyst for hydrogenation of ethyl lactate in aqueous phase. <b>2013</b> , 40, 37-41		15
1264	Precisely controlled resorcinol-formaldehyde resin coating for fabricating core-shell, hollow, and yolk-shell carbon nanostructures. <b>2013</b> , 5, 6908-16		123
1263	One-Step Synthesis and High-Efficiency Decoloration of Multifunctional Porous-C/Fe O Nanospheres by Using a Sandwich-Structured Precursor with Three Roles. <b>2013</b> , 78, 816-822		
1262	Uniform hollow TiO <sub>2</sub> :Sm <sup>3+</sup> spheres: Solvothermal synthesis and luminescence properties. <b>2013</b> , 239, 403-408		21
1261	Facile synthesis of Fe <sub>2</sub> O <sub>3</sub> hollow sub-microstructures, morphological control and magnetic properties. <b>2013</b> , 15, 6184		19
1260	General formation of complex tubular nanostructures of metal oxides for the oxygen reduction reaction and lithium-ion batteries. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 8643-7	16.4	179
1259	Ultrahigh-efficiency photocatalysts based on mesoporous Pt-WO <sub>3</sub> nano hybrids. <b>2013</b> , 15, 6773-8		46

1258	PEGylated upconverting luminescent hollow nanospheres for drug delivery and in vivo imaging. <b>2013</b> , 9, 3235-41	43
1257	Cellulose-derived superparamagnetic carbonaceous solid acid catalyst for cellulose hydrolysis in an ionic liquid or aqueous reaction system. <b>2013</b> , 15, 2167	116
1256	Aggregation- and Leaching-Resistant, Reusable, and Multifunctional [email[protected]] <sub>2</sub> as a Robust Nanocatalyst Achieved by a Hollow Core-Shell Strategy. <b>2013</b> , 25, 1979-1988	211
1255	Ag nanoparticles in hollow magnetic mesoporous spheres: A highly efficient and magnetically separable catalyst for synthesis of phenamines. <b>2013</b> , 140, 1-6	22
1254	Nanoporous carbons from hydrothermally treated biomass as anode materials for lithium ion batteries. <b>2013</b> , 174, 25-33	64
1253	One-pot green synthesis of cerium oxide-carbon microspheres and their catalytic ozonation activity. <b>2013</b> , 1, 6169	12
1252	Effective Hydrolysis of Cellulose into Glucose over Sulfonated Sugar-Derived Carbon in an Ionic Liquid. <b>2013</b> , 52, 8167-8173	66
1251	Carbon-Coated CdS Petal-like Nanostructures with Enhanced Photostability and Photocatalytic Activity. <b>2013</b> , 125, 5746-5749	106
1250	Synthesis and characterization of a novel mesoporous bioactive glass/hydroxyapatite nanocomposite. <b>2013</b> , 92, 444-447	19
1249	Pd nanoparticles in hollow magnetic mesoporous spheres: High activity, and magnetic recyclability. <b>2013</b> , 367, 46-51	23
1248	Flexible Coral-like Carbon Nanoarchitectures via a Dual Block Copolymer-Latex Templating Approach. <b>2013</b> , 25, 4781-4790	52
1247	Hollow versus nonhollow: The electrochemical preference in a case study of the conversion reaction of Fe <sub>3</sub> O <sub>4</sub> . <b>2013</b> , 105, 47-52	10
1246	CNT@Fe <sub>3</sub> O <sub>4</sub> @C coaxial nanocables: one-pot, additive-free synthesis and remarkable lithium storage behavior. <b>2013</b> , 19, 9866-74	103
1245	Fluorescent artificial enzyme-linked immunoassay system based on Pd/C nanocatalyst and fluorescent chemodosimeter. <b>2013</b> , 85, 11602-9	23
1244	Carbon spheres obtained via citric acid catalysed hydrothermal carbonisation of cellulose. <b>2013</b> , 17, 546-551	28
1243	Synthesis and properties of multiple shell hollow SiO <sub>2</sub> @CeO <sub>2</sub> microspheres. <b>2013</b> , 8, 131-134	
1242	Preparation and Properties of Cage-Like Nano ZnO. <b>2013</b> , 333-335, 1862-1866	
1241	Effects of Surfactant Concentration on the Microstructures of TiO <sub>2</sub> Hollow Spheres by Hydrothermal Method. <b>2013</b> , 634-638, 2189-2192	1

1240	An easy synthesis of nanostructured magnetite-loaded functionalized carbon spheres and cobalt ferrite. <b>2013</b> , 66, 4387-4398	14
1239	Indirect transformation of coordination-polymer particles into magnetic carbon-coated MN <sub>3</sub> O <sub>4</sub> (MN <sub>3</sub> O <sub>4</sub> @C) nanowires for supercapacitor electrodes with good cycling performance. <b>2013</b> , 19, 7084-9	43
1238	CoreShell Catalyst CuO/ZnO/Al <sub>2</sub> O <sub>3</sub> @Al <sub>2</sub> O <sub>3</sub> for Dimethyl Ether Synthesis from Syngas. <b>2013</b> , 42, 335-337	7
1237	Preparation of Amorphous Carbon Nanotubes (a-CNTs) from Vanadium Dioxide@Organic Carbon CoreShell-structured Composites and Their Thermal Stability in Air. <b>2013</b> , 42, 1502-1504	1
1236	Intrinsic Peroxidase-like Catalytic Activity of Hydrophilic Mesoporous Carbons. <b>2013</b> , 42, 785-787	7
1235	Recent advances in superparamagnetic iron oxide nanoparticles for cellular imaging and targeted therapy research. <b>2013</b> , 19, 6575-93	92
1234	Hydrothermal Carbonization of Spent Osmotic Solution (SOS) Generated from Osmotic Dehydration of Blueberries. <b>2014</b> , 4, 239-259	4
1233	Hydrothermal preparation of hybrid carbon/silica monolithic capillary column for liquid chromatography. <b>2014</b> , 37, 1911-8	10
1232	Quinuclidine Stabilized on FeNi Nanoparticles as Catalysts for Efficient, Green, and One-Pot Synthesis of Triazolo[1,2-a]indazole-triones. <b>2014</b> , 79, 278-283	22
1231	Designed synthesis of tunable amorphous carbon nanotubes (a-CNTs) by a novel route and their oxidation resistance properties. <b>2014</b> , 37, 1397-1402	7
1230	Superlow load of nanosized MnO on a porous carbon matrix from wood fibre with superior lithium ion storage performance. <b>2014</b> , 2, 19975-19982	71
1229	Chemical approach to a new crystal structure: phase control of manganese oxide on a carbon sphere template. <b>2014</b> , 9, 3525-32	3
1228	Controlled synthesis of sustainable N-doped hollow core-mesoporous shell carbonaceous nanospheres from biomass. <b>2014</b> , 7, 1809-1819	50
1227	Indirect growth of mesoporous Bi@C core-shell nanowires for enhanced lithium-ion storage. <b>2014</b> , 6, 13236-41	48
1226	Direct writing of flexible bimetallic nanoparticles for hybrid plasmon response. <b>2014</b> , 105, 151908	5
1225	A carbon modified NaTaO <sub>3</sub> mesocrystal nanoparticle with excellent efficiency of visible light induced photocatalysis. <b>2014</b> , 2, 20832-20840	34
1224	Anionic ligand assisted synthesis of 3-D hollow TiO <sub>2</sub> architecture with enhanced photoelectrochemical performance. <b>2014</b> , 30, 15531-9	9
1223	Hierarchical MoS <sub>2</sub> shells supported on carbon spheres for highly reversible lithium storage. <b>2014</b> , 20, 5219-23	149

1222	High-Rate Oxygen Electroreduction over Graphitic-N Species Exposed on 3D Hierarchically Porous Nitrogen-Doped Carbons. <b>2014</b> , 126, 9657-9661	37
1221	Scalable preparation of nitrogen-enriched carbon microspheres for efficient CO <sub>2</sub> capture. <b>2014</b> , 4, 61456-61464	9
1220	Magnetically Responsive Core-Shell Pd/Fe <sub>3</sub> O <sub>4</sub> @C Composite Catalysts for the Hydrogenation of Cinnamaldehyde. <b>2014</b> , 144, 2065-2070	11
1219	Comparison of carbon materials as electrodes for enzyme electrocatalysis: hydrogenase as a case study. <b>2014</b> , 172, 473-96	26
1218	Preparation of Anatase Hollow TiO <sub>2</sub> Spheres and Their Photocatalytic Activity in the Photodegradation of Chlorpyrifos. <b>2014</b> , 61, 1211-1216	7
1217	Synthesis of multi-shelled ZnO hollow microspheres and their improved photocatalytic activity. <b>2014</b> , 9, 468	31
1216	Synthesis and Characterization of Ag@C Core-Shell Structures. <b>2014</b> , 04, 1441008	6
1215	Flexible cage-like carbon spheres with ordered mesoporous structures prepared via a soft-template/hydrothermal process from carboxymethylcellulose. <b>2014</b> , 4, 61518-61524	25
1214	Carbon quantum dot stabilized gadolinium nanoprobe prepared via a one-pot hydrothermal approach for magnetic resonance and fluorescence dual-modality bioimaging. <b>2014</b> , 86, 12122-9	129
1213	Novel Two-Dimensional Carbon Nanomaterials: Synthesis and Excellent Lithium Storage Properties. <b>2014</b> , 1070-1072, 483-487	
1212	Low temperature synthesis of highly stable phosphate functionalized two color carbon nanodots and their application in cell imaging. <b>2014</b> , 66, 351-360	98
1211	The effect of light-scattering layer on the performance of dye-sensitized solar cell assembled using TiO <sub>2</sub> double-layered films as photoanodes. <b>2014</b> , 65, 152-160	27
1210	Fabrication of hollow silica microspheres utilizing a hydrothermal approach. <b>2014</b> , 25, 627-629	12
1209	Hollow and hollow core/shell CeO <sub>2</sub> /SiO <sub>2</sub> @CeO <sub>2</sub> spheres: Synthesis, structure evolution and catalytic properties. <b>2014</b> , 586, 441-447	15
1208	Preparation and characterization of monodisperse, micrometer-sized, hierarchically porous carbon spheres as catalyst support. <b>2014</b> , 242, 285-293	42
1207	Synthesis of ZnO@Co <sub>2</sub> O <sub>3</sub> -Bi <sub>2</sub> O <sub>3</sub> -MnO core-shell structured nanoparticles for varistors applications. <b>2014</b> , 264, 514-518	1
1206	Fe@C@Gd <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> magnetic-fluorescent composites: Facile synthesis, structure and properties. <b>2014</b> , 143, 939-945	3
1205	Diazabicyclo[2.2.2]octane stabilized on Fe <sub>3</sub> O <sub>4</sub> as catalysts for synthesis of coumarin under solvent-free conditions. <b>2014</b> , 11, 27-33	22



1204	Carbon nanoparticles based non-enzymatic glucose sensor. <b>2014</b> , 94, 28-35	6
1203	Effect of Carbon Shell on the Structural and Magnetic Properties of Fe <sub>3</sub> O <sub>4</sub> Superparamagnetic Nanoparticles. <b>2014</b> , 27, 187-194	25
1202	PbS nanoparticles stabilized on HPG-modified FeNi <sub>3</sub> as catalyst for synthesis of 2-amino-4H-chromene under mild conditions. <b>2014</b> , 11, 1197-1205	5
1201	The preparation of tubular heterostructures based on titanium dioxide and silica nanotubes and their photocatalytic activity. <b>2014</b> , 43, 1846-53	11
1200	Mesoporous microspheres composed of carbon-coated TiO <sub>2</sub> nanocrystals with exposed {001} facets for improved visible light photocatalytic activity. <b>2014</b> , 147, 958-964	104
1199	Nanoflakes-assembled three-dimensional hollow-porous v <sub>2</sub> o <sub>5</sub> as lithium storage cathodes with high-rate capacity. <b>2014</b> , 10, 3032-7	84
1198	Ink-jet Printing of Hollow SnO <sub>2</sub> Nanospheres for Gas Sensing Applications. <b>2014</b> , 97, 1035-1040	22
1197	Manganese(III) Salen Complex Immobilized on Fe <sub>3</sub> O <sub>4</sub> Magnetic Nanoparticles: The Efficient, Green and Reusable Nanocatalyst. <b>2014</b> , 32, 349-355	25
1196	Thermoset/thermoplastic hybrid nanoparticles and composite coatings. <b>2014</b> , 55, 2305-2315	7
1195	An easy approach of preparing strongly luminescent carbon dots and their polymer based composites for enhancing solar cell efficiency. <b>2014</b> , 70, 190-198	141
1194	Oil palm trunk and sugarcane bagasse derived solid acid catalysts for rapid esterification of fatty acids and moisture-assisted transesterification of oils under pseudo-infinite methanol. <b>2014</b> , 157, 254-62	38
1193	Uniform TiO <sub>2</sub> /SiO <sub>2</sub> hollow nanospheres: Synthesis, characterization and enhanced adsorption/photodegradation of azo dyes and phenol. <b>2014</b> , 305, 562-574	82
1192	Removal of uranium(VI) from aqueous solutions by new phosphorus-containing carbon spheres synthesized via one-step hydrothermal carbonization of glucose in the presence of phosphoric acid. <b>2014</b> , 299, 1479-1487	26
1191	A facile in situ fabrication and visible-light-response photocatalytic properties of porous carbon sphere/InOOH nanocomposites. <b>2014</b> , 16, 1	5
1190	Synthesis, characterization, and application of monodisperse gelatin-stabilized silver nanospheres in reduction of aromatic nitro compounds. <b>2014</b> , 76, 12-18	3
1189	Photoluminescent green carbon nanodots from food-waste-derived sources: large-scale synthesis, properties, and biomedical applications. <b>2014</b> , 6, 3365-70	329
1188	Multi-shelled CeO <sub>2</sub> /hollow microspheres as superior photocatalysts for water oxidation. <b>2014</b> , 6, 4072-7	226
1187	Synthesis of graphene/carbon sphere hybrid aerogel with silver nanoparticles and its catalytic and adsorption applications. <b>2014</b> , 244, 160-167	86

1186	Hollow-structured mesoporous materials: chemical synthesis, functionalization and applications. <b>2014</b> , 26, 3176-205	595
1185	Amorphous RuO <sub>2</sub> coated on carbon spheres as excellent electrode materials for supercapacitors. <b>2014</b> , 4, 6927	49
1184	Highly uniform Gd(OH) <sub>3</sub> and Gd <sub>2</sub> O <sub>3</sub> :Eu <sup>3+</sup> hexagram-like microcrystals: glucose-assisted hydrothermal synthesis, growth mechanism and luminescence property. <b>2014</b> , 40, 6569-6577	19
1183	Functionalized carbon nanoparticles, blacks and soots as electron-transfer building blocks and conduits. <b>2014</b> , 9, 1226-41	34
1182	Application of Hydrothermal Reactions to Biomass Conversion. <b>2014</b> ,	20
1181	In situ growth of copper nanocrystals from carbonaceous microspheres with electrochemical glucose sensing properties. <b>2014</b> , 50, 118-127	5
1180	Homogeneous SnO <sub>2</sub> core-shell microspheres: Microwave-assisted hydrothermal synthesis, morphology control and photocatalytic properties. <b>2014</b> , 50, 191-196	11
1179	A versatile designed synthesis of magnetically separable nano-catalysts with well-defined core-shell nanostructures. <b>2014</b> , 2, 6071-6074	57
1178	Green hydrothermal synthesis of CeO <sub>2</sub> NWs/reduced graphene oxide hybrid with enhanced photocatalytic activity. <b>2014</b> , 29, 8-13	12
1177	Dual protection of sulfur by carbon nanospheres and graphene sheets for lithium-sulfur batteries. <b>2014</b> , 20, 5224-30	34
1176	Steric-repulsion-based magnetically responsive photonic crystals. <b>2014</b> , 26, 1058-64	90
1175	Coupled hydrothermal synthesis/hot pressing of PbSe/C@PbTe heterostructured composites with enhanced thermoelectric performance. <b>2014</b> , 117, 49-52	6
1174	Facile synthesis of specific FeMnO <sub>3</sub> hollow sphere/graphene composites and their superior electrochemical energy storage performances for supercapacitor. <b>2014</b> , 248, 465-473	40
1173	Efficient plasmonic dye-sensitized solar cells with fluorescent Au-encapsulated C-dots. <b>2014</b> , 15, 1106-15	10
1172	Generalized synthesis of yolk-shell metal oxide spheres. <b>2014</b> , 40, 3149-3154	4
1171	Fischer-Tropsch synthesis: Iron catalysts supported on N-doped carbon spheres prepared by chemical vapor deposition and hydrothermal approaches. <b>2014</b> , 311, 80-87	92
1170	Cobalt nanoparticles in hollow mesoporous spheres as a highly efficient and rapid magnetically separable catalyst for selective epoxidation of styrene with molecular oxygen. <b>2014</b> , 4, 47-53	32
1169	Carbonization Under Pressure. <b>2014</b> , 67-85	3

1168	High-yield and high-solubility nitrogen-doped carbon dots: formation, fluorescence mechanism and imaging application. <b>2014</b> , 4, 1563-1566	80
1167	Graphene oxide assisted hydrothermal carbonization of carbon hydrates. <b>2014</b> , 8, 449-57	114
1166	Yolk-shell structured Fe <sub>3</sub> O <sub>4</sub> @C@F-TiO <sub>2</sub> microspheres with surface fluorinated as recyclable visible-light driven photocatalysts. <b>2014</b> , 150-151, 515-522	47
1165	Fast synthesis of carbon microspheres via a microwave-assisted reaction for sodium ion batteries. <b>2014</b> , 2, 1263-1267	120
1164	Preparation, characterization and gas sensing properties of sub-micron porous WO <sub>3</sub> spheres. <b>2014</b> , 117, 41-44	33
1163	Preparation and antibacterial property of silver decorated carbon microspheres. <b>2014</b> , 292, 480-487	21
1162	Novel banana peel pectin mediated green route for the synthesis of hydroxyapatite nanoparticles and their spectral characterization. <b>2014</b> , 118, 589-97	95
1161	Preparation of Fe <sub>2</sub> O <sub>3</sub> @C@MoO <sub>3</sub> core/shell nanocomposites as magnetically recyclable catalysts for efficient and selective epoxidation of olefins. <b>2014</b> , 43, 6041-9	35
1160	Application of functionalized magnetic nanoparticles in sample preparation. <b>2014</b> , 406, 377-99	202
1159	High specific surface area LaMO <sub>3</sub> (M = Co, Mn) hollow spheres: synthesis, characterization and catalytic properties in methane combustion. <b>2014</b> , 4, 58699-58707	12
1158	Oriented and Interlinked Porous Carbon Nanosheets with an Extraordinary Capacitive Performance. <b>2014</b> , 26, 6896-6903	161
1157	One-pot Stober route yields template for Ag@carbon yolk-shell nanostructures. <b>2014</b> , 50, 9056-9	50
1156	High-quality carbon dots: synthesis, peroxidase-like activity and their application in the detection of H <sub>2</sub> O <sub>2</sub> , Ag <sup>+</sup> and Fe <sup>3+</sup> . <b>2014</b> , 4, 17387-17392	92
1155	Hydrothermal synthesis of ordered mesoporous carbons from a biomass-derived precursor for electrochemical capacitors. <b>2014</b> , 6, 14657-61	84
1154	High-performance amorphous carbon/graphene nanocomposite anode for lithium-ion batteries. <b>2014</b> , 4, 18899	16
1153	Synthesis of carbon embedded MFe <sub>2</sub> O <sub>4</sub> (M = Ni, Zn and Co) nanoparticles as efficient hydrogenation catalysts. <b>2014</b> , 43, 12077-84	13
1152	N-doped mesoporous carbon spheres as the oxygen reduction reaction catalysts. <b>2014</b> , 2, 18139-18146	168
1151	Fundamental Science of Carbon Materials. <b>2014</b> , 17-217	9

1150	Updating biomass into functional carbon material in ionothermal manner. <b>2014</b> , 6, 12515-22	81
1149	Aqueous Phase Hydrogenation of Quinoline to Decahydroquinoline Catalyzed by Ruthenium Nanoparticles Supported on Glucose-Derived Carbon Spheres. <b>2014</b> , 6, 2954-2960	35
1148	Manganese dioxide core-shell nanowires in situ grown on carbon spheres for supercapacitor application. <b>2014</b> , 16, 4016	28
1147	Facile synthesis of nitrogen-doped carbon derived from polydopamine-coated $\text{Li}_3\text{V}_2(\text{PO}_4)_3$ as cathode material for lithium-ion batteries. <b>2014</b> , 4, 38791-38796	31
1146	Single-step green synthesis of imine-functionalized carbon spheres and their application in uranium removal from aqueous solution. <b>2014</b> , 4, 46114-46121	18
1145	Porous $\text{TiO}_2$ nanoribbons and $\text{TiO}_2$ nanoribbon/carbon dot composites for enhanced Li-ion storage. <b>2014</b> , 4, 12971-12976	29
1144	A new type of hybrid nanostructure: complete photo-generated carrier separation and ultrahigh photocatalytic activity. <b>2014</b> , 2, 14245-14250	30
1143	Synthesis of nitrogen-doped mesoporous carbon spheres with extra-large pores through assembly of diblock copolymer micelles. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 588-93	16.4 185
1142	Organic linker geometry controlled synthesis of coordination polymer spheres and their thermal transformation to yolk-shell metal oxides. <b>2014</b> , 2, 15480-15487	9
1141	A novel aptasensor based on MUC-1 conjugated CNSs for ultrasensitive detection of tumor cells. <b>2014</b> , 139, 4917-23	39
1140	A triblock-copolymer-templating route to carbon spheres@SBA-15 large mesopore core-shell and hollow structures. <b>2014</b> , 4, 48676-48681	4
1139	Highly stable and active palladium nanoparticles supported on porous carbon for practical catalytic applications. <b>2014</b> , 2, 16015-16022	72
1138	Hierarchical nanoscale multi-shell Au/CeO <sub>2</sub> hollow spheres. <b>2014</b> , 5, 4221-4226	100
1137	Urchin-like $\text{TiO}_2/\text{C}$ core-shell microspheres: coupled synthesis and lithium-ion battery applications. <b>2014</b> , 16, 8808-11	23
1136	Surface-nanostructured cactus-like carbon microspheres for efficient photovoltaic devices. <b>2014</b> , 2, 15132	9
1135	Rational synthesis of superparamagnetic core-shell structured mesoporous microspheres with large pore sizes. <b>2014</b> , 2, 18322-18328	36
1134	Fluorescent carbon nanowires made by pyrolysis of DNA nanofibers and plasmon-assisted emission enhancement of their fluorescence. <b>2014</b> , 50, 11887-90	8
1133	Sustainable and scalable production of monodisperse and highly uniform colloidal carbonaceous spheres using sodium polyacrylate as the dispersant. <b>2014</b> , 50, 12633-6	48

1132	Nitrogen-enriched carbon from bamboo fungus with superior oxygen reduction reaction activity. <b>2014</b> , 2, 18263-18270	63
1131	Facile non-hydrothermal synthesis of oligosaccharides coated sub-5 nm magnetic iron oxide nanoparticles with dual MRI contrast enhancement effect. <b>2014</b> ,	56
1130	Pd nanoparticles immobilized in a microporous/mesoporous composite ZIF-8/MSS: A multifunctional catalyst for the hydrogenation of alkenes. <b>2014</b> , 197, 324-330	32
1129	A new type of p-type NiO/n-type ZnO nano-heterojunctions with enhanced photocatalytic activity. <b>2014</b> , 4, 34649	26
1128	General synthesis of multi-shelled mixed metal oxide hollow spheres with superior lithium storage properties. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 9041-4	16.4 204
1127	ZnCl <sub>2</sub> -activated porous carbon spheres with high surface area and superior mesoporous structure as an efficient supercapacitor electrode. <b>2014</b> , 4, 40546-40552	50
1126	Core-shell Catalysts of Metal Nanoparticle Core and Metal-Organic Framework Shell. <b>2014</b> , 4, 4409-4419	281
1125	An easily prepared palladium-hydrogel nanocomposite catalyst for C-C coupling reactions. <b>2014</b> , 2, 18952-18958	6
1124	Carboxyl-rich carbon microspheres prepared from pentosan with high adsorption capacity for heavy metal ions. <b>2014</b> , 60, 516-523	29
1123	Facile synthesis of nanorod-assembled multi-shelled Co <sub>3</sub> O <sub>4</sub> hollow microspheres for high-performance supercapacitors. <b>2014</b> , 272, 107-112	94
1122	Synthesis of Zn <sub>1-x</sub> Mg <sub>x</sub> O alloyed nanostructures and the crystal evolution in annealing process. <b>2014</b> , 616, 633-638	3
1121	Surfactant-directed atomic to mesoscale alignment: metal nanocrystals encased individually in single-crystalline porous nanostructures. <b>2014</b> , 136, 10561-4	133
1120	A strategy for in-situ synthesis of well-defined core-shell Au@TiO <sub>2</sub> hollow spheres for enhanced photocatalytic hydrogen evolution. <b>2014</b> , 257, 112-121	44
1119	Soft-templating pathway to create nanostructured MgAl spinel as high-temperature absorbent for SO <sub>2</sub> . <b>2014</b> , 21, 947-956	2
1118	A new metal-free carbon hybrid for enhanced photocatalysis. <b>2014</b> , 6, 16745-54	144
1117	Furfural-induced hydrothermal synthesis of ZnO@C gemel hexagonal microrods with enhanced photocatalytic activity and stability. <b>2014</b> , 6, 8560-6	58
1116	Facile hydrothermal synthesis of carbon nanoparticles and possible application as white light phosphors and catalysts for the reduction of nitrophenol. <b>2014</b> , 4, 11481	32
1115	Ionic liquid immobilized on FeNi <sub>3</sub> as catalysts for efficient, green, and one-pot synthesis of 1,3-thiazolidin-4-one. <b>2014</b> , 199, 440-444	24

1114	Facile synthesis of hollow sphere MnCO <sub>3</sub> : A cheap and environmentally benign anode material for Li-ion batteries. <b>2014</b> , 136, 411-415	23
1113	Synthesis of tantalum pentoxide hollow spheres utilizing a sacrificial templating approach. <b>2014</b> , 136, 4-6	8
1112	SnO <sub>2</sub> : A comprehensive review on structures and gas sensors. <b>2014</b> , 66, 112-255	689
1111	TiO <sub>2</sub> hollow spheres composed of highly crystalline nanocrystals exhibit superior lithium storage properties. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 12590-3	16.4 77
1110	Carbon nanotubes-dispersed TiO <sub>2</sub> nanoparticles with their enhanced photocatalytic activity. <b>2014</b> , 59, 278-282	4
1109	Tunable, functional carbon spheres derived from rapid synthesis of resorcinol-formaldehyde resins. <b>2014</b> , 6, 10649-55	78
1108	Sodium hydroxide-mediated hydrogel of citrus pectin for preparation of fluorescent carbon dots for bioimaging. <b>2014</b> , 123, 493-7	32
1107	Synthesis of carbon/carbon composites by hydrothermal carbonization using starch as carbon source. <b>2014</b> , 4, 12586-12589	17
1106	General synthesis of hollow MnO <sub>2</sub> , Mn <sub>3</sub> O <sub>4</sub> and MnO nanospheres as superior anode materials for lithium ion batteries. <b>2014</b> , 2, 17421-17426	189
1105	Removal of hydrophilic ionic liquids from aqueous solutions by adsorption onto high surface area oxygenated carbonaceous material. <b>2014</b> , 256, 407-414	43
1104	Efficient removal of Eriochrome black-T from aqueous solution using NiFe <sub>2</sub> O <sub>4</sub> magnetic nanoparticles. <b>2014</b> , 12, 112	70
1103	An Efficient Way To Introduce Hierarchical Structure into Biomass-Based Hydrothermal Carbonaceous Materials. <b>2014</b> , 2, 2435-2441	77
1102	An interface-directed coassembly approach to synthesize uniform large-pore mesoporous silica spheres. <b>2014</b> , 136, 1884-92	79
1101	Porous structure SnSb/amorphous carbon core-shell composite as high capacity anode materials for lithium ion batteries. <b>2014</b> , 18, 2573-2579	4
1100	A general and facile method to prepare uniform gamma-alumina hollow microspheres from waste oil shale ash. <b>2014</b> , 133, 143-146	6
1099	Synthesis of V <sub>2</sub> O <sub>3</sub> /C composites with different morphologies by a facile route and phase transition properties of the compounds. <b>2014</b> , 32, 236-242	9
1098	Efficient capture of strontium from aqueous solutions using graphene oxide-hydroxyapatite nanocomposites. <b>2014</b> , 43, 7464-72	96
1097	Sonochemical preparation of carbon spheres. <b>2014</b> , 21, 943-5	2

1096	Hydrothermal deoxygenation of graphene oxide in sub- and supercritical water. <b>2014</b> , 4, 22589	44
1095	Carbon-ensemble-manipulated ZnS heterostructures for enhanced photocatalytic H <sub>2</sub> evolution. <b>2014</b> , 6, 9673-80	64
1094	Composite titanium dioxide nanomaterials. <b>2014</b> , 114, 9853-89	498
1093	Hydrogenolysis of cellulose to valuable chemicals over activated carbon supported mono- and bimetallic nickel/tungsten catalysts. <b>2014</b> , 16, 3580-3588	54
1092	Facile one-pot fabrication of hollow porous silica nanoparticles. <b>2014</b> , 20, 673-7	19
1091	Composites of boron-doped carbon nanosheets and iron oxide nanoneedles: fabrication and lithium ion storage performance. <b>2014</b> , 2, 9111-9117	20
1090	Design of highly sensitive and selective Au@NiO yolk-shell nanoreactors for gas sensor applications. <b>2014</b> , 6, 8292-9	148
1089	High performance dielectric composites by latex compounding of graphene oxide-encapsulated carbon nanosphere hybrids with XNBR. <b>2014</b> , 2, 11144-11154	61
1088	High-rate oxygen electroreduction over graphitic-N species exposed on 3D hierarchically porous nitrogen-doped carbons. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 9503-7	16.4 316
1087	Na <sup>+</sup> -functionalized carbon quantum dots: a new draw solute in forward osmosis for seawater desalination. <b>2014</b> , 50, 7318-21	137
1086	General Synthesis of Multi-Shelled Mixed Metal Oxide Hollow Spheres with Superior Lithium Storage Properties. <b>2014</b> , 126, 9187-9190	72
1085	Hydrothermal Nanocarbons. <b>2014</b> , 351-406	
1084	Preparation of Ultrafine Carbon Spheres by Controlled Polymerization of Furfuryl Alcohol in Microdroplets. <b>2014</b> , 53, 3084-3090	18
1083	Adsorptive removal of U(VI) from aqueous solution by hydrothermal carbon spheres with phosphate group. <b>2014</b> , 300, 1235-1244	38
1082	Carbon materials as template for the preparation of mixed oxides with controlled morphology and porous structure. <b>2014</b> , 227, 233-241	16
1081	Selective Carbon Coating Techniques for Improving Electrochemical Properties of NiO Nanosheets. <b>2014</b> , 133, 93-99	34
1080	Effect of carbonization treatment on the morphology and microstructure of mesoporous bioactive glass/nanocrystalline hydroxyapatite nanocomposite. <b>2014</b> , 389, 104-112	9
1079	Synthesis and formaldehyde sensing performance of LaFeO <sub>3</sub> hollow nanospheres. <b>2014</b> , 63, 21-26	36

1078	Dye-sensitized solar cells based on TiO <sub>2</sub> hollow spheres/TiO <sub>2</sub> nanotube array composite films. <b>2014</b> , 309, 85-89	37
1077	Oil palm trunk and sugarcane bagasse derived heterogeneous acid catalysts for production of fatty acid methyl esters. <b>2014</b> , 70, 493-503	42
1076	MnO <sub>2</sub> @colloid carbon spheres nanocomposites with tunable interior architecture for supercapacitors. <b>2014</b> , 49, 448-453	36
1075	Hollow SnO <sub>2</sub> microspheres and their carbon-coated composites for supercapacitors. <b>2014</b> , 444, 26-32	50
1074	Sesbania gum-based magnetic carbonaceous nanocomposites: Facile fabrication and adsorption behavior. <b>2014</b> , 446, 163-171	26
1073	Evolution of disposable bamboo chopsticks into uniform carbon fibers: a smart strategy to fabricate sustainable anodes for Li-ion batteries. <b>2014</b> , 7, 2670-2679	219
1072	Porous carbon spheres and monoliths: morphology control, pore size tuning and their applications as Li-ion battery anode materials. <b>2014</b> , 43, 4341-56	474
1071	Fe <sub>3</sub> O <sub>4</sub> /C nanocomposites having distinctive antioxidant activity and hemolysis prevention efficiency. <b>2014</b> , 42, 595-600	35
1070	An investigation into formation mechanism of amorphous hierarchical porous carbons by diatomite as template: Effect of furfuryl alcohol and glucose. <b>2014</b> , 45, 2742-2748	1
1069	Inorganic nanocrystals: From molecular design to systematic engineering. <b>2014</b> , 17, 1-10	5
1068	The mechanism of blue photoluminescence from carbon nanodots. <b>2014</b> , 16, 4981-4986	45
1067	Meso- and micro- porous composite carbons derived from humic acid for supercapacitors. <b>2014</b> , 136, 504-512	78
1066	Carbon deposited TiO <sub>2</sub> -based nanosheets with enhanced adsorption ability and visible light photocatalytic activity. <b>2014</b> , 392, 208-215	12
1065	In-situ hydrothermal synthesis of carbon nanorice using Nafion as a template. <b>2014</b> , 77, 660-666	7
1064	Synthesis of hollow core-shell ZnCo <sub>2</sub> O <sub>4</sub> spheres and their formation mechanism. <b>2014</b> , 40, 1599-1603	11
1063	Continuous-Flow Synthesis of Functional Carbonaceous Particles from Biomass under Hydrothermal Carbonization. <b>2014</b> , 4, 195-199	4
1062	Preparation of Au-Decorated Ag@C Nanoparticle and Its Biosensing Application. <b>2014</b> , 43, 781-783	2
1061	A sensitive amperometric acetylcholine biosensor based on carbon nanosphere and acetylcholinesterase modified electrode for detection of pesticide residues. <b>2014</b> , 30, 669-73	12



1060	TiO <sub>2</sub> Hollow Spheres Composed of Highly Crystalline Nanocrystals Exhibit Superior Lithium Storage Properties. <b>2014</b> , 126, 12798-12801	41
1059	Preparation and characterisation of carbonaceous products with three-dimensional grape-bunch structure via self-assembling of saccharides and hydroxylated multi-wall carbon nanotubes through hydrothermal method. <b>2015</b> , 19, S2-125-S2-132	
1058	Investigation of interaction between U(VI) and carbonaceous nanofibers by batch experiments and modeling study. <b>2015</b> , 460, 237-46	78
1057	Synthesis of Carbon Nanotube-Carbon Nanosphere on the CF Surface by CVD. <b>2015</b> , 1134, 209-212	2
1056	Bioconjugation efficiency of plasma-functionalized carbon-encapsulated iron nanoparticles with biotin-avidin system. <b>2015</b> , 1, 045104	6
1055	Synthesis of highly nanoporous YBO <sub>3</sub> architecture via a co-precipitation approach and tunable luminescent properties. <b>2015</b> , 37, 277-83	4
1054	Synthesis of Nitrogen-Doped Mesoporous Carbon Spheres with Extra-Large Pores through Assembly of Diblock Copolymer Micelles. <b>2015</b> , 127, 598-603	94
1053	Gradient Porous Elastic Hydrogels with Shape-Memory Property and Anisotropic Responses for Programmable Locomotion. <b>2015</b> , 25, 7272-7279	179
1052	In Situ Carbon-Doped Mo(S <sub>e</sub> 0.85 S <sub>o</sub> .15 ) <sub>2</sub> Hierarchical Nanotubes as Stable Anodes for High-Performance Sodium-Ion Batteries. <b>2015</b> , 11, 5667-74	89
1051	Porous Hybrid Composites of Few-Layer MoS <sub>2</sub> Nanosheets Embedded in a Carbon Matrix with an Excellent Supercapacitor Electrode Performance. <b>2015</b> , 11, 6480-90	89
1050	Design of Carbon-Encapsulated Fe <sub>3</sub> O <sub>4</sub> Nanocatalyst with Enhanced Performance for Fischer-Tropsch Synthesis. <b>2015</b> , 7, 2323-2327	29
1049	Porous Carbon Supports: Recent Advances with Various Morphologies and Compositions. <b>2015</b> , 7, 2788-2805	67
1048	Hierarchical MoS <sub>2</sub> @Carbon Microspheres as Advanced Anodes for Li-Ion Batteries. <b>2015</b> , 21, 18187-91	47
1047	Nitrogen-Enriched Fe <sub>3</sub> O <sub>4</sub> @Carbon Nanospheres Derived from Fe <sub>3</sub> O <sub>4</sub> @3-Aminophenol/Formaldehyde Resin Nanospheres Based on a Facile Hydrothermal Strategy: Towards a Robust Catalyst Scaffold for Platinum Nanocrystals. <b>2015</b> , 10, 2651-9	3
1046	Green and energy-efficient methods for the production of metallic nanoparticles. <b>2015</b> , 6, 2354-76	37
1045	A General Synthesis Strategy for Hierarchical Porous Metal Oxide Hollow Spheres. <b>2015</b> , 2015, 1-7	3
1044	Synthesis of Salt Responsive Spherical Polymer Brushes. <b>2015</b> , 2015, 1-7	6
1043	Template-Assisted Synthesis of Metal Oxide Hollow Spheres Utilizing Glucose Derived-Carbonaceous Spheres As Sacrificial Templates. <b>2015</b> , 05,	4

1042	Facile access to B-doped solid-state fluorescent carbon dots toward light emitting devices and cell imaging agents. <b>2015</b> , 3, 6668-6675	84
1041	Broad family of carbon nanoallotropes: classification, chemistry, and applications of fullerenes, carbon dots, nanotubes, graphene, nanodiamonds, and combined superstructures. <b>2015</b> , 115, 4744-822	1137
1040	Ultrahigh surface area carbon from carbonated beverages: Combining self-templating process and in situ activation. <b>2015</b> , 93, 39-47	20
1039	A peptide nucleic acid-functionalized carbon nitride nanosheet as a probe for in situ monitoring of intracellular microRNA. <b>2015</b> , 140, 4245-52	27
1038	Preparation and tribological properties of polyimide/carbon sphere microcomposite films under seawater condition. <b>2015</b> , 90, 175-184	20
1037	Preparation of hollow core/shell CeO <sub>2</sub> @TiO <sub>2</sub> with enhanced photocatalytic performance. <b>2015</b> , 50, 5228-5237	15
1036	Synthesis of uniform and size-controllable carbon nanospheres by a simple hydrothermal method and fabrication of carbon nanosphere super-hydrophobic surface. <b>2015</b> , 347, 535-540	31
1035	Stress Analysis in Spherical Composition-Gradient Electrodes of Lithium-Ion Battery. <b>2015</b> , 162, A223-A228	19
1034	Stability study of ultra-low Pt thin film on TiO <sub>2</sub> core-shell structure and TiO <sub>2</sub> encapsulated in carbon nanospheres as cathode catalyst in PEMFC. <b>2015</b> , 150, 645-655	26
1033	Monodisperse core-shell structured magnetic mesoporous aluminosilicate nanospheres with large dendritic mesochannels. <b>2015</b> , 8, 2503-2514	70
1032	Hydroxyl-rich nanoporous carbon nanosheets synthesized by a one-pot method and their application in the in situ preparation of well-dispersed Ag nanoparticles. <b>2015</b> , 5, 96062-96066	7
1031	Polymer and Carbon Spheres with an Embedded Shell of Plasmonic Gold Nanoparticles. <b>2015</b> , 4, 1351-1355	15
1030	Optimal Synthesis of Manganese Oxide/Carbon Sphere Hybrids through a Chemical Deposition Process. <b>2015</b> , 4, M46-M50	2
1029	Yolk-shell Au@CeO <sub>2</sub> microspheres: Synthesis and application in the photocatalytic degradation of methylene blue dye. <b>2015</b> , 271, 119-126	17
1028	Glucose-ethanol-assisted synthesis of amorphous CoO@C core-shell composites for electrochemical capacitors electrode. <b>2015</b> , 266, 141-147	25
1027	Design of vanadium oxide core-shell nanoplatelets for lithium ion storage. <b>2015</b> , 3, 2861-2868	31
1026	Facile synthesis of carbon nanoparticles from sodium alginate via ultrasonic-assisted nano-precipitation and thermal acid dehydration for ferric ion sensing. <b>2015</b> , 209, 997-1004	35
1025	In situ quantitation of intracellular microRNA in the whole cell cycle with a functionalized carbon nanosphere probe. <b>2015</b> , 51, 2141-4	21

1024	Hydrothermal synthesis of magnetic mesoporous carbon microspheres from carboxymethylcellulose and nickel acetate. <b>2015</b> , 332, 354-361	30
1023	Direct laser writing of chips based on hybrid C-Au-Ag nanoparticles for express analysis of hazardous and biological substances. <b>2015</b> , 15, 1742-7	20
1022	One-pot syntheses and characterization of zirconium carbide microspheres by carbon microencapsulation. <b>2015</b> , 41, 6740-6746	7
1021	Synthesis, morphology, photoluminescence and photocatalytic properties of yolk-shell Au@Y2O3:Eu3+ sub-microspheres. <b>2015</b> , 627, 31-38	9
1020	Oriented immobilization of Au nanoparticles on C@P4VP core-shell microspheres and their catalytic performance. <b>2015</b> , 39, 2949-2955	14
1019	Hydrothermal Carbonization of Biomass. <b>2015</b> , 325-352	15
1018	Synthesis of ZrO2:Fe nanostructures with visible-light driven H2 evolution activity. <b>2015</b> , 3, 2701-2706	26
1017	A sensitive glucose biosensor based on Ag@C core-shell matrix. <b>2015</b> , 49, 579-587	33
1016	Mesoporous carbon microspheres with high capacitive performances for supercapacitors. <b>2015</b> , 158, 237-245	34
1015	Hollow Al2O3 spheres prepared by a simple and tunable hydrothermal method. <b>2015</b> , 5, 13385-13391	15
1014	A highly sensitive nonenzymatic glucose sensor based on CuO nanoparticles decorated carbon spheres. <b>2015</b> , 211, 385-391	102
1013	Gigantic enhancement in the dielectric properties of polymer-based composites using core/shell MWCNT/amorphous carbon nanohybrids. <b>2015</b> , 7, 3660-7	65
1012	Facile and generalized encapsulations of inorganic nanocrystals with nitrogen-doped carbonaceous coating for multifunctionality. <b>2015</b> , 7, 3254-62	10
1011	Surface capacitive contributions: Towards high rate anode materials for sodium ion batteries. <b>2015</b> , 12, 224-230	301
1010	A wide-spectrum-responsive TiO2 photoanode for photoelectrochemical cells. <b>2015</b> , 168-169, 483-489	22
1009	Hydrothermal carbonization of carboxymethylcellulose: One-pot preparation of conductive carbon microspheres and water-soluble fluorescent carbon nanodots. <b>2015</b> , 266, 112-120	71
1008	Pure carbon nanodots for excellent photocatalytic hydrogen generation. <b>2015</b> , 5, 21332-21335	40
1007	Efficient synthesis of promising liquid fuels 5-ethoxymethylfurfural from carbohydrates. <b>2015</b> , 150, 236-242	66

1006	Carbonaceous Dye-Sensitized Solar Cell Photoelectrodes. <b>2015</b> , 2, 1400025	37
1005	Graphene-Based Carbon Nanoparticles for Bioimaging Applications. <b>2015</b> , 57-84	1
1004	Hydrothermal synthesis of anatase titanium dioxide mesoporous microspheres and their antimicrobial activity. <b>2015</b> , 213, 181-187	9
1003	Ordered porous TiO <sub>2</sub> films obtained by freezing and the application in dye sensitized solar cells. <b>2015</b> , 15, 662-668	21
1002	Easy preparation and characterization of graphene using liquid nitrogen and electron beam irradiation. <b>2015</b> , 149, 15-17	8
1001	Fabrication of Pd-loaded carbon spheres with magnetic properties as active catalysts. <b>2015</b> , 119, 603-608	
1000	(L)-Lysine-assisted fabrication of Pd <sub>x</sub> Pt <sub>1-x</sub> /Ni(OH) <sub>2</sub> (0 ≤ x ≤ 1) hybrids with composition-dependent catalytic properties. <b>2015</b> , 44, 2425-30	12
999	Efficient hydrochlorination of glycerol to dichlorohydrin over the COOH-functionalized mesoporous carbon/silica composites. <b>2015</b> , 22, 57-64	1
998	Formation of carbon nanospheres via ultrashort pulse laser irradiation of methane. <b>2015</b> , 156, 47-53	7
997	Y <sub>2</sub> O <sub>3</sub> :Yb,Er@mSiO <sub>2</sub> -Cu(x)S double-shelled hollow spheres for enhanced chemo-/photothermal anti-cancer therapy and dual-modal imaging. <b>2015</b> , 7, 12180-91	52
996	Uniform Concave Polystyrene-Carbon Core-Shell Nanospheres by a Swelling Induced Buckling Process. <b>2015</b> , 137, 9772-5	42
995	Synthesis and luminescence properties of highly uniform SiO <sub>2</sub> @LaPO <sub>4</sub> :Eu <sup>3+</sup> core-shell phosphors. <b>2015</b> , 83, 795-800	15
994	Nitrogen-doped ordered mesoporous carbon sphere with short channel as an efficient metal-free catalyst for oxygen reduction reaction. <b>2015</b> , 5, 70010-70016	26
993	Glucose assisted synthesis of hollow spindle LiMnPO <sub>4</sub> /C nanocomposites for high performance Li-ion batteries. <b>2015</b> , 178, 420-428	19
992	A highly reactive and enhanced thermal stability nanocomposite catalyst based on Pt nanoparticles assembled in the inner surface of mesoporous SiO <sub>2</sub> spherical shell. <b>2015</b> , 284, 387-395	11
991	Co <sub>3</sub> Fe <sub>7</sub> /C core-shell microspheres as a lightweight microwave absorbent. <b>2015</b> , 163, 431-438	13
990	Au@TiO <sub>2</sub> yolk-shell hollow spheres for plasmon-induced photocatalytic reduction of CO <sub>2</sub> to solar fuel via a local electromagnetic field. <b>2015</b> , 7, 14232-6	127
989	Facile one-step hydrothermal preparation of molybdenum disulfide/carbon composite for use in supercapacitor. <b>2015</b> , 40, 10150-10157	149

988	Preparation of aniline from photocatalytic reduction of nitrobenzene using Pt/Nd <sub>2</sub> O <sub>3</sub> nanocomposite. <b>2015</b> , 648, 711-718	8
987	Dynamic structural evolution of supported palladium-ceria core-shell catalysts revealed by in situ electron microscopy. <b>2015</b> , 6, 7778	83
986	Effect of hydrothermal reaction time and calcination temperature on properties of Au@CeO <sub>2</sub> core-shell catalyst for CO oxidation at low temperature. <b>2015</b> , 50, 6339-6348	20
985	Shell decoration of hydrothermally obtained colloidal carbon spheres with base metal nanoparticles. <b>2015</b> , 39, 6593-6601	9
984	Molecular-based design and emerging applications of nanoporous carbon spheres. <b>2015</b> , 14, 763-74	712
983	Rattle-type NiCo <sub>2</sub> O <sub>4</sub> /carbon composite microspheres as electrode materials for high-performance supercapacitors. <b>2015</b> , 39, 7495-7502	12
982	Graphene-based hollow TiO <sub>2</sub> composites with enhanced photocatalytic activity for removal of pollutants. <b>2015</b> , 86, 82-89	58
981	Mild, one-step hydrothermal synthesis of carbon-coated CdS nanoparticles with improved photocatalytic activity and stability. <b>2015</b> , 36, 1077-1085	17
980	Pd nanoparticles encapsulated in magnetic carbon nanocages: an efficient nanoenzyme for the selective detection and multicolor imaging of cancer cells. <b>2015</b> , 7, 14393-400	15
979	Fabrication of superstable gold nanorod/carbon nanocapsule as a molecule loading material. <b>2015</b> , 60, 1101-1107	15
978	Recent Advances on the Design of Group VIII Base-Metal Catalysts with Encapsulated Structures. <b>2015</b> , 5, 4959-4977	123
977	Preparation of silver decorated silica nanocomposite rods for catalytic and surface-enhanced Raman scattering applications. <b>2015</b> , 5, 52726-52736	37
976	Insight into the mechanism of photocatalytic degradation of gaseous o-dichlorobenzene over flower-type V <sub>2</sub> O <sub>5</sub> hollow spheres. <b>2015</b> , 3, 15163-15170	57
975	One-step synthesis of nanorod-aggregated functional hierarchical iron-containing MFI zeolite microspheres. <b>2015</b> , 3, 14786-14793	18
974	Thermosensitive mixed shell polymeric micelles decorated with gold nanoparticles at the outmost surface: tunable surface plasmon resonance and enhanced catalytic properties with excellent colloidal stability. <b>2015</b> , 5, 47458-47465	19
973	Interface-mediated fabrication of bowl-like and deflated ballon-like hollow carbon nanospheres. <b>2015</b> , 452, 141-147	14
972	Hollow core-shell ZnMn <sub>2</sub> O <sub>4</sub> microspheres as a high-performance anode material for lithium-ion batteries. <b>2015</b> , 41, 9655-9661	40
971	Synthesis and photocatalytic activity of carbon spheres loaded Cu <sub>2</sub> O/Cu composites. <b>2015</b> , 643, 106-110	18

970	One-pot synthesis of biomass-derived carbonaceous spheres for excellent microwave absorption at the Ku band. <b>2015</b> , 5, 40531-40535	35
969	Nitrogen-doped porous carbon spheres derived from D-glucose as highly-efficient CO <sub>2</sub> sorbents. <b>2015</b> , 5, 37964-37969	49
968	Carbonaceous microspheres prepared by hydrothermal carbonization of glucose for direct use in catalytic dehydration of fructose. <b>2015</b> , 5, 17526-17531	59
967	Study on iron oxide nanoparticles coated with glucose-derived polymers for biomedical applications. <b>2015</b> , 352, 117-125	25
966	Fabrication of hollow spheres of metal oxide using fructose-derived carbonaceous spheres as sacrificial templates. <b>2015</b> , 18, 379-384	13
965	Hollow ZnFe <sub>2</sub> O <sub>4</sub> /TiO <sub>2</sub> composites: High-performance and recyclable visible-light photocatalyst. <b>2015</b> , 641, 110-118	69
964	N, S co-doped carbon dots with orange luminescence synthesized through polymerization and carbonization reaction of amino acids. <b>2015</b> , 342, 136-143	104
963	Direct coating ZnO nanocrystals onto 1D Fe <sub>3</sub> O <sub>4</sub> /C composite microrods as highly efficient and reusable photocatalysts for water treatment. <b>2015</b> , 637, 301-307	20
962	Enhanced adsorption of Congo red dye by functionalized carbon nanotube/mixed metal oxides nanocomposites derived from layered double hydroxide precursor. <b>2015</b> , 275, 315-321	130
961	Facet-Level Mechanistic Insights into General Homogeneous Carbon Doping for Enhanced Solar-to-Hydrogen Conversion. <b>2015</b> , 25, 2189-2201	121
960	Preparation of ZnFe <sub>2</sub> O <sub>4</sub> nanostructures and highly efficient visible-light-driven hydrogen generation with the assistance of nanoheterostructures. <b>2015</b> , 3, 8353-8360	106
959	Shaped Carbons As Supports for the Catalytic Conversion of Syngas to Clean Fuels. <b>2015</b> , 5, 2640-2658	115
958	Direct Hydrothermal Synthesis of Carbonaceous Silver Nanocables for Electrocatalytic Applications. <b>2015</b> , 11, 3557-67	15
957	Production, characterization, and biogas application of magnetic hydrochar from cellulose. <b>2015</b> , 186, 34-43	32
956	Yolk bishell Mn(x)Co(1-x)Fe <sub>2</sub> O <sub>4</sub> hollow microspheres and their embedded form in carbon for highly reversible lithium storage. <b>2015</b> , 7, 6300-9	57
955	Sweet potato-derived carbon nanoparticles as anode for lithium ion battery. <b>2015</b> , 5, 40737-40741	52
954	Biomass-Derived Porous Carbon Materials: Synthesis and Catalytic Applications. <b>2015</b> , 7, 1608-1629	173
953	Superior Performance of a LiO <sub>2</sub> Battery with Metallic RuO <sub>2</sub> Hollow Spheres as the Carbon-Free Cathode. <b>2015</b> , 5, 1500294	122

952	Fibrous and flexible supercapacitors comprising hierarchical nanostructures with carbon spheres and graphene oxide nanosheets. <b>2015</b> , 3, 12761-12768	36
951	Surface Modification of Carbon Nitride Polymers by Core-shell Nickel/Nickel Oxide Cocatalysts for Hydrogen Evolution Photocatalysis. <b>2015</b> , 7, 2864-2870	87
950	One-step synthesis of surface passivated carbon microspheres for enhanced photoluminescence and their application in multifunctional magnetic-fluorescent imaging. <b>2015</b> , 5, 24049-24055	2
949	Solid vs. hollow oxide spheres obtained by hydrothermal carbonization of various types of carbohydrates. <b>2015</b> , 5, 31768-31771	7
948	Enhancing photocatalytic activity for visible-light-driven H <sub>2</sub> generation with the surface reconstructed LaTiO <sub>2</sub> N nanostructures. <b>2015</b> , 12, 775-784	52
947	Amino-functionalized adsorbent prepared by means of Cu(II) imprinted method and its selective removal of copper from aqueous solutions. <b>2015</b> , 294, 9-16	69
946	Green Synthesis of Carbon- and Silver-Modified Hierarchical ZnO with Excellent Solar Light Driven Photocatalytic Performance. <b>2015</b> , 3, 1010-1016	25
945	A sensitive cytosensor for sialic acid assay based on dual signal amplification by functionalized carbon nanospheres and enzymatically produced polyaniline. <b>2015</b> , 7, 3819-3826	8
944	Carbon functionalized metal organic framework/Nafion composites as novel electrode materials for ultrasensitive determination of dopamine. <b>2015</b> , 3, 3747-3753	41
943	Facile one-pot synthesis of multi-yolk-shell Bi@C nanostructures by the nanoscale Kirkendall effect. <b>2015</b> , 51, 9276-9	18
942	In situ synthesis of nickel carbide-promoted nickel/carbon nanofibers nanocomposite catalysts for catalytic applications. <b>2015</b> , 275, 36-44	26
941	A heteropolyacid-based ionic liquid immobilized onto fibrous nano-silica as an efficient catalyst for the synthesis of cyclic carbonate from carbon dioxide and epoxides. <b>2015</b> , 17, 3059-3066	89
940	Recent advances in carbon nanospheres: synthetic routes and applications. <b>2015</b> , 51, 9246-56	168
939	One-pot synthesis of cobalt-coordinated N-doped carbon catalysts via co-synthesis of ionic liquids and cobalt porphyrins. <b>2015</b> , 51, 16637-40	15
938	Controlled preparation of TiO <sub>2</sub> hollow microspheres constructed by crosslinked nanochains with high photocatalytic activity. <b>2015</b> , 26, 8442-8450	24
937	Synthesis, characterization and in vitro evaluation of methotrexate conjugated fluorescent carbon nanoparticles as drug delivery system for human lung cancer targeting. <b>2015</b> , 153, 111-20	35
936	Facile synthesis of mesoporous FeNi-alloyed carbonaceous microspheres as recyclable magnetic adsorbents for trichloroethylene removal. <b>2015</b> , 5, 93491-93498	5
935	Facile synthesis of well-dispersed CeO <sub>2</sub> /TiO <sub>x</sub> composite hollow spheres with superior catalytic activity for CO oxidation. <b>2015</b> , 5, 95133-95139	14

934	Characterization of the Arundo Donax L. solid residue from hydrothermal conversion: Comparison with technical lignins and application perspectives. <b>2015</b> , 76, 1008-1024	35
933	Activated Carbons Derived from Hydrothermally Carbonized Sucrose: Remarkable Adsorbents for Adsorptive Desulfurization. <b>2015</b> , 3, 2237-2246	80
932	One-Pot Synthesis of Monodisperse Noble Metal @ Resorcinol-Formaldehyde (M@RF) and M@Carbon Core-Shell Nanostructure and Their Catalytic Applications. <b>2015</b> , 31, 11701-8	40
931	Reinforced Conductive Confinement of Sulfur for Robust and High-Performance Lithium-Sulfur Batteries. <b>2015</b> , 7, 23885-92	32
930	Synthesis and optical properties of composite films from P3HT and sandwich-like Ag@Ag nanoparticles. <b>2015</b> , 5, 79860-79867	5
929	Degradation of acid scarlet 3R with CuO/SiO <sub>2</sub> hollow sphere catalyst. <b>2015</b> , 87, 012039	5
928	Adsorbent 2D and 3D carbon matrices with protected magnetic iron nanoparticles. <b>2015</b> , 7, 17441-9	11
927	Controllable synthesis of spinel nano-CoMn <sub>2</sub> O <sub>4</sub> via a solvothermal carbon templating method and its application in lithium ion batteries. <b>2015</b> , 182, 550-558	25
926	Cyclic voltammetry as a tool for model testing of catalytic Pt- and Ag-doped carbon microspheres. <b>2015</b> , 757, 176-182	4
925	Facile preparation of ZIF-8@Pd-CSS sandwich-type microspheres via in situ growth of ZIF-8 shells over Pd-loaded colloidal carbon spheres with aggregation-resistant and leach-proof properties for the Pd nanoparticles. <b>2015</b> , 351, 1184-1190	18
924	Sulfur-doped carbon spheres as efficient metal-free electrocatalysts for oxygen reduction reaction. <b>2015</b> , 178, 806-812	55
923	Noble metal@metal oxide semiconductor core@shell nano-architectures as a new platform for gas sensor applications. <b>2015</b> , 5, 76229-76248	148
922	Micro/nano-scaled carbon spheres based on hydrothermal carbonization of agarose. <b>2015</b> , 484, 386-393	41
921	Effect of reaction time on structure of ordered mesoporous carbon microspheres prepared from carboxymethyl cellulose by soft-template method. <b>2015</b> , 76, 866-872	24
920	Shape-controlled synthesis of Mn <sub>2</sub> O <sub>3</sub> hollow structures and their catalytic properties. <b>2015</b> , 17, 7406-7413	23
919	Fabrication of triple responsive polymer brushes and their catalytic performance after loading palladium. <b>2015</b> , 5, 72444-72452	16
918	Effect of reaction temperature on properties of carbon nanodots and their visible-light photocatalytic degradation of tetracycline. <b>2015</b> , 5, 75711-75721	24
917	Fluorescent carbon dots for sensitive determination and intracellular imaging of zinc(II) ion. <b>2015</b> , 182, 2443-2450	38



916	Preparation of boron-doped hydrothermal carbon from glucose for carbon paste electrode. <b>2015</b> , 95, 42-50	30
915	Mesoporous carbons: recent advances in synthesis and typical applications. <b>2015</b> , 5, 83239-83285	119
914	Shape-directed compartmentalized delivery of a nanoparticle-conjugated small-molecule activator of an epigenetic enzyme in the brain. <b>2015</b> , 217, 151-9	21
913	Organic Opals: Properties and Applications. <b>2015</b> , 31-55	1
912	Mesoporous carbon nanoparticles: a super catalyst support for fuel cells. <b>2015</b> , 39, 8667-8672	5
911	Decolorization of Acid Orange II dye by peroxymonosulfate activated with magnetic Fe <sub>3</sub> O <sub>4</sub> @C/Co nanocomposites. <b>2015</b> , 5, 76862-76874	44
910	One-Pot Synthesis of Aminoindolizines and Chalcones Using CuI/CSP Nanocomposites with Anomalous Selectivity under Green Conditions. <b>2015</b> , 3, 2397-2404	37
909	Controlled Formation of Metal@Al <sub>2</sub> O <sub>3</sub> Yolk-Shell Nanostructures with Improved Thermal Stability. <b>2015</b> , 7, 27031-4	37
908	Aerobic oxidation of 5-hydroxymethylfurfural into 2,5-furandicarboxylic acid in water under mild conditions. <b>2015</b> , 17, 1610-1617	155
907	Chrysanthemum-like 3D hierarchical magnetic Fe <sub>2</sub> O <sub>3</sub> and Fe <sub>3</sub> O <sub>4</sub> superstructures: facile synthesis and application in adsorption of organic pollutants from water. <b>2015</b> , 5, 1705-1711	24
906	Resilient carbon encapsulation of iron pyrite (FeS <sub>2</sub> ) cathodes in lithium ion batteries. <b>2015</b> , 274, 685-692	41
905	Light-induced synthesis of photoluminescent carbon nanoparticles for Fe <sup>3+</sup> sensing and photocatalytic hydrogen evolution. <b>2015</b> , 3, 136-138	38
904	A sustainable iron-based sodium ion battery of porous carbon@Fe <sub>3</sub> O <sub>4</sub> /Na <sub>2</sub> FeP <sub>2</sub> O <sub>7</sub> with high performance. <b>2015</b> , 5, 8793-8800	60
903	Size-controlled nitrogen-containing mesoporous carbon nanospheres by one-step aqueous self-assembly strategy. <b>2015</b> , 3, 2305-2313	132
902	Ultrathin MoS <sub>2</sub> nanosheets growing within an in-situ-formed template as efficient electrocatalysts for hydrogen evolution. <b>2015</b> , 275, 588-594	97
901	Synthesis of photoluminescent carbon dots for the detection of cobalt ions. <b>2015</b> , 5, 2285-2291	57
900	Fabrication of porous silver/titania composite hollow spheres with enhanced photocatalytic performance. <b>2015</b> , 149-150, 1-6	10
899	Synthesis of Fe-doped WO <sub>3</sub> nanostructures with high visible-light-driven photocatalytic activities. <b>2015</b> , 166-167, 112-120	129

898	Bulk Production of High-Purity Carbon Nanosphere by Combination of Chemical Vapor Deposition Methods. <b>2015</b> , 23, 669-675	15
897	Au@In <sub>2</sub> O <sub>3</sub> core-shell composites: a metal-semiconductor heterostructure for gas sensing applications. <b>2015</b> , 5, 545-551	50
896	Novel Metal@Carbon Spheres Core-shell Arrays by Controlled Self-Assembly of Carbon Nanospheres: A Stable and Flexible Supercapacitor Electrode. <b>2015</b> , 5, 1401709	129
895	Mesoporous CNT@TiO <sub>2</sub> -C nanocable with extremely durable high rate capability for lithium-ion battery anodes. <b>2014</b> , 4, 3729	105
894	Design and fabrication of hierarchically porous carbon with a template-free method. <b>2014</b> , 4, 6349	65
893	Synthesis of sulfonated porous carbon nanospheres solid acid by a facile chemical activation route. <b>2015</b> , 221, 384-390	20
892	Sustainable carbon materials. <b>2015</b> , 44, 250-90	826
891	Co <sub>2</sub> SnO <sub>4</sub> nanocrystals anchored on graphene sheets as high-performance electrodes for lithium-ion batteries. <b>2015</b> , 151, 203-213	38
890	High dielectric, dynamic mechanical and thermal properties of polyimide composite film filled with carbon-coated silver nanowires. <b>2015</b> , 118, 243-248	13
889	Synthesis of biocompatible and highly photoluminescent nitrogen doped carbon dots from lime: analytical applications and optimization using response surface methodology. <b>2015</b> , 47, 325-32	87
888	Magnetically recoverable Ni/C catalysts with hierarchical structure and high-stability for selective hydrogenation of nitroarenes. <b>2015</b> , 17, 145-50	41
887	CaO-based meshed hollow spheres for CO <sub>2</sub> capture. <b>2015</b> , 135, 532-539	28
886	One-pot synthesis of octahedral platinum nanoclusters with enhanced electrocatalytic activities. <b>2015</b> , 61, 357-362	6
885	Hydrothermal liquefaction of barley straw to bio-crude oil: Effects of reaction temperature and aqueous phase recirculation. <b>2015</b> , 137, 183-192	234
884	Achieving phase transformation and structure control of crystalline anatase TiO <sub>2</sub> @C hybrids from titanium glycolate precursor and glucose molecules. <b>2015</b> , 438, 169-178	20
883	A full compositional range for a (Ga <sub>1-x</sub> Zn <sub>x</sub> )(N <sub>1-x</sub> O <sub>x</sub> ) nanostructure: high efficiency for overall water splitting and optical properties. <b>2015</b> , 11, 871-6	69
882	Dispersible mesoporous carbon nanospheres as active electrode materials for biomolecular sensing. <b>2015</b> , 202, 73-79	8
881	Metal oxides and polysaccharides: an efficient hybrid association for materials chemistry. <b>2015</b> , 17, 72-88	89

880	Preparation of carbon microspheres decorated with silver nanoparticles and their ability to remove dyes from aqueous solution. <b>2015</b> , 283, 193-201	52
879	Electrochemical Mechanism for FeS <sub>2</sub> /C Composite in Lithium Ion Batteries with Enhanced Reversible Capacity. <b>2016</b> , 9, 225	13
878	Fast Conversion of Ionic Liquids and Poly(Ionic Liquid)s into Porous Nitrogen-Doped Carbons in Air. <b>2016</b> , 17, 532	7
877	Facile Synthesis of CeO <sub>2</sub> /LaFeO <sub>3</sub> Perovskite Composite and Its Application for 4-(Methylnitrosamino)-1-(3-Pyridyl)-1-Butanone (NNK) Degradation. <b>2016</b> , 9,	11
876	Green Synthesis of Hierarchically Structured Silver-Polymer Nanocomposites with Antibacterial Activity. <b>2016</b> , 6,	7
875	Application of Carbon-Microsphere-Modified Electrodes for Electrochemistry of Hemoglobin and Electrocatalytic Sensing of Trichloroacetic Acid. <b>2015</b> , 16,	10
874	Core/Shell Silicon@Mesoporous TiO <sub>2</sub> Heterostructure: Towards Solar-Powered Photoelectrochemical Conversion. <b>2016</b> , 2, 647-651	4
873	Activation of peroxymonosulfate by carbonaceous oxygen groups: experimental and density functional theory calculations. <b>2016</b> , 198, 295-302	192
872	High-Performance Hybrid Supercapacitor Based on Graphene-Wrapped Mesoporous T-Nb <sub>2</sub> O <sub>5</sub> Nanospheres Anode and Mesoporous Carbon-Coated Graphene Cathode. <b>2016</b> , 3, 1360-1368	36
871	Evaluation of Sialic Acid Expression on Cancer Cells via an Electrochemical Assay Based on Biocompatible Au@BSA Architecture and Lectin-modified Nanoprobes. <b>2016</b> , 28, 1331-1339	7
870	Coating Carbon Nanosphere with Patchy Gold for Production of Highly Efficient Photothermal Agent. <b>2016</b> , 8, 19321-32	29
869	Strategic Applications of Nanomaterials as Sensing Platforms and Signal Amplification Markers at Electrochemical Immunosensors. <b>2016</b> , 28, 1730-1749	39
868	Enhancing Charge Separation in Metallic Photocatalysts: A Case Study of the Conducting Molybdenum Dioxide. <b>2016</b> , 26, 4445-4455	109
867	Facile Synthesis and High Photocatalytic Degradation Performance of ZnO-SnO Hollow Spheres. <b>2016</b> , 11, 526	23
866	Fast interfacial charge transfer in Fe <sub>3</sub> O <sub>4</sub> /FeVOC@C bulk heterojunctions with controllable phase content. <b>2016</b> , 6, 38603	15
865	Chemical Synthesis of Carbon Materials with Intriguing Nanostructure and Morphology. <b>2016</b> , 115-157	1
864	In-situ one-step synthesis of carbon-encapsulated naked magnetic metal nanoparticles conducted without additional reductants and agents. <b>2016</b> , 6, 38652	20
863	Fabrication of magnetic Fe <sub>3</sub> O <sub>4</sub> /C/TiO <sub>2</sub> composites with nanotube structure and enhanced photocatalytic activity. <b>2016</b> , 32, 786-793	6

862	Glucose-assisted synthesis of Co <sub>3</sub> O <sub>4</sub> nanostructure with controllable morphologies from nanosheets to nanowires. <b>2016</b> , 676, 26-36	20
861	Growth of metal-semiconductor core-multishell nanorods with optimized field confinement and nonlinear enhancement. <b>2016</b> , 8, 11969-75	22
860	Fabrication of Fe <sub>2</sub> TiO <sub>5</sub> /TiO <sub>2</sub> nanoheterostructures with enhanced visible-light photocatalytic activity. <b>2016</b> , 6, 45343-45348	29
859	Multi-shelled Fe <sub>2</sub> O <sub>3</sub> microspheres for high-rate supercapacitors. <b>2016</b> , 59, 247-253	22
858	Facile Hydrothermal Synthesis of Fe <sub>3</sub> O <sub>4</sub> /C Core-Shell Nanorings for Efficient Low-Frequency Microwave Absorption. <b>2016</b> , 8, 7370-80	412
857	Insights into the effects of different acids on the formation and electrochemical properties of carbon spherules. <b>2016</b> , 6, 37555-37561	3
856	Nano-electrical investigation and electrochemical performance of nickel-oxide/carbon sphere hybrids through interface manipulation. <b>2016</b> , 469, 287-295	10
855	Hierarchical mesoporous carbon sphere@nickel cobalt sulfide core-shell structures and their electrochemical performance. <b>2016</b> , 771, 106-113	32
854	One-step hydrothermal synthesis of hydrophilic Fe <sub>3</sub> O <sub>4</sub> /carbon composites and their application in removing toxic chemicals. <b>2016</b> , 6, 35228-35238	34
853	Glucose-assisted transformation of Ni-doped-ZnO@carbon to a Ni-doped-ZnO@void@SiO <sub>2</sub> core-shell nanocomposite photocatalyst. <b>2016</b> , 6, 38653-38661	19
852	Facile Fabrication and Characterization of Ytterbium Oxide Hollow Spheres using Carbon Spheres as Template. <b>2016</b> , 11, 1650067	9
851	Highly ordered carbon-based nanospheres with high stiffness. <b>2016</b> , 105, 144-150	8
850	Design of Ag@C@SnO <sub>2</sub> @TiO <sub>2</sub> yolk-shell nanospheres with enhanced photoelectric properties for dye sensitized solar cells. <b>2016</b> , 318, 49-56	17
849	The effect of copper species in copper-ceria catalysts: structure evolution and enhanced performance in CO oxidation. <b>2016</b> , 6, 46966-46971	10
848	Controllable synthesis of mesoporous carbon nanospheres with uniform size by a facile one-pot aqueous strategy under highly acidic conditions. <b>2016</b> , 105, 521-528	36
847	Green synthesized gold nanoparticles decorated graphene oxide for sensitive determination of chloramphenicol in milk, powdered milk, honey and eye drops. <b>2016</b> , 475, 46-56	99
846	The preparation of ZrO <sub>2</sub> /rC ceramic microspheres by internal gelation process with sucrose as a carbon source. <b>2016</b> , 42, 4715-4722	13
845	VN hollow spheres assembled from porous nanosheets for high-performance lithium storage and the oxygen reduction reaction. <b>2016</b> , 4, 7914-7923	74

844	Hollow Co <sub>3</sub> O <sub>4</sub> microspheres assembled with nanocrystals for non-enzymatic glucose sensor. <b>2016</b> , 11, 151-155	4
843	Synthesis of mesoporous carbon nanospheres for highly efficient adsorption of bulky dye molecules. <b>2016</b> , 51, 7016-7028	17
842	Synthesis and Performance Enhancement for Bi <sub>2</sub> WO <sub>6</sub> as High-Activity Visible-Light-Driven Photocatalysts. <b>2016</b> , 359-389	1
841	Kinetically Controlled Assembly of Nitrogen-Doped Invaginated Carbon Nanospheres with Tunable Mesopores. <b>2016</b> , 22, 14962-14967	14
840	Facile synthesis of Fe <sub>3</sub> O <sub>4</sub> @C hollow nanospheres and their application in polluted water treatment. <b>2016</b> , 61, 16-23	9
839	One-dimensional fossil-like Fe <sub>2</sub> O <sub>3</sub> @carbon nanostructure: preparation, structural characterization and application as adsorbent for fast and selective recovery of gold ions from aqueous solution. <b>2016</b> , 27, 415701	2
838	Graphite encapsulated molybdenum carbide core/shell nanocomposite for highly selective conversion of guaiacol to phenolic compounds in methanol. <b>2016</b> , 528, 123-130	17
837	Biocompatible caramelized carbonaceous nanospheres supported paramagnetic ultrathin manganese oxide nanosheets via self-sacrificing reduction as a MRI contrast agent for liver imaging. <b>2016</b> , 110, 321-329	9
836	Template-free hydrothermal synthesis of amphibious fluorescent carbon nanorice towards anti-counterfeiting applications and unleashing its nonlinear optical properties. <b>2016</b> , 6, 99060-99071	7
835	Multimodal inorganic nanoparticles for biomedical applications. <b>2016</b> , 253-278	2
834	Hollow Nano- and Microstructures as Catalysts. <b>2016</b> , 116, 14056-14119	503
833	Sustainable production of activated carbon spheres from ethyl cellulose. <b>2016</b> , 6, 95656-95662	12
832	Carbon Sphere-Polyaniline Composite: A Fluorescent Scaffold for Proliferation of Adipose Derived Stem Cells and its Cellular uptake. <b>2016</b> , 1, 3063-3070	2
831	Highly Durable Supportless Pt Hollow Spheres Designed for Enhanced Oxygen Transport in Cathode Catalyst Layers of Proton Exchange Membrane Fuel Cells. <b>2016</b> , 8, 27730-27739	21
830	Hydrothermal synthesis of vanadium dioxides/carbon composites and their transformation to surface-uneven V <sub>2</sub> O <sub>5</sub> nanoparticles with high electrochemical properties. <b>2016</b> , 6, 93741-93752	43
829	Carbon spheres with hierarchical micro/mesopores for water desalination by capacitive deionization. <b>2016</b> , 4, 16094-16100	40
828	Facile synthesis of carbon/NiCoO <sub>2</sub> composite microspheres with pitaya-type structure and their application in supercapacitors. <b>2016</b> , 6, 74643-74648	8
827	Effect of SO <sub>4</sub> <sup>2-</sup> , Cl <sup>-</sup> and NO <sub>3</sub> <sup>-</sup> anions on the formation of iron oxide nanoparticles via microwave synthesis. <b>2016</b> , 52, 627-631	4

826	Cobalt Oxide@In Core@Shell Nanowire Arrays as High-Performance Electrodes for Lithium-Ion Batteries. <b>2016</b> , 4, 1435-1439	1
825	Self-Supported Lithium Titanium Oxide Nanosheet Arrays Decorated with Molybdenum Disulfide for High-Performance Lithium-Ion Batteries. <b>2016</b> , 4, 1420-1426	9
824	Low cost, high performance supercapacitor electrode using coconut wastes: eco-friendly approach. <b>2016</b> , 25, 880-887	50
823	Novel enzymatic glucose biosensor based on distributed electrodes covered with a solvothermal synthesized graphene material and platinum nanoparticles. <b>2016</b> , 6, 74453-74461	6
822	Colloidal and micro-carbon spheres derived from low-temperature polymerization reactions. <b>2016</b> , 236, 113-41	20
821	Eco-friendly synthesis of graphene nanoplatelets. <b>2016</b> , 4, 15281-15293	18
820	Scalable preparation of monodisperse micron-sized carbon microspheres and their application in anion-exchange chromatography. <b>2016</b> , 6, 88633-88639	3
819	One-Step Hydrothermal Synthesis of Carbonaceous Spheres from Glucose with an Aluminum Chloride Catalyst and Its Adsorption Characteristic for Uranium(VI). <b>2016</b> , 55, 9648-9656	27
818	Surface modification of graphite-encapsulated iron nanoparticles by RF excited Ar/NH <sub>3</sub> gas mixture plasma and their application to Escherichia coli capture. <b>2016</b> , 49, 364001	9
817	Magnetically-recoverable carbonaceous material: An efficient catalyst for the synthesis of 5-hydroxymethylfurfural and 5-ethoxymethylfurfural from carbohydrates. <b>2016</b> , 86, 1698-1704	8
816	Hydrothermal synthesis of carbonaceous spheres starting from different starches. <b>2016</b> , 124, 79-81	3
815	Hydrothermal carbon nanosphere-based agglomerated anion exchanger for ion chromatography. <b>2016</b> , 1468, 73-78	10
814	Facile synthesis of porous carbon spheres embedded with metal nanoparticles and their applications as supercapacitor electrodes. <b>2016</b> , 6, 91250-91255	7
813	Ternary composites of TiO <sub>2</sub> nanotubes with reduced graphene oxide (rGO) and meso-tetra (4-carboxyphenyl) porphyrin for enhanced visible light photocatalysis. <b>2016</b> , 41, 14692-14703	29
812	Flower-Like Nickel-Cobalt Oxide Decorated Dopamine-Derived Carbon Nanocomposite for High Performance Supercapacitor Applications. <b>2016</b> , 4, 5013-5020	62
811	Fast and real-time acetone gas sensor using hybrid ZnFe <sub>2</sub> O <sub>4</sub> /ZnO hollow spheres. <b>2016</b> , 6, 66738-66744	32
810	Enhanced photocatalytic activity of C@ZnO core-shell nanostructures and its photoluminescence property. <b>2016</b> , 389, 303-310	30
809	Preparation of magnetically recoverable gold nanocatalysts with a highly reactive and enhanced thermal stability. <b>2016</b> , 688, 23-31	11

808	Carbon-Boron core-shell microspheres for the oxygen reduction reaction. <b>2016</b> , 4, 12987-12994	8
807	Hollow carbon spheres, synthesis and applications – a review. <b>2016</b> , 4, 12686-12713	208
806	Plasma-induced, nitrogen-doped graphene-based aerogels for high-performance supercapacitors. <b>2016</b> , 5, e16130	125
805	Sustainable one-pot integration of ZnO nanoparticles into carbon spheres: manipulation of the morphological, optical and electrochemical properties. <b>2016</b> , 18, 30794-30807	13
804	Facile One-pot Transformation of Iron Oxides from Fe <sub>2</sub> O <sub>3</sub> Nanoparticles to Nanostructured Fe <sub>3</sub> O <sub>4</sub> @C Core-Shell Composites via Combustion Waves. <b>2016</b> , 6, 21792	23
803	Hollow Nanotubes of N-Doped Carbon on CoS. <b>2016</b> , 128, 16063-16066	12
802	Hollow Nanotubes of N-Doped Carbon on CoS. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 15831-15834	16
801	Tailored activated carbons for supercapacitors derived from hydrothermally carbonized sugars by chemical activation. <b>2016</b> , 6, 110629-110641	12
800	A universal cooperative assembly-directed method for coating of mesoporous TiO <sub>2</sub> nanoshells with enhanced lithium storage properties. <b>2016</b> , 2, e1501554	174
799	Amidoxime-functionalized hydrothermal carbon materials for uranium removal from aqueous solution. <b>2016</b> , 6, 102462-102471	26
798	NH <sub>2</sub> -functionalized carbon-coated Fe <sub>3</sub> O <sub>4</sub> core-shell nanoparticles for in situ preparation of robust polyimide composite films with high dielectric constant, low dielectric loss, and high breakdown strength. <b>2016</b> , 6, 107533-107541	10
797	Bis(4-pyridylamino)triazine-stabilized magnetite KCC-1: a chemoselective, efficient, green and reusable nanocatalyst for the synthesis of N-substituted 1,4-dihydropyridines. <b>2016</b> , 6, 99586-99594	10
796	Designed synthesis of MO (M = Zn, Fe, Sn, Ni, Mn, Co, Ce, Mg, Ag), Pt, and Au nanoparticles supported on hierarchical CuO hollow structures. <b>2016</b> , 8, 19684-19695	19
795	A Filter-based Surface Enhanced Raman Spectroscopic Assay for Rapid Detection of Chemical Contaminants. <b>2016</b> , 53791	
794	Nitrogen-Doped Porous Carbon Nanosheets Templated from g-C <sub>3</sub> N <sub>4</sub> as Metal-Free Electrocatalysts for Efficient Oxygen Reduction Reaction. <b>2016</b> , 28, 5080-6	573
793	Fabrication of Nitrogen-Doped Mesoporous-Carbon-Coated Palladium Nanoparticles: An Intriguing Electrocatalyst for Methanol and Formic Acid Oxidation. <b>2016</b> , 11, 1588-96	19
792	The synthesis and fast ethanol sensing properties of core-shell SnO <sub>2</sub> @ZnO composite nanospheres using carbon spheres as templates. <b>2016</b> , 40, 6796-6802	18
791	Label-free fluorimetric detection of CEA using carbon dots derived from tomato juice. <b>2016</b> , 86, 83-89	151

790	Fabrication of NiFe <sub>2</sub> O <sub>4</sub> /C hollow spheres constructed by mesoporous nanospheres for high-performance lithium-ion batteries. <b>2016</b> , 303, 501-510	107
789	Enhanced electrochemical sensing of nitroaromatic compounds based on hydroxyl modified carbon submicroparticles. <b>2016</b> , 203, 301-308	19
788	Multi-doped carbon dots with ratiometric pH sensing properties for monitoring enzyme catalytic reactions. <b>2016</b> , 52, 9247-50	71
787	Hydrothermal carbonization of pulp mill streams. <b>2016</b> , 212, 236-244	19
786	Synthesis of magnetic Ru/Fe <sub>3</sub> O <sub>4</sub> @C nanospheres with controlled carbon layer and its high selectivity to prepare cis-pinane. <b>2016</b> , 303, 31-36	16
785	Statistical prediction of fuel cell catalyst effectiveness: Quasi-random nano-structural analysis of carbon sphere-supported platinum catalysts. <b>2016</b> , 41, 9507-9520	9
784	A novel route for synthesis and growth formation of metal oxides microspheres: Insights from V <sub>2</sub> O <sub>3</sub> microspheres. <b>2016</b> , 177, 543-553	13
783	Graphene oxide induced crystallization and hydrolytic degradation of poly(butylene succinate). <b>2016</b> , 123, 94-104	18
782	Synthesis of Na-doped ZnO hollow spheres with improved photocatalytic activity for hydrogen production. <b>2016</b> , 45, 11145-9	18
781	One-step preparation and characterization of zinc tungstate/carbon nanoparticles with application to lithium-ion batteries. <b>2016</b> , 44, 603-613	1
780	Glucose-Derived Carbonaceous Nanospheres for Photoacoustic Imaging and Photothermal Therapy. <b>2016</b> , 8, 15904-10	52
779	Graphene oxide: strategies for synthesis, reduction and frontier applications. <b>2016</b> , 6, 64993-65011	297
778	A facile strategy to fabricate carboxyl-rich carbon spheres with copper-based MOFs through coordination bond. <b>2016</b> , 23, 1537-1545	6
777	Biomass-derived carbonaceous positive electrodes for sustainable lithium-ion storage. <b>2016</b> , 8, 3671-7	35
776	Aqueous based reflux method for green synthesis of nanostructures: Application in CZTS synthesis. <b>2016</b> , 3, 35-42	14
775	Organic Nanoparticles in Foods: Fabrication, Characterization, and Utilization. <b>2016</b> , 7, 245-66	48
774	Hydroxylation of benzene to phenol on Cu <sub>x</sub> O <sub>y</sub> @C with hydrogen peroxide. <b>2016</b> , 117, 693-704	4
773	Synthesis and magnetic properties of highly dispersed tantalum carbide nanoparticles decorated on carbon spheres. <b>2016</b> , 18, 1427-1438	3



772	Graphene production via supercritical fluids. <b>2016</b> , 6, 10132-10143	32
771	Core/shell structured C/ZnO nanoparticles composites for effective electromagnetic wave absorption. <b>2016</b> , 6, 6467-6474	84
770	A co-sol-emulsion-gel synthesis of tunable and uniform hollow carbon nanospheres with interconnected mesoporous shells. <b>2016</b> , 8, 451-7	70
769	Catalytic applications of alkali-functionalized carbon nanospheres and their supported Pd nanoparticles. <b>2016</b> , 184, 104-118	31
768	Graphene mediated improved sodium storage in nanocrystalline anatase TiO <sub>2</sub> for sodium ion batteries with ether electrolyte. <b>2016</b> , 52, 1428-31	43
767	Fe <sub>3</sub> C/C microspheres as a lightweight microwave absorbent. <b>2016</b> , 6, 24820-24826	35
766	Porous (CuO) <sub>x</sub> ZnO hollow spheres as efficient Rochow reaction catalysts. <b>2016</b> , 18, 2808-2819	8
765	Synthesis of hybrid carbon spheres@nitrogen-doped graphene/carbon nanotubes and their oxygen reduction activity performance. <b>2016</b> , 6, 32661-32669	7
764	Design and Preparation of MnO <sub>2</sub> /CeO <sub>2</sub> -MnO <sub>2</sub> Double-Shelled Binary Oxide Hollow Spheres and Their Application in CO Oxidation. <b>2016</b> , 8, 8670-7	114
763	Enhanced photocatalytic degradation activity over TiO <sub>2</sub> nanotubes co-sensitized by reduced graphene oxide and copper(II) meso-tetra(4-carboxyphenyl)porphyrin. <b>2016</b> , 377, 149-158	54
762	Carbon Coated Metal Nanoparticles for Electrocatalysis. <b>2016</b> , 146, 309-318	5
761	Temperature-feedback upconversion nanocomposite for accurate photothermal therapy at facile temperature. <b>2016</b> , 7, 10437	565
760	Mechanism for the formation and growth of carbonaceous spheres from sucrose by hydrothermal carbonization. <b>2016</b> , 6, 20814-20823	46
759	Hydrothermal synthesis of N-doped spherical carbon from carboxymethylcellulose for CO <sub>2</sub> capture. <b>2016</b> , 369, 101-107	26
758	Simultaneous enhancement of magnetic and ferroelectric properties in Dy and Cr co-doped BiFeO <sub>3</sub> nanoparticles. <b>2016</b> , 18, 6399-405	57
757	Cr(VI) reduction and immobilization by novel carbonaceous modified magnetic Fe <sub>3</sub> O <sub>4</sub> /halloysite nanohybrid. <b>2016</b> , 309, 151-6	93
756	Rational design and fabrication of core-shell nanoparticles through a one-step/pot strategy. <b>2016</b> , 4, 6680-6692	69
755	Size-controllable synthesis of carbon spheres with assistance of metal ions. <b>2016</b> , 214, 1-4	8

754	Humin Formation Pathways. <b>2016</b> , 105-118	5
753	Aquivion <sup>®</sup> Carbon composites via hydrothermal carbonization: amphiphilic catalysts for solvent-free biphasic acetalization. <b>2016</b> , 4, 4380-4385	27
752	Hierarchically porous Fe <sub>3</sub> O <sub>4</sub> /C nanocomposite microspheres via a CO <sub>2</sub> bubble-templated hydrothermal approach as high-rate and high-capacity anode materials for lithium-ion batteries. <b>2016</b> , 4, 5898-5908	65
751	Synthesis of Ag@Pt core-shell nanoparticles loaded onto reduced graphene oxide and investigation of its electroensing properties. <b>2016</b> , 8, 1084-1090	14
750	Ultrahigh efficient water oxidation under visible light: Using Fe dopants to integrate nanostructure and cocatalyst in LaTiO <sub>2</sub> N system. <b>2016</b> , 19, 437-445	14
749	High-frequency fabrication of discrete and dispersible hollow carbon spheres with hierarchical porous shells by using secondary-crosslinking pyrolysis. <b>2016</b> , 6, 16141-16149	8
748	Enhanced Cyclability in Rechargeable Li-O <sub>2</sub> Batteries Based on Mn <sub>3</sub> O <sub>4</sub> Hollow Nanocage/Ketjenblack Catalytic Air Cathode. <b>2016</b> , 52, 1-4	1
747	Synthesis and supercapacitor electrode of VO <sub>2</sub> (B)/C core-shell composites with a pseudocapacitance in aqueous solution. <b>2016</b> , 371, 189-195	70
746	Microwave absorption properties of C/(C@CoFe) hierarchical core-shell spheres synthesized by using colloidal carbon spheres as templates. <b>2016</b> , 42, 9178-9182	33
745	Simultaneous tracking of drug molecules and carriers using aptamer-functionalized fluorescent superstable gold nanorod-carbon nanocapsules during thermo-chemotherapy. <b>2016</b> , 8, 7942-8	28
744	Simple template fabrication of porous MnCo <sub>2</sub> O <sub>4</sub> hollow nanocages as high-performance cathode catalysts for rechargeable Li-O <sub>2</sub> batteries. <b>2016</b> , 27, 135703	16
743	BiPO <sub>4</sub> @glucose-based C core-shell nanorod heterojunction photocatalyst with enhanced photocatalytic activity. <b>2016</b> , 662, 220-231	20
742	Synthesis of Superparamagnetic Core-Shell Structure Supported Pd Nanocatalysts for Catalytic Nitrite Reduction with Enhanced Activity, No Detection of Undesirable Product of Ammonium, and Easy Magnetic Separation Capability. <b>2016</b> , 8, 2035-47	24
741	Carbon Nanodot-Decorated Ag@SiO <sub>2</sub> Nanoparticles for Fluorescence and Surface-Enhanced Raman Scattering Immunoassays. <b>2016</b> , 8, 1033-40	46
740	Carbon spheres anchored Co <sub>3</sub> O <sub>4</sub> nanoclusters as an efficient catalyst for dye degradation. <b>2016</b> , 513, 106-115	23
739	Hierarchical zinc oxide nano-tips and micro-rods: hydrothermal synthesis and improved chemi-resistive response towards ethanol. <b>2016</b> , 6, 1408-1414	6
738	Facile synthesis of well-defined CeO <sub>2</sub> hollow spheres with a tunable pore structure. <b>2016</b> , 42, 6088-6093	8
737	Carbon nanoparticles/soy protein isolate bio-films with excellent mechanical and water barrier properties. <b>2016</b> , 82, 133-140	69

736	Preparation of nitrogen- and phosphorous co-doped carbon microspheres and their superior performance as anode in sodium-ion batteries. <b>2016</b> , 99, 556-563	189
735	Efficient dehydration of fructose to 5-hydroxymethylfurfural over sulfonated carbon sphere solid acid catalysts. <b>2016</b> , 264, 123-130	98
734	Efficient hollow double-shell photocatalysts for the degradation of organic pollutants under visible light and in darkness. <b>2016</b> , 4, 4413-4419	38
733	Solid acid catalyzed synthesis of furans from carbohydrates. <b>2016</b> , 58, 36-112	90
732	Preparation of graphene oxide-wrapped carbon sphere@silver spheres for high performance chlorinated phenols sensor. <b>2016</b> , 302, 188-197	34
731	A comparative study of FESEM and EDX analyses of Datong coal in N <sub>2</sub> and CO <sub>2</sub> environments. <b>2016</b> , 89, 32-38	1
730	High-energy cobalt hexacyanoferrate and carbon micro-spheres aqueous sodium-ion capacitors. <b>2016</b> , 303, 347-353	77
729	Review on recent advances in nitrogen-doped carbons: preparations and applications in supercapacitors. <b>2016</b> , 4, 1144-1173	706
728	Facile synthesis of CdS/C core-shell nanospheres with ultrathin carbon layer for enhanced photocatalytic properties and stability. <b>2016</b> , 362, 126-131	46
727	Gd <sub>2</sub> O <sub>3</sub> nanoparticles stabilized by hydrothermally modified dextrose for positive contrast magnetic resonance imaging. <b>2016</b> , 403, 118-126	15
726	Synthesis and photocatalytic properties of CeO <sub>2</sub> nanocubes. <b>2016</b> , 27, 2146-2150	11
725	Morphological control of RGO/CdS hydrogels for energy storage. <b>2016</b> , 18, 1090-1095	26
724	Facile synthesis of nitrogen and sulfur co-doped carbon dots and application for Fe(III) ions detection and cell imaging. <b>2016</b> , 223, 689-696	148
723	Reaction Pathways and Mechanisms in Thermocatalytic Biomass Conversion II. <b>2016</b> ,	1
722	A general and facile method for improving carbon coat on magnetic nanoparticles with a thickness control. <b>2016</b> , 461, 20-24	14
721	Influence of glycols in microwave assisted synthesis of ironoxide nanoparticles. <b>2016</b> , 294, 207-213	10
720	Structural, mechanical, and electrical properties of carbon nanoparticles synthesized from diesel. <b>2016</b> , 24, 43-51	8
719	Sulfur encapsulated in porous carbon nanospheres and coated with conductive polyaniline as cathode of lithium-sulfur battery. <b>2016</b> , 20, 153-161	32

7 <sup>18</sup>	Preparation of hollow multiple-Ag-nanoclusters-C-shell nanostructures and their catalytic properties. <b>2016</b> , 180, 13-19	25
7 <sup>17</sup>	Preparation of biochar catalyst with saccharide and lignocellulose residues of corncob degradation for corncob hydrolysis into furfural. <b>2017</b> , 19, 134-143	18
7 <sup>16</sup>	Preparation, characterization and visible-light-driven photocatalytic activity of a novel Fe(III) porphyrin-sensitized TiO <sub>2</sub> nanotube photocatalyst. <b>2017</b> , 391, 267-274	30
7 <sup>15</sup>	Ultrafast ammonia-driven, microwave-assisted synthesis of nitrogen-doped graphene quantum dots and their optical properties. <b>2017</b> , 6, 259-267	74
7 <sup>14</sup>	Construction of hybrid multi-shell hollow structured CeO <sub>2</sub> /MnO <sub>x</sub> materials for selective catalytic reduction of NO with NH <sub>3</sub> . <b>2017</b> , 7, 5989-5999	17
7 <sup>13</sup>	Hydrothermal synthesis and photoluminescent mechanistic investigation of highly fluorescent nitrogen doped carbon dots from amino acids. <b>2017</b> , 89, 26-32	45
7 <sup>12</sup>	Economically applicable Ti <sub>2</sub> O <sub>3</sub> decorated m-aminophenol-formaldehyde resin microspheres for dye-sensitized solar cells (DSSCs). <b>2017</b> , 494, 82-91	11
7 <sup>11</sup>	Carbon-Based Functional Materials Derived from Waste for Water Remediation and Energy Storage. <b>2017</b> , 29, 1605361	221
7 <sup>10</sup>	Self-healing SEI enables full-cell cycling of a silicon-majority anode with a coulombic efficiency exceeding 99.9%. <b>2017</b> , 10, 580-592	335
7 <sup>09</sup>	Nickelocene as precursor of microporous organometallic-derived carbon and nickel oxide-carbon nanocomposite. <b>2017</b> , 490, 410-419	4
7 <sup>08</sup>	Facile preparation of carbon sphere supported molybdenum compounds (P, C and S) as hydrogen evolution electrocatalysts in acid and alkaline electrolytes. <b>2017</b> , 32, 511-519	119
7 <sup>07</sup>	Ag-LaFeO fibers, spheres, and cages for ultrasensitive detection of formaldehyde at low operating temperatures. <b>2017</b> , 19, 6973-6980	23
7 <sup>06</sup>	From carbon dots to multipods – The role of nickel particle shape and size. <b>2017</b> , 72, 53-60	3
7 <sup>05</sup>	Light-Driven Au-WO <sub>3</sub> @C Janus Micromotors for Rapid Photodegradation of Dye Pollutants. <b>2017</b> , 9, 4674-4683	149
7 <sup>04</sup>	Finding of coal organic microspheres during hydrothermal treatment of brown coal. <b>2017</b> , 195, 143-150	9
7 <sup>03</sup>	Controlled synthesis of core-shell, yolk-shell and hollow spheres C@La <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> via the combination of hard templating and co-precipitation method. <b>2017</b> , 43, 5941-5948	4
7 <sup>02</sup>	Facile synthesis of the flower-like ternary heterostructure of Ag/ZnO encapsulating carbon spheres with enhanced photocatalytic performance. <b>2017</b> , 406, 254-264	56
7 <sup>01</sup>	Biochars with excellent Pb(II) adsorption property produced from fresh and dehydrated banana peels via hydrothermal carbonization. <b>2017</b> , 232, 204-210	191

700	Core-Shell Nanoparticle-Enhanced Raman Spectroscopy. <b>2017</b> , 117, 5002-5069	577
699	Effect of Heavy Metal (Zn) on Redox Property of Hydrochar Produced from Lignin, Cellulose, and d-Xylose. <b>2017</b> , 5, 3499-3508	20
698	Synthesis of Br-doped TiO <sub>2</sub> hollow spheres with enhanced photocatalytic activity. <b>2017</b> , 19, 1	9
697	Simultaneous Activation/Exfoliation/Reassembly to Form Layered Carbon with Hierarchical Pores. <b>2017</b> , 9, 2488-2495	5
696	Intricate Hollow Structures: Controlled Synthesis and Applications in Energy Storage and Conversion. <b>2017</b> , 29, 1602914	424
695	Hybrid carbon@TiO <sub>2</sub> hollow spheres with enhanced photocatalytic CO <sub>2</sub> reduction activity. <b>2017</b> , 5, 5020-5029	205
694	Ultrathin 1T-phase MoS <sub>2</sub> nanosheets decorated hollow carbon microspheres as highly efficient catalysts for solar energy harvesting and storage. <b>2017</b> , 345, 156-164	48
693	One-step synthesis of flowerlike C/Fe <sub>2</sub> O <sub>3</sub> nanosheet assembly with superior adsorption capacity and visible light photocatalytic performance for dye removal. <b>2017</b> , 116, 59-67	32
692	Highly Efficient Solar-Driven Photothermal Performance in Au-Carbon Core-Shell Nanospheres. <b>2017</b> , 1, 1600032	17
691	Synthesis of Zn <sub>2</sub> SnO <sub>4</sub> hollow spheres by a template route for high-performance acetone gas sensor. <b>2017</b> , 245, 493-506	62
690	Anchoring titanium dioxide on carbon spheres for high-performance visible light photocatalysis. <b>2017</b> , 207, 255-266	49
689	From waste Coca Cola <sup>®</sup> to activated carbons with impressive capabilities for CO <sub>2</sub> adsorption and supercapacitors. <b>2017</b> , 116, 490-499	152
688	Preparation and Electrochemical Characterization of Carbonaceous Thin Layer. <b>2017</b> , 29, 1062-1068	1
687	High Temperature Synthesis of Single-Component Metallic Nanoparticles. <b>2017</b> , 3, 294-301	26
686	Stabilizing the MXenes by Carbon Nanoplatelet for Developing Hierarchical Nanohybrids with Efficient Lithium Storage and Hydrogen Evolution Capability. <b>2017</b> , 29, 1607017	380
685	Hydrothermal Carbon-Mediated Fenton-Like Reaction Mechanism in the Degradation of Alachlor: Direct Electron Transfer from Hydrothermal Carbon to Fe(III). <b>2017</b> , 9, 17115-17124	103
684	Methods for the Stabilization of Nanostructured Electrode Materials for Advanced Rechargeable Batteries. <b>2017</b> , 1, 1700094	42
683	A high surface area mesoporous γ-Al <sub>2</sub> O <sub>3</sub> with tailoring texture by glucose template for ethanol dehydration to ethylene. <b>2017</b> , 241, 89-97	25

- 682 Functionalized Natural Carbon-Supported Nanoparticles as Excellent Catalysts for Hydrocarbon Production. **2017**, 12, 366-371 7
- 681 Hollow carbon spheres trigger inflammasome-dependent IL-1 $\beta$  secretion in macrophages. **2017**, 113, 243-251 11
- 680 Green Polyelectrolyte-Functionalization of Carbonaceous Nanospheres and Its Application in Ion Chromatography. **2017**, 5, 112-118 4
- 679 Highly efficient one-step synthesis of carbon encapsulated nanocrystals by the oxidation of metal complexes. **2017**, 28, 325603 2
- 678 Oxygen functionalized carbon nanocomposite derived from natural illite as adsorbent for removal of cationic and anionic dyes. **2017**, 28, 1943-1953 12
- 677 Highly active CeO<sub>2</sub> hollow-shell spheres with Al doping. **2017**, 60, 646-653 16
- 676 Hydrothermal synthesis of carbonyl iron-carbon nanocomposite: Characterization and electromagnetic performance. **2017**, 7, 1978-1986 9
- 675 Graphitic nanocapsules: design, synthesis and bioanalytical applications. **2017**, 9, 10529-10543 8
- 674 Tetraethyl orthosilicate-assisted synthesis of nitrogen-containing porous carbon spheres. **2017**, 121, 408-417 34
- 673 Fabrication of multi-shelled hollow Mg-modified CaCO<sub>3</sub> microspheres and their improved CO<sub>2</sub> adsorption performance. **2017**, 321, 401-411 35
- 672 Highly efficient Fe/N/C catalyst using adenosine as C/N-source for APEFC. **2017**, 26, 616-621 7
- 671 Comparative Study of the Structure of Hydroproducts Derived from Loblolly Pine and Straw Grass. **2017**, 5, 6131-6138 2
- 670 3D hierarchical Co<sub>3</sub>O<sub>4</sub>: Controlled preparation of coral-/urchin-like structures and application in photo-catalytic degradation. **2017**, 720, 437-444 10
- 669 Achieving excellent activity and stability for oxygen reduction electrocatalysis by hollow mesoporous iron-nitrogen-doped graphitic carbon spheres. **2017**, 5, 12243-12251 40
- 668 Mass Production of Monodisperse Carbon Microspheres with Size-Dependent Supercapacitor Performance via Aqueous Self-Catalyzed Polymerization. **2017**, 82, 872-878 35
- 667 Single step hydrothermal synthesis of carbon nanodot decorated V<sub>2</sub>O<sub>5</sub> nanobelts as hybrid conducting material for supercapacitor application. **2017**, 253, 103-112 17
- 666 N, S co-doped carbon spheres with highly dispersed CoO as non-precious metal catalyst for oxygen reduction reaction. **2017**, 360, 106-113 32
- 665 Au and Ag nanoparticles encapsulated within silica nanospheres using dendrimers as dual templating agent and their catalytic activity. **2017**, 438, 184-196 16

664	Au/CeO <sub>2</sub> hollow nanospheres with enhanced catalytic activity for CO oxidation. <b>2017</b> , 14, 908-914	2
663	Biomimetically Engineered Demi-Bacteria Potentiate Vaccination against Cancer. <b>2017</b> , 4, 1700083	30
662	Fabrication of CeO <sub>2</sub> @MnO <sub>2</sub> Core-Shell Nanospheres and Their Application in CO Oxidation. <b>2017</b> , 12, 1750039	6
661	Facile and sustainable synthesis of nitrogen-doped polymer and carbon porous spheres. <b>2017</b> , 19, 2266-2274	31
660	Different Synthesis Process of Carbon Nanomaterials for Biological Applications. <b>2017</b> , 1-41	3
659	Functionalization of biomass carbonaceous aerogels and their application as electrode materials for electro-enhanced recovery of metal ions. <b>2017</b> , 4, 1114-1123	46
658	Synthesis of ultra-small carbon nanospheres (. <b>2017</b> , 5, 12131-12143	26
657	Design and Synthesis of Rattle-type Au@MnO <sub>2</sub> Hollow Nanospheres as Catalysts for CO Oxidation. <b>2017</b> , 46, 876-878	5
656	Electrophoretically deposited carbon micro and nanospheres thin films as superhydrophobic coatings. <b>2017</b> , 319, 318-325	8
655	Synthesis and characterization of hollow V <sub>2</sub> O <sub>5</sub> microspheres for supercapacitor electrode with pseudocapacitance. <b>2017</b> , 35, 188-196	7
654	Dual-porosity MnO cubes for highly efficient dye adsorption. <b>2017</b> , 333, 222-231	46
653	General Method for Large-Area Films of Carbon Nanomaterials and Application of a Self-Assembled Carbon Nanotube Film as a High-Performance Electrode Material for an All-Solid-State Supercapacitor. <b>2017</b> , 27, 1700474	56
652	Facile synthesis of fluorescence carbon dots from sweet potato for Fe sensing and cell imaging. <b>2017</b> , 76, 856-864	170
651	Preparation of mesoporous material from hydrotalcite/carbon composite precursor for chromium(VI) removal. <b>2017</b> , 70, 302-310	15
650	Hollow Hierarchical Carbon Spheres Decorated with Ultrathin Molybdenum Disulfide Nanosheets as High-Capacity Electrode Materials for Asymmetric Supercapacitors. <b>2017</b> , 4, 620-627	41
649	Dual-Core Fe <sub>2</sub> O <sub>3</sub> @Carbon Structure Derived from Hydrothermal Carbonization of Chitosan as a Highly Efficient Material for Selective Adsorption. <b>2017</b> , 5, 1457-1467	50
648	Alkali-assisted hydrothermal route to control submicron-sized nanoporous carbon spheres with uniform distribution. <b>2017</b> , 515, 1-11	28
647	Enhanced Activity of Immobilized Horseradish Peroxidase by Carbon Nanospheres for Phenols Removal. <b>2017</b> , 45, 1600077	21

646	Multi-shelled copper oxide hollow spheres and their gas sensing properties. <b>2017</b> , 87, 214-218	13
645	Synthesis of high fluorescence graphene quantum dots and their selective detection for Fe <sup>3+</sup> in aqueous solution. <b>2017</b> , 243, 863-872	50
644	The crystalline/amorphous contact in Cu <sub>2</sub> O/Ta <sub>2</sub> O <sub>5</sub> heterostructures: increasing its sunlight-driven overall water splitting efficiency. <b>2017</b> , 5, 2732-2738	30
643	Electrostatic-Induced Assembly of Graphene-Encapsulated Carbon@Nickel-Aluminum Layered Double Hydroxide Core-Shell Spheres Hybrid Structure for High-Energy and High-Power-Density Asymmetric Supercapacitor. <b>2017</b> , 9, 1395-1406	76
642	Biomass derived carbon for energy storage devices. <b>2017</b> , 5, 2411-2428	474
641	Synthesis, Characterization, and Applications of Three-Dimensional (3D) Nanostructures. <b>2017</b> , 363-520	2
640	Synthesis of Nitrogen-Doped Porous Carbon Spheres with Improved Porosity toward the Electrocatalytic Oxygen Reduction. <b>2017</b> , 5, 11105-11116	45
639	Hierarchical Porous Double-Shelled Electrocatalyst with Tailored Lattice Alkalinity toward Bifunctional Oxygen Reactions for Metal-Air Batteries. <b>2017</b> , 2, 2706-2712	64
638	Tuning Shell Numbers of Transition Metal Oxide Hollow Microspheres toward Durable and Superior Lithium Storage. <b>2017</b> , 11, 11521-11530	72
637	Stabilized gold nanoparticles by laser ablation in ferric chloride solutions. <b>2017</b> , 123, 1	4
636	Phenolic condensation and facilitation of fluorescent carbon dot formation: a mechanism study. <b>2017</b> , 9, 16596-16601	24
635	Simple synthesis of a double-shell hollow structured MnO <sub>2</sub> @TiO <sub>2</sub> composite as an anode material for lithium ion batteries. <b>2017</b> , 7, 46263-46270	13
634	Microwave-assisted hydrothermal synthesis of carbon materials with tunable microstructure. <b>2017</b> , 32, 1032-1037	1
633	Individual Nanoporous Carbon Spheres with High Nitrogen Content from Polyacrylonitrile Nanoparticles with Sacrificial Protective Layers. <b>2017</b> , 9, 37804-37812	18
632	Rhodium Nanoparticles Loaded on Carbon-Wrapped Fe <sub>3</sub> O <sub>4</sub> Sphere: an Efficient, Stable and Magnetically Recoverable Catalyst for the Catalytic Transfer Hydrogenation of Nitroarenes in Water. <b>2017</b> , 2, 6762-6766	5
631	Bioactive carbon dots lights up microtubules and destabilises cell cytoskeletal framework - A robust imaging agent with therapeutic activity. <b>2017</b> , 159, 662-672	7
630	Multishelled CaO Microspheres Stabilized by Atomic Layer Deposition of Al <sub>2</sub> O <sub>3</sub> for Enhanced CO Capture Performance. <b>2017</b> , 29, 1702896	66
629	Effective Formation of Oxygen Vacancies in Black TiO <sub>2</sub> Nanostructures with Efficient Solar-Driven Water Splitting. <b>2017</b> , 5, 8982-8987	93



628	Nitrogen-doped hollow carbon spheres derived from amination reaction of fullerene with alkyl diamines as a carbon catalyst for hydrogenation of aromatic nitro compounds. <b>2017</b> , 125, 139-145	24
627	Nanostructured anode materials for lithium-ion batteries: principle, recent progress and future perspectives. <b>2017</b> , 5, 19521-19540	228
626	Catalysts Encapsulated in Nanostructured Carbon Systems. <b>2017</b> , 71-122	0
625	Plasma-assisted synthesis and study of structural and magnetic properties of Fe/C core shell. <b>2017</b> , 7, 075013	7
624	Hydrothermal Synthesis of Monodisperse Hard Carbon Spheres and Their Water-Based Lubrication. <b>2017</b> , 65, 1	21
623	Effect of phosphoric acid on the surface properties and Pb(II) adsorption mechanisms of hydrochars prepared from fresh banana peels. <b>2017</b> , 165, 221-230	71
622	Facile synthesis of uniform magnetic graphitic carbon for an efficient adsorption of pentachlorophenol. <b>2017</b> , 7, 35012-35015	2
621	Synthesis of Co <sub>3</sub> O <sub>4</sub> /Ta <sub>2</sub> O <sub>5</sub> heterostructure hollow nanospheres for enhanced room temperature ethanol gas sensor. <b>2017</b> , 727, 436-443	13
620	Hydrochar-Supported, in Situ-Generated Nickel Nanoparticles for Sorption-Enhanced Catalytic Gasification of Sewage Sludge. <b>2017</b> , 5, 7613-7622	24
619	Carbon nanosphere supported Ru catalyst for the synthesis of renewable herbicide and chemicals. <b>2017</b> , 100, 206-209	9
618	Efficient synthesis of hollow silica microspheres useful for porous silica ceramics. <b>2017</b> , 43, 13907-13912	6
617	Fabrication of Octahedral [email protected] Carbon Cage Complex Porous Structures and Their Microwave-Driven Catalytic Activity. <b>2017</b> , 5, 7800-7811	8
616	A novel strategy to fabricate a hierarchical NiAl LDH platinum nanocatalyst with enhanced thermal stability. <b>2017</b> , 41, 8837-8844	5
615	Green-low-cost rechargeable aqueous zinc-ion batteries using hollow porous spinel ZnMn <sub>2</sub> O <sub>4</sub> as the cathode material. <b>2017</b> , 5, 17990-17997	192
614	Characterization of products from hydrothermal carbonization of pine. <b>2017</b> , 244, 78-83	57
613	Multi-dimensional micro-/nano-reactor spheres for sustainable water treatment. <b>2017</b> , 7, 5550-5561	5
612	Exceptional catalytic activity of hollow structured La <sub>0.6</sub> Sr <sub>0.4</sub> CoO <sub>3</sub> perovskite spheres in aqueous media and aprotic LiD <sub>2</sub> batteries. <b>2017</b> , 5, 18029-18037	23
611	In-depth characterization of valuable char obtained from hydrothermal conversion of hazelnut shells to levulinic acid. <b>2017</b> , 244, 880-888	31

610	Rational design of multi-shelled CoO/Co <sub>9</sub> S <sub>8</sub> hollow microspheres for high-performance hybrid supercapacitors. <b>2017</b> , 5, 18448-18456	78
609	Biomass-Derived Carbon Nanospheres with Turbostratic Structure as Metal-Free Catalysts for Selective Hydrogenation of o-Chloronitrobenzene. <b>2017</b> , 5, 7481-7485	30
608	Carbon sphere@CoS yolk-shell structure with good morphology stability for improved lithium storage performance. <b>2017</b> , 28, 375402	14
607	A Novel and Template-Free Synthesis of Multifunctional Double-Shelled Fe <sub>3</sub> O <sub>4</sub> -C Nanoreactor as an Ideal Support for Confined Catalytic Reactions. <b>2017</b> , 2, 10871-10879	15
606	NiFe <sub>2</sub> O <sub>4</sub> magnetic nanoparticles as an adsorbent for cadmium removal from aqueous solution. <b>2017</b> , 39, 281-288	6
605	Fabrication of carbon quantum dots with nano-defined position and pattern in one step via sugar-electron-beam writing. <b>2017</b> , 9, 19263-19270	6
604	Ultra-low charge transfer resistance carbons by one-pot hydrothermal method for glucose sensing. <b>2017</b> , 60, 1234-1244	5
603	Sacrificial Template Strategy toward a Hollow LiNiCoMnO Nanosphere Cathode for Advanced Lithium-Ion Batteries. <b>2017</b> , 2, 7593-7599	11
602	Hydrothermal Carbonization and Its Role in Catalysis. <b>2017</b> , 715-752	2
601	Excellent sodium storage performance of carbon-coated TiO <sub>2</sub> : Assisted with electrostatic interaction of surfactants. <b>2017</b> , 361, 326-333	22
600	Direct synthesis of ordered mesoporous hydrothermal carbon materials via a modified soft-templating method. <b>2017</b> , 253, 215-222	21
599	Structural evolution of hydrothermal carbon spheres induced by high temperatures and their electrical properties under compression. <b>2017</b> , 121, 426-433	19
598	Size-tunable carbon nanoparticles with excitation-independent fluorescent properties. <b>2017</b> , 4, 4896-4899	4
597	One-step hydrothermal preparation of (NH <sub>4</sub> ) <sub>2</sub> V <sub>3</sub> O <sub>8</sub> /carbon composites and conversion to porous V <sub>2</sub> O <sub>5</sub> nanoparticles as supercapacitor electrode with excellent pseudocapacitive capability. <b>2017</b> , 423, 728-742	51
596	Photocatalytic hollow TiO and ZnO nanospheres prepared by atomic layer deposition. <b>2017</b> , 7, 4337	25
595	A novel method for synthesizing well-defined boehmite hollow microspheres. <b>2017</b> , 504, 660-668	18
594	Sulfur-doped nanoporous carbon spheres with ultrahigh specific surface area and high electrochemical activity for supercapacitor. <b>2017</b> , 360, 373-382	112
593	NiCo <sub>2</sub> O <sub>4</sub> -decorated porous carbon nanosheets for high-performance supercapacitors. <b>2017</b> , 247, 288-295	45

592	Sorbitol-employed hydrothermal carbonization to TiO <sub>2</sub> @C mesoporous hybrids with promoted visible light utilization and excellent photosensitization stability. <b>2017</b> , 723, 948-959	11
591	Hydrothermal carbonaceous sphere based stationary phase for anion exchange chromatography. <b>2017</b> , 163, 24-30	10
590	Synthesis of rambutan-like MoS <sub>2</sub> /mesoporous carbon spheres nanocomposites with excellent performance for supercapacitors. <b>2017</b> , 396, 994-999	57
589	Photochemistry of nanoporous carbons: Perspectives in energy conversion and environmental remediation. <b>2017</b> , 490, 879-901	37
588	Environmentally Benign Bioderived Carbon Microspheres-Supported Molybdena Nanoparticles as Catalyst for the Epoxidation Reaction. <b>2017</b> , 5, 904-910	15
587	Activation of peroxymonosulfate with magnetic and recyclable Fe <sub>3</sub> O <sub>4</sub> @C/MnCo <sub>2</sub> O <sub>4</sub> nanocomposites for the decolorization of Acid Orange II. <b>2017</b> , 92, 1601-1612	19
586	Novel hollow microspheres Mn <sub>x</sub> Co <sub>3-x</sub> O <sub>4</sub> (x = 1, 2) with remarkable performance for low-temperature selective catalytic reduction of NO with NH <sub>3</sub> . <b>2017</b> , 81, 576-585	15
585	Highly enhanced acetone sensing performance of porous C-doped WO <sub>3</sub> hollow spheres by carbon spheres as templates. <b>2017</b> , 239, 597-607	68
584	Mesoporous architecture of TiO <sub>2</sub> microspheres via controlled template assisted route and their photoelectrochemical properties. <b>2017</b> , 28, 304-316	24
583	Magnetic porous carbon microspheres synthesized by simultaneous activation and magnetization for removing methylene blue. <b>2017</b> , 24, 341-353	20
582	Carbon nanotubes from renewable feedstocks: A move toward sustainable nanofabrication. <b>2017</b> , 134,	26
581	Use of Monosaccharides in Metal-Catalyzed Coupling Reactions. <b>2017</b> , 5, 41-48	10
580	Two-dimensional TiO <sub>2</sub> -based nanosheets co-modified by surface-enriched carbon dots and Gd <sub>2</sub> O <sub>3</sub> nanoparticles for efficient visible-light-driven photocatalysis. <b>2017</b> , 396, 185-201	20
579	Passivation of defect states in anatase TiO <sub>2</sub> hollow spheres with Mg doping: Realizing efficient photocatalytic overall water splitting. <b>2017</b> , 202, 127-133	96
578	Cellulose nanocrystal/hexadecyltrimethylammonium bromide/silver nanoparticle composite as a catalyst for reduction of 4-nitrophenol. <b>2017</b> , 156, 253-258	84
577	MnO <sub>2</sub> nanorods/SiO <sub>2</sub> sphere coated on single-wall carbon nanotubes as supercapacitor electrode for high energy storage applications. <b>2017</b> , 4, 124004	10
576	Present Advancement in Production of Carbon Nanotubes and Their Derivatives from Industrial Waste with Promising Applications. <b>2017</b> , 34, 24-43	10
575	Nitridation of metal salen-derived ZnGa <sub>2</sub> O <sub>4</sub> particles using a solid nitrogen source. <b>2017</b> , 42, 89-92	1

574	Group VIII Base Metal Nanocatalysts with Encapsulated Structures as an Area of Green Chemistry. <b>2017</b> , 57, 1259-1276	2
573	Delivery of a chemotherapeutic drug using novel hollow carbon spheres for esophageal cancer treatment. <b>2017</b> , 12, 6759-6769	20
572	Droplet Microfluidics for the Production of Microparticles and Nanoparticles. <b>2017</b> , 8, 22	68
571	Facile Preparation of Porous Inorganic SiO <sub>2</sub> Nanofibrous Membrane by Electrospinning Method. <b>2017</b> , 2017, 1-8	6
570	Fabrication of carbon nanospheres by the pyrolysis of polyacrylonitrile-poly(methyl methacrylate) core-shell composite nanoparticles. <b>2017</b> , 8, 1897-1908	4
569	Novel carbon nanospheres and poly(9-vinylcarbazole) composites: Synthesis, structural and photo-physical properties of films elaboration. <b>2018</b> , 211, 399-405	6
568	Trifunctional [email[protected]] Catalyst for Enhanced Stable Simultaneously Catalytic Removal of Formaldehyde and Ozone. <b>2018</b> , 8, 3164-3180	52
567	Complimentary effects of annealing temperature on optimal tuning of functionalized carbon-VO hybrid nanobelts for targeted dual applications in electrochromic and supercapacitor devices.. <b>2018</b> , 8, 8596-8606	12
566	Enhancing the Lithium Storage Performance of Graphene/SnO Nanorods by a Carbon-Riveting Strategy. <b>2018</b> , 11, 1321-1327	46
565	Fabrication of hierarchical porous hollow carbon spheres with few-layer graphene framework and high electrochemical activity for supercapacitor. <b>2018</b> , 443, 367-373	23
564	Eggshell-Assisted Preparation of Mixed Nanoparticles Simultaneously Encapsulated in Carbon Microcubes for Reversible Lithium Storage. <b>2018</b> , 35, 1700311	1
563	A facile hydrothermal synthesis of novel hollow triple-shell CuNiFe <sub>2</sub> O <sub>4</sub> nanospheres with robust catalytic performance in the SuzukiMiyaura coupling reaction. <b>2018</b> , 360, 261-269	47
562	Hydrothermal synthesis of halloysite nanotubes @carbon nanocomposites with good biocompatibility. <b>2018</b> , 266, 155-163	10
561	PdO/Pd-CeO <sub>2</sub> hollow spheres with fresh Pd surface for enhancing formic acid oxidation. <b>2018</b> , 347, 193-201	26
560	Degradation of Acid Orange 7 by peroxymonosulfate activated with the recyclable nanocomposites of g-CN modified magnetic carbon. <b>2018</b> , 205, 297-307	31
559	Hydrothermal Carbonization of Biomass: A Review. <b>2018</b> , 52, 91-103	42
558	Nitrogen-Functionalized Hydrothermal Carbon Materials by Using Urotropine as the Nitrogen Precursor. <b>2018</b> , 24, 12298-12317	13
557	Carbon dots derived from tobacco for visually distinguishing and detecting three kinds of tetracyclines. <b>2018</b> , 10, 8139-8145	68

556	Precursor-Based Synthesis of Porous Colloidal Particles towards Highly Efficient Catalysts. <b>2018</b> , 24, 10280-10290	7
555	Carbon materials-functionalized tin dioxide nanoparticles toward robust, high-performance nitrogen dioxide gas sensor. <b>2018</b> , 524, 76-83	17
554	Ultraviolet Photoluminescence of Carbon Nanospheres and its Surface Plasmon-Induced Enhancement. <b>2018</b> , 14, e1704239	9
553	Sulfonated Carbon Nanotubes as Superior Catalysts towards V <sup>3+</sup> /V <sup>2+</sup> +Redox Reaction for Vanadium Redox Flow Battery. <b>2018</b> , 165, A932-A938	10
552	Facile synthesis of core-shell Ag@C nanospheres with improved tribological properties for water-based additives. <b>2018</b> , 42, 8773-8782	22
551	Heterogeneous NiS/NiO multi-shelled hollow microspheres with enhanced electrochemical performances for hybrid-type asymmetric supercapacitors. <b>2018</b> , 6, 9153-9160	76
550	Elucidation of structure-inhibition relationship of monosaccharides derived pseudo-lignin in enzymatic hydrolysis. <b>2018</b> , 113, 368-375	34
549	Carbon dot-Au(I)Ag(0) assembly for the construction of an artificial light harvesting system. <b>2018</b> , 47, 3580-3587	3
548	Designed Synthesis and Supercapacitor Electrode of V <sub>2</sub> O <sub>3</sub> @C Core-shell Structured Nanorods with Excellent Pseudo-capacitance in Na <sub>2</sub> SO <sub>4</sub> Neutral Electrolyte. <b>2018</b> , 3, 1577-1584	7
547	One-step hydrothermal growth of carbon nanofibers and insitu assembly of Ag nanowire@carbon nanofiber@Ag nanoparticles ternary composites for efficient photocatalytic removal of organic pollutants. <b>2018</b> , 131, 213-222	16
546	Nano-micro carbon spheres anchored on porous carbon derived from dual-biomass as high rate performance supercapacitor electrodes. <b>2018</b> , 381, 116-126	115
545	Improved capacity of redox-active functional carbon cathodes by dimension reduction for hybrid supercapacitors. <b>2018</b> , 6, 3367-3375	25
544	Structure and adsorptive desulfurization performance of the composite material MOF-5@AC. <b>2018</b> , 42, 3840-3850	29
543	The activity and stability of PdCl <sub>2</sub> /C-N catalyst for acetylene hydrochlorination. <b>2018</b> , 61, 444-448	19
542	Carbon Nanoparticles in High-Performance Perovskite Solar Cells. <b>2018</b> , 8, 1702719	59
541	Functionalized MOFs-controlled formation of novel Ni-Co nanoheterostructure@carbon hybrid as the electrodes for supercapacitor. <b>2018</b> , 216, 207-211	7
540	Carbon nanospheres mediated nuclear delivery of SMAR1 protein (DNA binding domain) controls breast tumor in mice model. <b>2018</b> , 13, 353-372	3
539	Surface functionalized carbon microspheres for the recovery of copper ion from refinery wastewater. <b>2018</b> , 35, 147-152	8

538	Self-assembled porous Fe <sub>3</sub> O <sub>4</sub> /C nanoclusters with superior rate capability for advanced lithium-ion batteries. <b>2018</b> , 29, 6491-6500	5
537	Synthesis and chromatic properties of zircon encapsulated ceramic black pigment with carbon sphere as carbon source. <b>2018</b> , 38, 2218-2227	13
536	Environmental behavior of coated NMs: Physicochemical aspects and plant interactions. <b>2018</b> , 347, 196-217	28
535	In-situ loading nano silver on magnetic carbon using Tollen's reagent. <b>2018</b> , 207, 289-293	1
534	Surface engineering of zirconium particles by molecular layer deposition: Significantly enhanced electrostatic safety at minimum loss of the energy density. <b>2018</b> , 436, 548-555	5
533	Carbon-coated copper nanoparticles: Characterization and fabrication via ultrasonic irradiation. <b>2018</b> , 735, 2162-2166	8
532	A DFT Study on the Catalytic CO Oxidative Coupling to Dimethyl Oxalate on Al-Doped Core-Shell Pd Clusters. <b>2018</b> , 122, 1169-1179	15
531	Synthesis of carbon microspheres under ambient pressure. <b>2018</b> , 25, 1245-1250	2
530	Low Li Insertion Barrier Carbon for High Energy Efficient Lithium-Ion Capacitor. <b>2018</b> , 10, 1690-1700	37
529	Size Control of Carbon Spherical Shells for Sensitive Detection of Paracetamol in Sweat, Saliva, and Urine. <b>2018</b> , 1, 654-661	29
528	Hydrothermal Carbon-Coated TiO <sub>2</sub> as Support for Co-Based Catalyst in Fischer-Tropsch Synthesis. <b>2018</b> , 8, 1591-1600	55
527	Post iron-doping of activated nitrogen-doped carbon spheres as a high-activity oxygen reduction electrocatalyst. <b>2018</b> , 13, 142-150	29
526	Au-Ag bimetallic nanoparticles decorated multi-amino cyclophosphazene hybrid microspheres as enhanced activity catalysts for the reduction of 4-nitrophenol. <b>2018</b> , 207, 315-324	47
525	Encapsulating V <sub>2</sub> O <sub>3</sub> nanorods into carbon core-shell composites with porous structures and large specific surface area for high performance solid-state supercapacitors. <b>2018</b> , 262, 199-206	35
524	Revealing the Dynamic Formation Process and Mechanism of Hollow Carbon Spheres: From Bowl to Sphere. <b>2018</b> , 6, 2797-2805	28
523	Facile deposition of Cu <sub>2</sub> O in a UV-enhanced sulfite-mediated glucose fuel cell for photoelectrocatalytic reduction of oxygen. <b>2018</b> , 740, 355-363	7
522	Facile synthesis of tunable polymer spheres for encapsulation pigment application. <b>2018</b> , 216, 63-66	6
521	Experimental and theoretical calculation investigation of 2,4-dichlorophenoxyacetic acid adsorption onto core-shell carbon microspheres@layered double hydroxide composites.. <b>2018</b> , 8, 856-866	10

520	Incorporation and distribution of noble metal atoms in polyacrylonitrile colloidal particles using different polymerization strategies. <b>2018</b> , 145, 41-53	3
519	BaTiO <sub>3</sub> @carbon/silicon carbide/poly(vinylidene fluoride-hexafluoropropylene) three-component nanocomposites with high dielectric constant and high thermal conductivity. <b>2018</b> , 162, 180-187	29
518	Biocompatible and pH-sensitive MnO-loaded carbonaceous nanospheres (MnO@CNSs): A theranostic agent for magnetic resonance imaging-guided photothermal therapy. <b>2018</b> , 136, 113-124	16
517	Ultrathin mesoporous shell Co <sub>3</sub> O <sub>4</sub> hollow spheres as high-performance electrode materials for lithium-ion batteries. <b>2018</b> , 214, 165-171	15
516	Template-stereocontrolled [2 + 2] photoreactions directed by surface recognition on hydrophilic functionalized carbon materials. <b>2018</b> , 20, 2932-2939	4
515	The antifouling performance of an ultrafiltration membrane with pre-deposited carbon nanofiber layers for water treatment. <b>2018</b> , 557, 87-95	18
514	Synchronous, efficient and fast removal of phosphate and organic matter by carbon-coated lanthanum nanorods.. <b>2018</b> , 8, 11754-11763	7
513	Pd supported on NC@SiC as an efficient and stable catalyst for 4-carboxybenzaldehyde hydrogenation. <b>2018</b> , 110, 79-82	3
512	An ion exchange approach assembled multi-dimensional hierarchical Fe <sub>3</sub> O <sub>4</sub> /TiO <sub>2</sub> composite micro-/nano multi-shell hollow spheres for bacteria lysis through utilizing visible light. <b>2018</b> , 8, 2077-2086	3
511	Preparation and adsorption property of hollow MoS <sub>2</sub> microspheres composed of nanoflakes. <b>2018</b> , 44, 4353-4364	5
510	Surface-enhanced Raman nanoparticles for tumor theranostics applications. <b>2018</b> , 8, 349-359	41
509	Carbon nanotube@manganese oxide nanosheet core-shell structure encapsulated within reduced graphene oxide film for flexible all-solid-state asymmetric supercapacitors. <b>2018</b> , 132, 776-784	56
508	One-Pot Hydrothermal Synthesis of Porous Ni(OH) <sub>2</sub> /C Composites and Its Application in Ni/Zn Alkaline Rechargeable Battery. <b>2018</b> , 165, A910-A917	36
507	Synthesis and characterization of Ag@Carbon core-shell spheres as a novel catalyst for room temperature N-arylation reaction. <b>2018</b> , 361, 339-346	8
506	Carbon nanosphere-based fluorescence aptasensor for targeted detection of breast cancer cell MCF-7. <b>2018</b> , 185, 113-117	25
505	A simple green approach to synthesis of sub-100 nm carbon spheres as template for TiO <sub>2</sub> hollow nanospheres with enhanced photocatalytic activities. <b>2018</b> , 61, 869-877	16
504	Orderly meso-perforated spherical and apple-shaped 3D carbon microstructures for high-energy supercapacitors and high-capacity Li-ion battery anodes. <b>2018</b> , 6, 6422-6434	11
503	Core-shell hierarchical C@Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> ·nH <sub>2</sub> O nanostructures for the efficient removal of radionuclides. <b>2018</b> , 5, 1140-1149	54

502	High-stability polyamine/amide-functionalized magnetic nanoparticles for enhanced extraction of uranium from aqueous solutions. <b>2018</b> , 86, 148-157	32
501	One step synthesis process for fabricating NiFe <sub>2</sub> O <sub>4</sub> nanoparticle loaded porous carbon spheres by ultrasonic spray pyrolysis. <b>2018</b> , 29, 1474-1480	8
500	Cellulase immobilized on mesoporous biochar synthesized by ionothermal carbonization of cellulose. <b>2018</b> , 25, 2473-2485	9
499	Sacrificial-template-free synthesis of core-shell C@BiS heterostructures for efficient supercapacitor and H <sub>2</sub> production applications. <b>2018</b> , 8, 4194	41
498	1D N-doped hierarchically porous hollow carbon tubes derived from a supramolecular template as metal-free electrocatalysts for a highly efficient oxygen reduction reaction. <b>2018</b> , 6, 6212-6219	55
497	Efficient conversion of cellulose into 5-hydroxymethylfurfural over niobia/carbon composites. <b>2018</b> , 332, 528-536	63
496	Iron and carbon codoped WO <sub>3</sub> with hierarchical walnut-like microstructure for highly sensitive and selective acetone sensor. <b>2018</b> , 256, 27-37	62
495	Carbon-coated cobalt oxide porous spheres with improved kinetics and good structural stability for long-life lithium-ion batteries. <b>2018</b> , 510, 368-375	21
494	Synthesis of Luminescent N-Doped Carbon Dots by Hydrothermal Treatment. <b>2018</b> , 255, 1700222	10
493	Renewable biomass derived hierarchically porous carbonaceous sponges and their magnetic nanocomposites for removal of organic molecules from water. <b>2018</b> , 58, 334-342	20
492	Facile and Controllable One-Pot Synthesis of Hierarchical Co <sub>9</sub> S <sub>8</sub> Hollow Microspheres as High-Performance Electroactive Materials for Energy Storage and Conversion. <b>2018</b> , 5, 137-143	13
491	Structure-driven efficient NiFe <sub>2</sub> O <sub>4</sub> materials for ultra-fast response electronic sensing platform. <b>2018</b> , 255, 1436-1444	48
490	Fabrication of monodisperse hollow mesoporous carbon spheres by using confined nanospace deposition method for supercapacitor. <b>2018</b> , 736, 35-41	16
489	A Highly Efficient Oxygen Evolution Catalyst Consisting of Interconnected Nickel-Iron-Layered Double Hydroxide and Carbon Nanodomains. <b>2018</b> , 30, 1705106	153
488	Hydrothermal encapsulation of VO(A) nanorods in amorphous carbon by carbonization of glucose for energy storage devices. <b>2018</b> , 47, 452-464	152
487	Continuous Carbon Hollow Shell with Zinc Oxide Nanoparticles Embedded as an Anode Material with Excellent Lithium Storage Capability. <b>2018</b> , 6, 188-195	11
486	Constructing p <sub>n</sub> heterostructures for efficient structure-driven ethanol sensing performance. <b>2018</b> , 255, 745-753	25
485	From waste to high-value product: Jackfruit peel derived pectin/apatite bionanocomposites for bone healing applications. <b>2018</b> , 106, 293-301	24



484	Hydrothermal Solid Carrot Spheres. <b>2018</b> , 283, 16-22	
483	Amphiphilic spherical nanoparticles with a nitrogen-enriched carbon-like surface by using $\beta$ -lactoglobulin as a template. <b>2018</b> , 54, 13204-13207	5
482	Tailoring porous carbon spheres for supercapacitors. <b>2018</b> , 10, 21604-21616	64
481	Nanocarbon powder for latent fingerprint development: a green chemistry approach. <b>2018</b> , 8,	5
480	Catalytic decomposition of $N_2O$ over Mg-Co composite oxides hydrothermally prepared by using carbon sphere as template. <b>2018</b> , 46, 569-577	5
479	Two-step carbon modification of $NaTi_2(PO_4)_3$ with improved sodium storage performance for Na-ion batteries. <b>2018</b> , 25, 2320-2331	15
478	Solid and macroporous FeC/N-C nanofibers with enhanced electromagnetic wave absorbability. <b>2018</b> , 8, 16832	22
477	UV-Curable Hydrophobic Coatings of Functionalized Carbon Microspheres with Good Mechanical Properties and Corrosion Resistance. <b>2018</b> , 8, 439	4
476	Functionalization and Grafting of Nanoparticle Surfaces. <b>2018</b> , 711-724	1
475	ZnO-functionalized mesoporous inner-empty nanotheranostic platform: upconversion imaging guided chemotherapy with pH-triggered drug delivery. <b>2018</b> , 29, 505101	3
474	Preparation and Application of Biochar-Based Catalysts for Biofuel Production. <b>2018</b> , 8, 346	90
473	Encapsulation of Metal Nanoparticle Catalysts Within Mesoporous Zeolites and Their Enhanced Catalytic Performances: A Review. <b>2018</b> , 6, 550	46
472	Lignosulfonate-Directed Synthesis of Consubstantial YolkShell Carbon Microspheres with Pollen-Like Surface from Sugar Biomass. <b>2018</b> , 6, 16315-16322	9
471	Simultaneous formation of carbon nanosheet and loading of platinum nanoparticle to form platinum/carbon nanosheet composite and its electrocatalytic activity. <b>2018</b> , 90, 79-83	2
470	Synthesis of High Surface Area Carbon Nanospheres with Wrinkled Cages and Their $CO_2$ Capture Studies. <b>2018</b> , 3, 10684-10688	9
469	Recent Advances and Perspective on Design and Synthesis of Electrode Materials for Electrochemical Sensing of Heavy Metals. <b>2018</b> , 1, 113-131	21
468	Free-radical reaction synthesis of carbon using nitrogenous organic molecules and $CCl_4$ . <b>2018</b> , 42, 17407-17411	11
467	Highly efficient removal of antibiotics and dyes from water by the modified carbon nanofibers composites with abundant mesoporous structure. <b>2018</b> , 558, 392-401	23

466	Sustainable and scalable synthesis of monodisperse carbon nanospheres and their derived superstructures. <b>2018</b> , 20, 4596-4601	23
465	Converting Polyvinyl Chloride Plastic Wastes to Carbonaceous Materials via Room-Temperature Dehalogenation for High-Performance Supercapacitor. <b>2018</b> ,	2
464	A novel fructose-based adsorbent with high capacity and its ethane-selective adsorption property. <b>2018</b> , 268, 190-197	9
463	Microwell Confined Iron Oxide Nanoparticles in Honeycomblike Carbon Spheres for the Adsorption of Sb(III) and Sequential Utilization as a Catalyst. <b>2018</b> , 6, 12925-12934	25
462	Emerging Carbon-Nanofiber Aerogels: Chemosynthesis versus Biosynthesis. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 15646-15662	16.4 74
461	Kohlenstoffnanofaser-Aerogele: Vergleich von Chemosynthese und Biosynthese. <b>2018</b> , 130, 15872-15889	8
460	Controllable Synthesis of Multiheteroatoms Co-Doped Hierarchical Porous Carbon Spheres as an Ideal Catalysis Platform. <b>2018</b> , 10, 19664-19672	16
459	StBer synthesis of tannic acid-formaldehyde resin polymer spheres and their derived carbon nanospheres and nanocomposites for oxygen reduction reaction. <b>2018</b> , 528, 1-9	26
458	Cost-Efficient Strategy for Sustainable Cross-Linked Microporous Carbon Bead with Satisfactory CO Capture Capacity. <b>2018</b> , 3, 5563-5573	17
457	Simple fabrication of Fe <sub>3</sub> O <sub>4</sub> /C/g-C <sub>3</sub> N <sub>4</sub> two-dimensional composite by hydrothermal carbonization approach with enhanced photocatalytic performance under visible light. <b>2018</b> , 8, 3484-3492	26
456	A strategy for the synthesis of VN@C and VC@C core-shell composites with hierarchically porous structures and large specific surface areas for high performance symmetric supercapacitors. <b>2018</b> , 47, 8052-8062	47
455	Pyrolysis kinetics and pore-forming mechanism of hydrotalcite/carbon composite. <b>2018</b> , 161, 404-411	5
454	Sea-Sponge-like Structure of Nano-FeO on Skeleton-C with Long Cycle Life under High Rate for Li-Ion Batteries. <b>2018</b> , 10, 19656-19663	41
453	Carbonization temperature controlled thermal conductivity of graphitic carbon nanoparticles and their polymer composites. <b>2018</b> , 8, 055332	2
452	One-pot synthesis of carbon-coated Fe <sub>3</sub> O <sub>4</sub> nanoparticles with tunable size for production of gasoline fuels. <b>2018</b> , 42, 10861-10867	9
451	Porous Fe <sub>3</sub> O <sub>4</sub> /C microspheres for efficient broadband electromagnetic wave absorption. <b>2018</b> , 44, 19171-19183	11
450	Facile synthesis and remarkable hydrogen sensing performance of Pt-loaded SnO <sub>2</sub> hollow microspheres. <b>2018</b> , 106, 403-408	15
449	Carbon nanomaterials for electroanalysis in pharmaceutical applications. <b>2018</b> , 169-225	5

448	Novel Nanomaterials as Electrocatalysts for Fuel Cells. <b>2018</b> , 169-204	2
447	Microporous Humins Synthesized in Concentrated Sulfuric Acid Using 5-Hydroxymethyl Furfural. <b>2018</b> , 3, 8537-8545	9
446	Hydrogenation of Rosin to Hydrogenated Rosin by Ru/Fe <sub>3</sub> O <sub>4</sub> @C Magnetic Catalyst. <b>2018</b> , 148, 3147-3157	5
445	Green synthesis of fluorescent carbon dots from spices for in vitro imaging and tumour cell growth inhibition. <b>2018</b> , 9, 530-544	86
444	Ultrathin graphene-like 2D porous carbon nanosheets and its excellent capacitance retention for supercapacitor. <b>2018</b> , 68, 257-266	49
443	Highly fluorescent N-doped carbon nanodots as an effective multi-probe quenching system for the determination of nitrite, nitrate and ferric ions in food matrices. <b>2018</b> , 189, 480-488	32
442	One-pot synthesis of graphitic and nitrogen-doped graphitic layers on nickel nanoparticles produced by pulsed laser ablation in liquid: Solvent as the carbon and nitrogen source. <b>2018</b> , 457, 1050-1056	26
441	Green Synthesis of Three-Dimensional Hybrid N-Doped ORR Electro-Catalysts Derived from Apricot Sap. <b>2018</b> , 11,	6
440	Aquivion-Carbon Composites with Tunable Amphiphilicity for Pickering Interfacial Catalysis. <b>2018</b> , 10, 26795-26804	17
439	Effects of graphitization of carbon nanospheres on hydrodeoxygenation activity of molybdenum carbide. <b>2018</b> , 8, 4199-4208	8
438	Formation of 1D chain-like Fe <sub>3</sub> O <sub>4</sub> @C/Pt sandwich nanocomposites and their magnetically recyclable catalytic property. <b>2018</b> , 457, 1136-1141	9
437	Core-Shell Structurized FeO@C@MnO Nanoparticles as pH Responsive T-T* Dual-Modal Contrast Agents for Tumor Diagnosis. <b>2018</b> , 4, 3047-3054	15
436	A multiscale hydrothermal carbon layer modified carbon fiber for composite fabrication.. <b>2018</b> , 8, 23339-233476	
435	Hierarchical nanocomposites with an N-doped carbon shell and bimetal core: Novel enzyme nanocarriers for electrochemical pesticide detection. <b>2018</b> , 121, 166-173	28
434	Template-free synthesis of rGO decorated hollow Co <sub>3</sub> O <sub>4</sub> nano/microspheres for ethanol gas sensor. <b>2018</b> , 44, 21091-21098	25
433	Carbon Nitride-Modified Defective TiO <sub>2</sub> @Carbon Spheres for Photocatalytic H <sub>2</sub> Evolution and Pollutants Removal: Synergistic Effect and Mechanism Insight. <b>2018</b> , 122, 20444-20458	29
432	Surface carboxyl-activated polyester (PET) fibers decorated with glucose carbon microspheres and their enhanced selective adsorption for dyes. <b>2018</b> , 123, 378-388	21
431	Al-Stabilized Double-Shelled Hollow CaO-Based Microspheres with Superior CO <sub>2</sub> Adsorption Performance. <b>2018</b> , 32, 9692-9700	14

430	Biomass-waste derived graphene quantum dots and their applications. <b>2018</b> , 140, 77-99	119
429	Fabrication and characterization of graphene-based carbon hollow spheres for encapsulation of organic corrosion inhibitors. <b>2018</b> , 352, 909-922	72
428	Bright, stable, and tunable solid-state luminescence of carbon nanodot organogels. <b>2018</b> , 20, 18089-18096	14
427	Direct reduction of oxygen gas over dendritic carbons with hierarchical porosity: beyond the diffusion limitation. <b>2018</b> , 5, 2023-2030	1
426	Sol-Gel Synthesis of Metal-Phenolic Coordination Spheres and Their Derived Carbon Composites. <b>2018</b> , 130, 9986-9991	22
425	Sol-Gel Synthesis of Metal-Phenolic Coordination Spheres and Their Derived Carbon Composites. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 9838-9843	16.4 69
424	Nanoparticle@MoS <sub>2</sub> Core-Shell Architecture: Role of the Core Material. <b>2018</b> , 30, 4675-4682	21
423	Hollow mesoporous carbon nanospheres for imaging-guided light-activated synergistic thermo-chemotherapy. <b>2019</b> , 11, 16351-16361	16
422	Controllable synthesis of multi-shelled NiCoO hollow spheres catalytically for the thermal decomposition of ammonium perchlorate.. <b>2019</b> , 9, 23888-23893	5
421	Utilization of Carbon Nanospheres in Photocatalyst Production: From Composites to Highly Active Hollow Structures. <b>2019</b> , 12,	5
420	In-built template synthesis of hierarchical porous carbon microcubes from biomass toward electrochemical energy storage. <b>2019</b> , 155, 1-8	35
419	Density functional theory model for carbon dot surfaces and their interaction with silver nanoparticles. <b>2019</b> , 114, 113640	8
418	Effect of pyrolysis condition on the adsorption mechanism of heavy metals on tobacco stem biochar in competitive mode. <b>2019</b> , 26, 26947-26962	12
417	Insight into the impact of surface hydrothermal carbon layer on photocatalytic performance of ZnO nanowire. <b>2019</b> , 583, 117145	9
416	Preparation of Al <sub>2</sub> O <sub>3</sub> hollow microsphere via calcining carbon template and its adsorption application. <b>2019</b> , 731, 136589	7
415	Heterogeneous Contraction-Mediated Asymmetric Carbon Colloids. <b>2019</b> , 1, 290-296	14
414	Large scale synthesis of nitrogen-doped nanoporous carbon spheres based on miniemulsion polymerization for efficient dye removal. <b>2019</b> , 1, 1	1
413	Investigation on the laser trapping mechanism of light-absorbing particles in air. <b>2019</b> , 126, 64002	6

4 <sup>12</sup>	Hydrothermal polymerization of glucose and melamine to form g-C <sub>3</sub> N <sub>4</sub> @graphene oxide sandwich nanochip-assembled porous microsphere. <b>2019</b> , 6, 105015	2
4 <sup>11</sup>	Optimization of fructose dehydration to 5-hydroxymethylfurfural catalyzed by SO <sub>3</sub> H-bearing lignin-derived ordered mesoporous carbon. <b>2019</b> , 36, 1042-1050	16
4 <sup>10</sup>	A 3D Trilayered CNT/MoSe <sub>2</sub> /C Heterostructure with an Expanded MoSe <sub>2</sub> Interlayer Spacing for an Efficient Sodium Storage. <b>2019</b> , 9, 1900567	132
4 <sup>09</sup>	Redox Modifications of Carbon Dots Shape Their Optoelectronics. <b>2019</b> , 123, 27937-27944	12
4 <sup>08</sup>	Nanoengineering Carbon Spheres as Nanoreactors for Sustainable Energy Applications. <b>2019</b> , 31, e1903886	147
4 <sup>07</sup>	Photocrosslinked hybrid composites with Ag, Au or Au-Ag NPs as visible-light triggered photocatalysts for degradation/reduction of aromatic nitroderivatives. <b>2019</b> , 121, 109289	14
4 <sup>06</sup>	Improvement of gas sensing performance for tin dioxide sensor through construction of nanostructures. <b>2019</b> , 557, 673-682	17
4 <sup>05</sup>	Biochars derived from marine macroalgae as a mesoporous by-product of hydrothermal liquefaction process: Characterization and application in wastewater treatment. <b>2019</b> , 32, 100942	21
4 <sup>04</sup>	N-doped carbon coated MnO/PdCu nanocomposite as a high-performance catalyst for 4-nitrophenol reduction. <b>2019</b> , 696, 134013	7
4 <sup>03</sup>	The electrochemical decoration of multi-walled carbon nanotubes with nickel oxide coating. <b>2019</b> , 1324, 012041	
4 <sup>02</sup>	A green and easy way for carbon microspheres synthesis impregnated with palladium for hexavalent chromium reduction. <b>2019</b> , 7, 103467	3
4 <sup>01</sup>	Effects of Gas Pressure on the Size Distribution and Structure of Carbon Nanoparticles Using Ar + CH <sub>4</sub> Multi-Hollow Discharged Plasma Chemical Vapor Deposition . <b>2019</b> , 14, 4406115-4406115	4
4 <sup>00</sup>	Sulfur-Doped TiO Anchored on a Large-Area Carbon Sheet as a High-Performance Anode for Sodium-Ion Battery. <b>2019</b> , 11, 44170-44178	22
399	Monodispersed Zerovalent Iron Nanoparticles Decorated Carbon Submicrospheres for Enhanced Removal of DDT from Aqueous Solutions. <b>2019</b> , 4, 12134-12142	4
398	Green and simple preparation of carbon-coated iron pyrite thin films for solar cells application. <b>2019</b> , 30, 19752-19759	3
397	Inverse Opal-Like, Ca <sub>3</sub> Al <sub>2</sub> O <sub>6</sub> -Stabilized, CaO-Based CO <sub>2</sub> Sorbent: Stabilization of a Highly Porous Structure To Improve Its Cyclic CO <sub>2</sub> Uptake. <b>2019</b> , 2, 6461-6471	14
396	Egg-Shell Like Hollow Alumina Sphere Modified Electrode for Enhanced Electrochemical Determination of Metronidazole. <b>2019</b> , 166, B1151-B1160	7
395	Selenium-doped phenolic resin spheres: Ultra-high adsorption capacity of noble metals. <b>2019</b> , 142, 223-230	8

- 394 An Unexpected Transformation of Organic Solvents into 2D Fluorescent Quantum Dots during Ultrasonication-Assisted Liquid-Phase Exfoliation. **2019**, 123, 25412-25421 4
- 393 Synthesis of Platinum Nanoparticles with High Catalytic Activity Supported on Magnetic Carbon Nanospheres. **2019**, 93, 1762-1768
- 392 Fabrication and Applications of Carbon/Clay Mineral Nanocomposites. **2019**, 537-587 4
- 391 Preparation and application performance study of biomass-based carbon materials with various morphologies by a hydrothermal/soft template method. **2019**, 30, 185702 14
- 390 Titanium Nitride Hollow Spheres Consisting of TiN Nanosheets and Their Controllable Carbon Nitrogen Active Sites as Efficient Electrocatalyst for Oxygen Reduction Reaction. **2019**, 58, 2741-2748 9
- 389 Carbon-Derived Supports for Palladium Nanoparticles as Catalysts for Carbon-Carbon Bonds Formation. **2019**, 11, 1792-1823 34
- 388 Design of Co<sub>3</sub>O<sub>4</sub>/CeO<sub>2</sub>/TiO<sub>2</sub> hierarchical binary oxides for the catalytic oxidation of dibromomethane. **2019**, 73, 134-141 14
- 387 Soft-template assisted hydrothermal synthesis of size-tunable, N-doped porous carbon spheres for supercapacitor electrodes. **2019**, 12, 1984-1990 12
- 386 Assembly of 2D graphene sheets and 3D carbon nanospheres into flexible composite electrodes for high-performance supercapacitors. **2019**, 12, 117-122 16
- 385 A phenolic resin-assisted strategy for MOF-derived hierarchical Co/N-doped carbon rhombic dodecahedra for electrocatalysis. **2019**, 7, 5173-5178 32
- 384 The surface capacitance behavior and its contribution to the excellent performance of cobalt ferrite/carbon anode in lithium storage. **2019**, 30, 12659-12668 4
- 383 Rapid synthesis of carbon materials by microwave-assisted hydrothermal method at low temperature and its adsorption properties for uranium (VI). **2019**, 321, 629-646 4
- 382 The electrochemical crystallization of the copper (II) oxide on multi-walled carbon nanotubes. **2019**, 1172, 012050 1
- 381 Carbon Dots, Unconventional Preparation Strategies, and Applications Beyond Photoluminescence. **2019**, 15, e1901803 71
- 380 Facile Preparation of Al<sub>2</sub>O<sub>3</sub> Hollow Microspheres Via a Urea-mediated Precipitation Process. **2019**, 34, 579-586 3
- 379 Versatile metal graphitic nanocapsules for SERS bioanalysis. **2019**, 30, 1581-1592 14
- 378 One-Step Preparation of Zwitterionic-Rich Hydrophilic Hydrothermal Carbonaceous Materials for Enrichment of N-Glycopeptides. **2019**, 7, 11511-11520 17
- 377 Synthesis and functionalization of carbon nanotubes and nanospheres as a support for the immobilization of an enzyme extract from the mushroom *Trametes versicolor*. **2019**, 54, 11671-11681 10

376	Porous Ni catalyst synthesized by pyrolyzing g-C <sub>3</sub> N <sub>4</sub> embedded in carbon as highly efficient oxygen reduction electrocatalysts for primary Zn-air battery. <b>2019</b> , 150, 475-484	36
375	From Polymer to Magnetic Porous Carbon Spheres: Combined Microscopy, Spectroscopy, and Porosity Studies. <b>2019</b> , 6,	10
374	Reconstructing the Surface Structure of Li-Rich Cathodes for High-Energy Lithium-Ion Batteries. <b>2019</b> , 11, 19950-19958	28
373	Hydrothermal carbonization of sewage sludge: A critical analysis of process severity, hydrochar properties and environmental implications. <b>2019</b> , 93, 1-13	60
372	Design and Synthesis of Novel Cage like CuFe <sub>2</sub> O <sub>4</sub> Hollow Nanostructure as an Efficient Catalyst for Synthesis of 4,4'-(aryl methylene)bis(3-methyl-1H-pyrazol-5-ol)s. <b>2019</b> , 149, 2864-2872	23
371	Chitosan-based layered carbon materials prepared via ionic-liquid-assisted hydrothermal carbonization and their performance study. <b>2019</b> , 101, 231-243	16
370	Color-tunable carbon dots via control the degree of self-assembly in solution at different concentration. <b>2019</b> , 212, 69-75	8
369	A green, rapid, scalable and versatile hydrothermal strategy to fabricate monodisperse carbon spheres with tunable micrometer size and hierarchical porosity. <b>2019</b> , 372, 1164-1173	20
368	Novel magnetically separable of FeO/AgPO@WO nanocomposites for enhanced photocatalytic and antibacterial activity against Staphylococcus aureus (S. aureus). <b>2019</b> , 17, 58	20
367	Reaction parameters effect on hydrothermal liquefaction of castor (Ricinus Communis) residue for energy and valuable hydrocarbons recovery. <b>2019</b> , 141, 1026-1041	21
366	Effect of hydrothermal reduction temperature on the optical nonlinearities of porphyrin covalently functionalized graphene oxide. <b>2019</b> , 167, 189-194	13
365	Recent advances in the synthesis of spherical and nanoMOF-derived multifunctional porous carbon for nanomedicine applications. <b>2019</b> , 391, 69-89	40
364	Facile synthesis of poly (benzylamine) brushes stabilized silver nanoparticle catalyst for the abatement of environmental pollutant methylene blue. <b>2019</b> , 229, 421-430	8
363	Synthesis of Catalyst Support From Waste Biomass for Impregnation of Catalysts in Biofuel Production. <b>2019</b> , 199-220	
362	Crab shell-derived honeycomb-like graphitized hierarchically porous carbons for satisfactory rate performance of all-solid-state supercapacitors. <b>2019</b> , 3, 1201-1214	28
361	Magnetic solid phase extraction with carbon-coated FeO nanoparticles coupled to HPLC-UV for the simultaneous determination of losartan, carvedilol, and amlodipine besylate in plasma samples. <b>2019</b> , 1114-1115, 24-30	30
360	Direct Laser Writing-Assisted Method for Template-Free Fabrication of Biomass-Based Porous Carbon Platelets with Uniform Size and Arbitrarily Designed Shapes. <b>2019</b> , 4, 5870-5878	5
359	Borax-assisted hydrothermal carbonization to fabricate monodisperse carbon spheres with high thermostability. <b>2019</b> , 6, 065615	6

358	Advantaging Synergy Photocatalysis with Graphene-Related Carbon as a Counterpart Player of Titania. <b>2019</b> , 19, 1393-1406	7
357	The rational design of sandwich-like MnO-Pd-CeO hollow spheres with enhanced activity and stability for CO oxidation. <b>2019</b> , 11, 6776-6783	10
356	Hollow Carbon Spheres and Their Hybrid Nanomaterials in Electrochemical Energy Storage. <b>2019</b> , 9, 1803900	151
355	Facile photo-driven strategy for the regeneration of a hierarchical C@MnO <sub>2</sub> sponge for the removal of indoor toluene. <b>2019</b> , 481, 404-413	6
354	High Capacity Nano-Sized Carbon Spheres for Lithium-Ion Battery Anode Materials. <b>2019</b> , 11,	2
353	Synthesis of carbon spheres by atmospheric pressure chemical vapor deposition from a serial of aromatic hydrocarbon precursors. <b>2019</b> , 112, 78-85	14
352	Progress in microwave-assisted synthesis of quantum dots (graphene/carbon/semiconducting) for bioapplications: a review. <b>2019</b> , 12, 282-314	85
351	Facile preparation of porous carbon nanospheres via hydrothermal method using chlorinated polypropylene as precursor. <b>2019</b> , 6, 0950b8	
350	Tungsten-Nitride-Coated Carbon Nanospheres as a Sulfur Host for High-Performance Lithium-Sulfur Batteries. <b>2019</b> , 6, 2074-2079	11
349	Synthesis of carbon nanospheres and piezoresistive study of carbon nanospheres-PEDOT:PSS nanocomposite flexible thin film for strain sensing applications. <b>2019</b> , 6, 076408	5
348	Green chemical engineering in China. <b>2019</b> , 35, 995-1077	1
347	Ni-encapsulated graphene chainmail catalyst for ethanol steam reforming. <b>2019</b> , 44, 6560-6572	15
346	Triggering highly stable catalytic activity of metallic titanium for hydrogen storage in NaAlH <sub>4</sub> by preparing ultrafine nanoparticles. <b>2019</b> , 7, 4651-4659	24
345	Phytosynthesis of nearly monodisperse CuO nanospheres using <i>Phyllanthus reticulatus</i> / <i>Conyza bonariensis</i> and its antioxidant/antibacterial assays. <b>2019</b> , 99, 783-793	77
344	Tuning interaction between cobalt catalysts and nitrogen dopants in carbon nanospheres to promote Fischer-Tropsch synthesis. <b>2019</b> , 248, 73-83	38
343	Size-Dependent Charge Storage Behavior of Mesoporous Hollow Carbon Spheres for High-Performance LiBe Batteries. <b>2019</b> , 123, 5881-5889	5
342	Achieving Ultrahigh Capacity with Self-Assembled Ni(OH) Nanosheet-Decorated Hierarchical Flower-like MnCoO Nanoneedles as Advanced Electrodes of Battery-Supercapacitor Hybrid Devices. <b>2019</b> , 11, 9984-9993	57
341	Covalent hyperbranched porous carbon nanospheres as a polymeric stationary phase for ion chromatography. <b>2019</b> , 186, 139	3



340	Progress in Preparation of Cr <sub>2</sub> O <sub>3</sub> Hollow Micro/Nano-Sphere. <b>2019</b> , 612, 022017	0
339	Effect of urea and glucose on the surface morphology and properties of CoFe <sub>2</sub> O <sub>4</sub> nanomaterials. <b>2019</b> , 6, 1250j5	
338	Copper-free click functionalization of glucose-derived carbon spheres for tumor targeting. <b>2019</b> , 4, 2881-2887	1
337	Facile Fabrication of C-TiO Nanocomposites with Enhanced Photocatalytic Activity for Degradation of Tetracycline. <b>2019</b> , 4, 21063-21071	16
336	A rapid competitive ELISA assay of Okadaic acid level based on epoxy-functionalized magnetic beads. <b>2019</b> , 30, 1286-1302	8
335	Preparation and tribological properties of core-shell Fe <sub>3</sub> O <sub>4</sub> @C microspheres. <b>2019</b> , 129, 427-435	51
334	The dispersion of Au nanorods decorated on graphene oxide nanosheets for solar steam generation. <b>2019</b> , 19, e00090	15
333	Novel Approach for the Decoration of Magnetic Carbon Nanospheres with Platinum Nanoparticles and Their Enhanced Peroxidase Activity for the Colorimetric Detection of H <sub>2</sub> O <sub>2</sub> . <b>2019</b> , 35, 163-170	1
332	Biomass derived hierarchical porous carbon materials as oxygen reduction reaction electrocatalysts in fuel cells. <b>2019</b> , 102, 1-71	74
331	3D carbon nanosphere and gold nanoparticle-based voltammetric cytosensor for cell line A549 and for early diagnosis of non-small cell lung cancer cells. <b>2018</b> , 186, 39	18
330	A facile synthesis of Ag@PdAg core-shell architecture for efficient purification of ethene feedstock. <b>2019</b> , 369, 440-449	14
329	Clean production of 5-hydroxymethylfurfural from cellulose using a hydrothermal/biomass-based carbon catalyst. <b>2019</b> , 213, 1096-1102	35
328	Hollow carbon spheres/graphene hybrid aerogels as high-performance adsorbents for organic pollution. <b>2019</b> , 213, 524-532	58
327	Microporous Humins Prepared from Sugars and Bio-Based Polymers in Concentrated Sulfuric Acid. <b>2019</b> , 7, 1018-1027	11
326	Facile one-pot synthesized hydrothermal carbon from cyclodextrin: A stationary phase for hydrophilic interaction liquid chromatography. <b>2019</b> , 1585, 144-151	6
325	One-step hydrothermal synthesis of Fe <sub>2</sub> O <sub>3</sub> @TiO <sub>2</sub> microspheres with high lithium storage performance. <b>2019</b> , 6, 035503	2
324	Facile synthesis of high-surface vanadium nitride/vanadium sesquioxide/amorphous carbon composite with porous structures as electrode materials for high performance symmetric supercapacitors. <b>2019</b> , 471, 842-851	24
323	Bifunctional phosphorization synthesis of mesoporous networked Ni-Co-P/phosphorus doped carbon for ultra-stable asymmetric supercapacitors. <b>2019</b> , 299, 346-356	38

322	Hydrothermal Synthesis of Cellulose-Derived Carbon Nanospheres from Corn Straw as Anode Materials for Lithium ion Batteries. <b>2019</b> , 9,	24
321	Accurate Control of Cage-Like CaO Hollow Microspheres for Enhanced CO Capture in Calcium Looping via a Template-Assisted Synthesis Approach. <b>2019</b> , 53, 2249-2259	75
320	Physical confinement and chemical adsorption of porous C/CNT micro/nano-spheres for CoS and Co9S8 as advanced lithium batteries anodes. <b>2019</b> , 299, 489-499	17
319	Molten alkaline synthesis of highly porous carbon from calcium carbide. <b>2019</b> , 278, 397-402	3
318	One pot facile synthesis of carbonaceous gel via thiol-epoxy click reaction as potential electrode material for supercapacitor. <b>2019</b> , 248, 81-87	5
317	Poplar catkin-derived self-templated synthesis of N-doped hierarchical porous carbon microtubes for effective CO2 capture. <b>2019</b> , 358, 1507-1518	62
316	Highly porous carbon nanofoams synthesized from gas-phase plasma for symmetric supercapacitors. <b>2019</b> , 360, 1310-1319	23
315	Hollow nanoshell of layered double oxides for removal of 2,4-dichlorophenol from aqueous solution: Synthesis, characterization, and adsorption performance study. <b>2019</b> , 561, 244-253	18
314	Improved ELISA for tumor marker detection using electro-readout-mode based on label triggered degradation of methylene blue. <b>2019</b> , 126, 800-805	19
313	Synthesis and characterization of carbon microspheres from rubber wood by hydrothermal carbonization. <b>2019</b> , 94, 1374-1383	11
312	Design of Au@WO3 core-shell structured nanospheres for ppb-level NO2 sensing. <b>2019</b> , 282, 917-926	110
311	Fuel waste to fluorescent carbon dots and its multifarious applications. <b>2019</b> , 282, 972-983	20
310	Selective hydrogenation of alkenes using ZIF-67 shell membrane deposited on platinum/alumina core catalyst. <b>2019</b> , 276, 98-106	2
309	Hydrothermal synthesis of TiO2/carbon composites and their application for removal of organic pollutants. <b>2019</b> , 12, 4388-4397	30
308	Char and tar formation during hydrothermal treatment of sewage sludge in subcritical and supercritical water: Effect of organic matter composition and experiments with model compounds. <b>2020</b> , 242, 118586	18
307	A Comprehensive Review on Hydrothermal Carbonization of Biomass and its Applications. <b>2020</b> , 3, 1-19	52
306	Synthesis of Single-Component Metal Oxides with Controllable Multi-Shelled Structure and their Morphology-Related Applications. <b>2020</b> , 20, 102-119	43
305	Novel Synthesis Without Separation and Purification Processes of Carbon Dots and Silver/Carbon Hybrid Nanoparticles. <b>2020</b> , 30, 1352-1359	3

304	Enhanced-absorption template method for preparation of double-shell NiO hollow nanospheres with controllable particle size for nanothermite application. <b>2020</b> , 379, 122330	16
303	Synthesis of vanadium oxide nanorods coated with carbon nanoshell for a high-performance supercapacitor. <b>2020</b> , 26, 961-970	16
302	Nitrogen-Doped Carbon Nanomaterials: Synthesis, Characteristics and Applications. <b>2020</b> , 15, 2282-2293	38
301	Engineering Carbon Distribution in Silicon-Based Anodes at Multiple Scales. <b>2020</b> , 26, 1488-1496	9
300	Recent Advances in Multifunctional Graphitic Nanocapsules for Raman Detection, Imaging, and Therapy. <b>2020</b> , 4, 1900440	10
299	KOH-activated hydrochar with engineered porosity as sustainable adsorbent for volatile organic compounds. <b>2020</b> , 588, 124372	19
298	Selenium-rich nickel cobalt bimetallic selenides with core-shell architecture enable superior hybrid energy storage devices. <b>2020</b> , 12, 4040-4050	29
297	A C@TiO <sub>2</sub> yolk-shell heterostructure for synchronous photothermal-photocatalytic degradation of organic pollutants. <b>2020</b> , 8, 1025-1040	38
296	Insights into the difference in metal-free activation of peroxymonosulfate and peroxydisulfate. <b>2020</b> , 394, 123936	22
295	An ionic liquid-present hydrothermal method for preparing hawthorn sherry ball shaped palladium (Pd)-based composite catalysts for ethanol oxidation reaction (EOR). <b>2020</b> , 45, 1930-1939	15
294	In-situ generate spinel phase on a glucose-derived carbon-coated lithium-rich layered oxide cathode materials and its improved electrochemical performance. <b>2020</b> , 26, 2177-2186	0
293	Method To Synthesize Micronized Spherical Carbon Particles from Lignin. <b>2020</b> , 59, 9-17	4
292	Achieving high volumetric EDLC carbons via hydrothermal carbonization and cyclic activation. <b>2020</b> , 2, 025005	1
291	A simple approach to synthesis uniform 3D hollow yttrium oxide spheres using a hydrothermal scheme. <b>2020</b> , 242, 122530	3
290	Self-organized bowl-like hollow carbon submicrospheres with hierarchical mesopore-rich structure as superior electrode materials for supercapacitors. <b>2020</b> , 509, 144841	6
289	Carboxyl-rich carbon nanocomposite based on natural diatomite as adsorbent for efficient removal of Cr (VI). <b>2020</b> , 9, 948-959	10
288	Black yet green: Sulfonic acid functionalized carbon as an efficient catalyst for highly selective isomerization of $\alpha$ -pinene oxide to trans-carveol. <b>2020</b> , 268, 118456	22
287	Nanohybrid Cu@C: synthesis, characterization and application in enhancement of lubricity. <b>2020</b> , 27, 777-794	9

286	Chitosan as a sustainable precursor for nitrogen-containing carbon nanomaterials: synthesis and uses. <b>2020</b> , 10, 100053	17
285	Sustainable route for the synthesis of flower-like Ni@N-doped carbon nanosheets from bagasse and its catalytic activity towards reductive amination of nitroarenes with bio-derived aldehydes. <b>2020</b> , 44, 18714-18723	11
284	Urchin-like double-shelled PdPdO/ZnO hollow sphere as an efficient catalyst for the Suzuki-Miyaura reaction. <b>2020</b> , 18, 100353	9
283	New Class of Efficient T Magnetic Resonance Imaging Contrast Agent: Carbon-Coated Paramagnetic Dysprosium Oxide Nanoparticles. <b>2020</b> , 13,	3
282	Catalytic hairpin assembly-triggered DNA walker for electrochemical sensing of tumor exosomes sensitized with Ag@C core-shell nanocomposites. <b>2020</b> , 1135, 55-63	9
281	The catalytic activity of KMoCo carbon spheres for higher alcohols synthesis from syngas. <b>2020</b> , 605, 117803	1
280	FeN-doped carbon nanoparticles from coal tar soot and its novel application as a high performance air-cathode catalyst for microbial fuel cells. <b>2020</b> , 363, 137177	7
279	Synergistic effects of nanocarbon spheres sheathed on a binderless CoMoO electrode for high-performance asymmetric supercapacitor. <b>2020</b> , 49, 14506-14519	10
278	A YolkShell-Structured FePO4 Cathode for High-Rate and Long-Cycling Sodium-Ion Batteries. <b>2020</b> , 132, 17657-17663	4
277	Hydrothermal carbon-supported Ni catalysts for selective hydrogenation of 5-hydroxymethylfurfural toward tunable products. <b>2020</b> , 55, 14179-14196	9
276	Raspberry-like hollow SnO2-based nanostructures for sensing VOCs and ammonia. <b>2020</b> , 31, 14165-14173	2
275	Enhancement of photocatalytic hydrogen evolution from dye-sensitized amide-functionalized carbon nanospheres by superior adsorption performance. <b>2020</b> , 45, 30375-30386	5
274	Acetone-derived luminescent polymer dots: a facile and low-cost synthesis leads to remarkable photophysical properties.. <b>2020</b> , 10, 38437-38445	1
273	Conversion of Biomasses and Copper into Catalysts for Photocatalytic CO Reduction. <b>2020</b> , 12, 51366-51373	14
272	Insight into Cyclodextrin polymer microsphere as a potential filtration reducer in water-based drilling fluids for high temperature application. <b>2020</b> , 249, 116833	9
271	Core-shell nanostructures: perspectives towards drug delivery applications. <b>2020</b> ,	61
270	Highly sensitive fluorescence sensor for mercury(II) based on boron- and nitrogen-co-doped graphene quantum dots. <b>2020</b> , 566, 357-368	32
269	Superhydrophilic carbonaceous-silver nanofibrous membrane for complex oil/water separation and removal of heavy metal ions, organic dyes and bacteria. <b>2020</b> , 614, 118491	36

268	Hydrothermal synthesis of carbon microspheres from sucrose with citric acid as a catalyst: physicochemical and structural properties. <b>2020</b> , 14, 1042-1050	5
267	Stober synthesis of salen-formaldehyde resin polymer- and carbon spheres with high nitrogen content and application of the corresponding Mn-containing carbon spheres as efficient electrocatalysts for the oxygen reduction reaction.. <b>2020</b> , 10, 27575-27584	3
266	Hydrothermal synthesis and applications of advanced carbonaceous materials from biomass: a review. <b>2020</b> , 3, 267-284	34
265	Prevention of Hepatic Ischemia-Reperfusion Injury by Carbohydrate-Derived Nanoantioxidants. <b>2020</b> , 20, 6510-6519	8
264	In-situ growth of wafer-like Ti <sub>3</sub> C <sub>2</sub> /Carbon nanoparticle hybrids with excellent tunable electromagnetic absorption performance. <b>2020</b> , 202, 108408	15
263	TiO <sub>2</sub> Nanocrystal-Framed Li <sub>2</sub> TiSiO <sub>5</sub> Platelets for Low-Voltage Lithium Battery Anode. <b>2020</b> , 30, 2001909	11
262	Facile Synthesis of Water-soluble Carbon Spheres for the Sensitive and Selective Determination of Fe, Cr, and Hg Ions. <b>2020</b> , 36, 1171-1176	2
261	Wood-Derived Carbon Materials and Light-Emitting Materials. <b>2021</b> , 33, e2000596	30
260	Effect of glucose concentrations on wear resistance of Al/APC composites prepared by hydrothermal carbonized deposition on chips. <b>2020</b> , 53, 82-90	9
259	Utilization of Hydroxyl-Enriched Glucose-Based Carbonaceous Sphere (HEGCS) as a Catalytic Accelerator to Enhance the Hydrolysis of Cellulose to Sugar. <b>2020</b> , 12, 25693-25699	2
258	High performing photocatalytic ZnO hollow sub-micro-spheres fabricated by microwave induced self-assembly approach. <b>2020</b> , 46, 19815-19821	11
257	Core-shell structured CaO aggregate prepared by granulating with Al chelating compound and its hydration resistance. <b>2020</b> , 46, 10788-10796	4
256	Numerical study on extinction performance of Ag nanoparticles@ SiO <sub>2</sub> ellipsoid. <b>2020</b> , 9, 6723-6732	3
255	The preparation of a core-shell stationary phase by the in situ polymerization of a hydrophilic polymer on the surface of silica and its chromatographic performance. <b>2020</b> , 44, 11704-11709	2
254	Fe-Al based nanocomposite reinforced hydrothermal carbon: Efficient and robust absorbent for anionic dyes. <b>2020</b> , 259, 127421	10
253	Activated carbon as catalyst support: precursors, preparation, modification and characterization. <b>2020</b> , 16, 1188-1202	27
252	Liquid Metal Composites. <b>2020</b> , 2, 1446-1480	122
251	A highly efficient biomass based electrocatalyst for cathodic performance of lithium-oxygen batteries: Yeast derived hydrothermal carbon. <b>2020</b> , 349, 136411	9

250	From cellulose to 1,2,4-benzenetriol via catalytic degradation over a wood-based activated carbon catalyst. <b>2020</b> , 10, 3423-3432		4
249	Bio-Based Carbon Materials from Potato Waste as Electrode Materials in Supercapacitors. <b>2020</b> , 13, 2406		7
248	Gas Sensors Based on Chemi-Resistive Hybrid Functional Nanomaterials. <b>2020</b> , 12, 71		131
247	Effect of Functionalized Carbon Microspheres Combined with Ammonium Polyphosphate on Fire Safety Performance of Thermoplastic Polyurethane. <b>2020</b> , 5, 6051-6061		5
246	Catalytic hydrothermal liquefaction of castor residue to bio-oil: Effect of alkali catalysts and optimization study. <b>2020</b> , 149, 112359		22
245	A Yolk-Shell-Structured FePO Cathode for High-Rate and Long-Cycling Sodium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 17504-17510	16.4	160
244	Recent advances in hydrothermal carbonisation: from tailored carbon materials and biochemicals to applications and bioenergy. <b>2020</b> , 22, 4747-4800		58
243	Microwave absorption performance of ZnAl <sub>2</sub> O <sub>4</sub> . <b>2020</b> , 402, 126089		42
242	Hydrothermal carbonization of organic wastes to carbonaceous solid fuel: A review of mechanisms and process parameters. <b>2020</b> , 279, 118472		54
241	Tailoring Polymer Colloids Derived Porous Carbon Spheres Based on Specific Chemical Reactions. <b>2020</b> , 32, e2002475		31
240	Design and synthesis of CuO@SiO <sub>2</sub> multi-yolk@shell and its application as a new catalyst for CO <sub>2</sub> fixation reaction under solventless condition. <b>2020</b> , 89, 458-469		17
239	Synthesis of spherical MTX/LDHs nano hybrids by the calcination-reconstruction method. <b>2020</b> , 1-8		1
238	Bionanotechnology: Silver Nanoparticles Supported on Bovine Bone Powder Used as Bactericide. <b>2020</b> , 13,		2
237	Carbon Sphere Template Derived Hollow Nanostructure for Photocatalysis and Gas Sensing. <b>2020</b> , 10,		5
236	Enhanced peroxymonosulfate activation by supported microporous carbon for degradation of tetracycline via non-radical mechanism. <b>2020</b> , 240, 116617		26
235	Modified carbon spheres as universal materials for adsorption of cationic harmful substances (paraquat and dyes) in water. <b>2020</b> , 297, 110040		16
234	Phosphorus-modified b-axis oriented hierarchical ZSM-5 zeolites for enhancing catalytic performance in a methanol to propylene reaction. <b>2020</b> , 594, 117464		18
233	Introduction: carbon and carbon nanomaterials. <b>2020</b> , 23-45		0

232	Hydrothermal carbonization in the synthesis of sustainable porous carbon materials for water treatment. <b>2020</b> , 445-503	3
231	Sustainable Biomass Glucose-Derived Porous Carbon Spheres with High Nitrogen Doping: As a Promising Adsorbent for CO/CH <sub>4</sub> /N <sub>2</sub> Adsorptive Separation. <b>2020</b> , 10,	13
230	Tetraalkylammonium Functionalized Hydrochars as Efficient Supports for Palladium Nanocatalysts. <b>2020</b> , 12, 2295-2303	3
229	Preparation of micron Si@C anodes for lithium ion battery by recycling the lamellar submicron silicon in the kerf slurry waste from photovoltaic industry. <b>2020</b> , 107, 107898	10
228	Hollow La <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> nanospheres as an electrocatalyst for the oxygen reduction reaction in alkaline media. <b>2020</b> , 45, 12514-12524	5
227	A green approach to the fabrication of a TiO <sub>2</sub> /NiAl-LDH core-shell hybrid photocatalyst for efficient and selective solar-powered reduction of CO <sub>2</sub> into value-added fuels. <b>2020</b> , 8, 8020-8032	31
226	TiO <sub>2</sub> Passivation Layer on ZnO Hollow Microspheres for Quantum Dots Sensitized Solar Cells with Improved Light Harvesting and Electron Collection. <b>2020</b> , 10,	10
225	Application of spherical polyelectrolyte brushes microparticle system in flocculation and retention. <b>2020</b> , 12,	2
224	Distinctive Bimetallic Oxides for Enhanced Catalytic Toluene Combustion: Insights into the Tunable Fabrication of Mn@Ce Hollow Structure. <b>2020</b> , 12, 2872-2879	9
223	One-step synthesis and characterization of carbon nanospheres via natural gas condensate pyrolysis. <b>2020</b> , 28, 716-723	3
222	Structure-related luminescent properties induced by doping in Sm-doped SnO <sub>2</sub> hollow spheres. <b>2020</b> , 46, 17025-17033	4
221	Size controllable synthesis and photocatalytic performance of mesoporous TiO <sub>2</sub> hollow spheres. <b>2020</b> , 48, 105-113	14
220	Promotion effect of urchin-like MnO <sub>2</sub> @PrO <sub>2</sub> hollow core-shell structure catalysts for the low-temperature selective catalytic reduction of NO with NH <sub>3</sub> . <b>2020</b> , 10, 13855-13865	2
219	Porous Carbon Materials Obtained by the Hydrothermal Carbonization of Orange Juice. <b>2020</b> , 10,	10
218	Bimetallic Core-Shell Nanoparticles of Gold and Silver via Bioinspired Polydopamine Layer as Surface-Enhanced Raman Spectroscopy (SERS) Platform. <b>2020</b> , 10,	14
217	Facile fabrication of hollow structured Cu-Ce binary oxides and their catalytic properties for toluene combustion. <b>2021</b> , 376, 239-246	7
216	Multi-role graphitic carbon nitride-derived highly porous iron/nitrogen co-doped carbon nanosheets for highly efficient oxygen reduction catalyst. <b>2021</b> , 582, 1257-1265	9
215	Activation strategies for biochar to use as an efficient catalyst in various applications. <b>2021</b> , 285, 119205	35

214	Electromagnetic and optical characteristics of wrinkled Ni nanostructure coated on carbon microspheres. <b>2021</b> , 405, 126985	18
213	Fabrication of expanded carbon microspheres/ZnAl <sub>2</sub> O <sub>4</sub> nanocomposite and investigation of its microwave, magnetic, and optical performance. <b>2021</b> , 854, 157273	24
212	Mass production of highly fluorescent full color carbon dots from the petroleum coke. <b>2021</b> , 32, 1532-1536	5
211	Reduced graphene oxide/Fe <sub>2</sub> O <sub>3</sub> hollow microspheres coated sponges for flexible electromagnetic interference shielding composites. <b>2021</b> , 23, 100572	20
210	nHighly N/O co-doped carbon nanospheres for symmetric supercapacitors application with high specific energy. <b>2021</b> , 33, 102152	7
209	A novel cost-effective PAN/CNS nanofibrous membranes with rich carboxyl groups for high efficient adsorption of Lanthanum(III) ions. <b>2021</b> , 259, 118216	9
208	Recent progress in the development of biomass-derived nitrogen-doped porous carbon. <b>2021</b> , 9, 3703-3728	69
207	Mo <sub>2</sub> C nanospheres anchored on nickel foam as self-supported electrode for high-performance hydrogen production. <b>2021</b> , 294, 121825	2
206	Unexpected facilitation of the pyrolysis products of potassium ferrocyanide to the electrocatalytic activity of a PdO based palladium iron composite catalyst towards ethanol oxidation reaction (EOR). <b>2021</b> , 46, 633-644	0
205	Effective electro-Fenton-like process for phenol degradation on cerium oxide hollow spheres encapsulated in porous carbon cathode derived from skimmed cotton. <b>2021</b> , 270, 128661	5
204	Synthesis of Fe <sub>2</sub> O <sub>3</sub> double-layer hollow spheres with carbon coating using carbonaceous sphere templates for lithium ion battery anodes. <b>2021</b> , 25, 267-278	1
203	Rapid and efficient removal of diclofenac sodium from aqueous solution via ternary core-shell CS@PANI@LDH composite: Experimental and adsorption mechanism study. <b>2021</b> , 402, 123815	50
202	Heteroatoms Doped Porous Carbon Nanostructures Recovered from Agriculture Waste for Energy Conversion and Storage. <b>2021</b> , 465-512	
201	Structural and Catalytic Features of Metal Nanoparticles Encapsulated in a Hollow Carbon Sphere. <b>2021</b> , 367-378	
200	Fused sphere carbon monoliths with honeycomb-like porosity from cellulose nanofibers for oil and water separation.. <b>2021</b> , 11, 2202-2212	2
199	A review on biomass-derived hard carbon materials for sodium-ion batteries. <b>2021</b> , 2, 5881-5905	7
198	Facile Synthesis of Spherical TiO <sub>2</sub> Hollow Nanospheres with a Diameter of 150 nm for High-Performance Mesoporous Perovskite Solar Cells. <b>2021</b> , 14,	5
197	Preparation and application of carbon and hollow TiO <sub>2</sub> microspheres by microwave heating at a low temperature. <b>2021</b> , 21, 200-209	



196	Carbon-nitrogen conjugate-composited CuS with enhanced peroxidase-like activity for the colorimetric detection of hydrogen peroxide and glutathione. <b>2021</b> , 13, 1706-1714	0
195	Unexpected electrocatalytic activity of a micron-sized carbon sphere-graphene (MS-GR) supported palladium composite catalyst for ethanol oxidation reaction (EOR). <b>2021</b> , 259, 124035	0
194	Carbon Nanomaterials With Hollow Structures: A Mini-Review. <b>2021</b> , 9, 668336	3
193	Lignin-Based Porous Supraparticles for Carbon Capture. <b>2021</b> , 15, 6774-6786	13
192	Facile synthesis of carbon microspheres/tin ethylenediamine tetramethylene phosphonate hybrid for improving the mechanical, flame-retardant, and thermal properties of epoxy resin. <b>2021</b> , 32, 2953-2968	2
191	Rational Functionalization Towards Redox-Active TEMPO Stable Free-Radical-Hydrochar Composites. <b>2021</b> , 14, 2042-2049	1
190	Sustainable Carbon Materials toward Emerging Applications.. <b>2021</b> , 5, e2001250	12
189	Facile synthesis of NiCo <sub>2</sub> S <sub>4</sub> nanosheets on graphitized carbon microspheres for high-performance asymmetric supercapacitors. <b>2021</b> , 35, 102309	2
188	LiBr hydrate as reaction medium for preparation of carbon spheres from wood powders via hydrothermal carbonization. <b>2021</b> , 113, 108295	2
187	Hollow spherical LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> synthesized by a glucose-assisted hydrothermal method. <b>2021</b> , 289, 129417	3
186	A Z-scheme iron-based hollow microsphere with enhanced photocatalytic performance for tetracycline degradation. <b>2021</b> , 36, 1600-1613	0
185	Coating of solid substrates with carbon via hydrothermal carbonization. <b>2021</b> , 288, 129315	0
184	A novel visible-light-driven ternary magnetic photocatalyst Mn Zn <sub>1</sub> -Fe <sub>2</sub> O <sub>4</sub> /C/CdS: Fabrication, characterization and application. <b>2021</b> , 262, 124308	8
183	New insight into the effect of interface supercapacitance on the performance of titanium dioxide/carbon nanowire array for photoelectrochemical water oxidation. <b>2021</b> , 32, 3359-3359	0
182	Synthesis of a sulfated-group-riched carbonaceous catalyst and its application in the esterification of succinic acid and fructose dehydration to form HMF. <b>2021</b> , 18, 2649-2656	2
181	Single-atom Fe catalytic amplification-gold nanosol SERS/RRS aptamer as platform for the quantification of trace pollutants. <b>2021</b> , 188, 175	2
180	Carbon Aerogel Based Waterborne Ultra-Black Coatings with High Light Absorption. <b>2021</b> , 11, 563	2
179	Hierarchical CeO@N-C Ultrathin Nanosheets for Efficient Selective Oxidation of Benzylic Alcohols in Water. <b>2021</b> , 60, 7732-7737	4

178	CaO/Ca(OH) <sub>2</sub> heat storage performance of hollow nanostructured CaO-based material from Ca-looping cycles for CO <sub>2</sub> capture. <b>2021</b> , 217, 106834	3
177	Hollow-grained Voronoi foam ceramics with high strength and thermal superinsulation up to 1400 °C. <b>2021</b> , 46, 35-43	6
176	Biomass-Derived Carbon Materials: Controllable Preparation and Versatile Applications. <b>2021</b> , 17, e2008079	21
175	Hollow Graphitic Carbon Nanospheres Synthesized by Rapid Pyrolytic Carbonization. 68, 1-16	
174	Growth of cobalt hexacyanoferrate particles through electrodeposition and chemical etching of cobalt precursors on reticulated vitreous carbon foams for Na-ion electrochemical storage. <b>2021</b> , 116, 106603	3
173	Interactions Between Carbohydrate and Protein During Hydrothermal Liquefaction of Food Waste. <b>2021</b> , 38, 547-554	
172	Formulation of bionanomaterials: A review of particle design towards oil recovery applications. <b>2021</b> , 98, 82-102	7
171	Synthesis of carbon-coated cobalt ferrite core-shell structure composite: A method for enhancing electromagnetic wave absorption properties by adjusting impedance matching. <b>2021</b> ,	0
170	Potential application of carbon nanospheres as adsorbent for the simultaneous desulfurization and demetallization of transportations fuels. 1-9	2
169	Sustainable design and novel synthesis of highly recyclable magnetic carbon containing aromatic sulfonic acid: Fe <sub>3</sub> O <sub>4</sub> @C/PhSO <sub>3</sub> H as green solid acid promoted regioselective synthesis of tetrazoloquinazolines. <b>2021</b> , 35, e6346	2
168	Dye desorption and photocatalytic degradation of methylene blue by Ag@C nanostructure. 1-5	0
167	Insights into the Formation Pathway of Templated Ordered Nanostructured Carbonaceous Particles under Hydrothermal Conditions. <b>2021</b> , 37, 10866-10874	1
166	Oxygen vacancy on hollow sphere CuFe <sub>2</sub> O <sub>4</sub> as an efficient Fenton-like catalysis for organic pollutant degradation over a wide pH range. <b>2021</b> , 291, 120069	28
165	Preparation of self-healing hydrogel toward improving electromagnetic interference shielding and energy efficiency. <b>2021</b> , 11, 16161	11
164	One-step Hydrothermal Synthesis of N-doped Fluorescent Carbon Dots from Fermented Rice with Highly Selective Characteristics for Label-free Detection of Fe Ions and as Fluorescent Ink. <b>2021</b> , 37, 1227-1234 <sup>1</sup>	
163	Functional biochar for efficient residue treatment of sulfonylurea herbicides by weak molecular interaction. 1	2
162	Fabrication of nitrogen doped and hierarchically porous carbon flowers for CO <sub>2</sub> adsorption. <b>2021</b> , 51, 101617	5
161	One-pot synthesis of glucose-derived carbonaceous material with high hydrophilicity and adsorption capacity as bilirubin adsorbent. <b>2021</b> , 56, 18006-18018	0

160	Sustainable Hydrothermal and Solvothermal Synthesis of Advanced Carbon Materials in Multidimensional Applications: A Review. <b>2021</b> , 14,	5
159	Transferring waste of biomass and heavy metal into photocatalysts for hydrogen peroxide activation. <b>2021</b> , 420, 129867	1
158	Covalent interfacial coupling of vanadium nitride with nitrogen-rich carbon textile boosting its lithium storage performance as binder-free anode. <b>2021</b> , 14, 4336	2
157	Pt-Co nanoparticles supported on hollow multi-shelled CeO as a catalyst for highly efficient toluene oxidation: Morphology control and the role of bimetal synergism. <b>2022</b> , 608, 48-59	2
156	Construction of cyclodextrin functionalized nitrogen-doped graphene quantum dot electrochemical sensing interface for recognition of tryptophan isomers. <b>2021</b> , 273, 125086	0
155	Antibacterial chitosan composite films with food-inspired carbon spheres immobilized AgNPs. <b>2021</b> , 363, 130342	6
154	Macroscopic rods from assembled colloidal particles of hydrothermally carbonized glucose and their use as templates for silicon carbide and tricopper silicide. <b>2021</b> , 602, 480-489	2
153	Microstructure, mechanical and tribological properties of (APC+B4C)/Al hybrid composites prepared by hydrothermal carbonized deposition on chips. <b>2021</b> , 888, 161578	4
152	The sustainable, one-pot and high-yield synthesis of ultrafine carbonaceous nanospheres with high anionic separation efficiency. <b>2022</b> , 571, 151249	0
151	Unexpected Link between the Template Purification Solvent and the Structure of Titanium Dioxide Hollow Spheres. <b>2021</b> , 11, 112	1
150	Highly porous Fe/N/C catalyst for oxygen reduction: the importance of pores. <b>2021</b> , 57, 6935-6938	8
149	Electrocatalytic CO <sub>2</sub> Reduction Activity Over Transition Metal Anchored on Nitrogen-Doped Carbon: A Density Functional Theory Investigation. <b>2021</b> , 151, 2547-2559	1
148	Heterojunction-based photocatalyst. <b>2021</b> , 85-130	1
147	Tunable and ordered porous carbons with folding-like nanoscale framework via interdigitation and twisting. <b>2021</b> , 2, 4029-4040	1
146	Hollow, mesoporous, eutectic Zn <sub>1-x</sub> Mg <sub>x</sub> O nano-spheres as solid acid-base catalysts for the highly regio-selective O-methylation of 1, 2-diphenols.	1
145	Graphene Encapsulated Gold Nanoparticles and Their Characterization. 1-7	2
144	Facile synthesis of graphene sheets intercalated by carbon spheres for high-performance supercapacitor electrodes. <b>2020</b> , 167, 11-18	8
143	Recent advances in the fabrication and application of biopolymer-based micro- and nanostructures: A comprehensive review. <b>2020</b> , 397, 125409	36

142	Characterization of Solid Fuel Chars recovered from Microwave Hydrothermal Carbonization of Human Biowaste. <b>2017</b> , 134, 74-89	43
141	Hollow N-doped bimetal carbon spheres with superior ORR catalytic performance for microbial fuel cells. <b>2020</b> , 575, 177-182	16
140	Novel Integration of Nickel Phthalocyanine/Nickel Oxide-Based Photocathodes and Copper-Encapsulated Carbon-Dot-Cosensitized Photoanodes in Tandem for a Highly Efficient Solar Cell. <b>2020</b> , 8, 8593-8603	6
139	CHAPTER 5:Hydrothermal Carbonisation (HTC): History, State-of-the-Art and Chemistry. <b>2015</b> , 129-155	5
138	CHAPTER 7:Hydrothermal Carbon Materials for Heterogeneous Catalysis. <b>2015</b> , 191-224	1
137	Production of carbonaceous microspheres from wood sawdust by a novel hydrothermal carbonization and extraction method. <b>2017</b> , 7, 42123-42128	6
136	Photocatalytic performance of ZnO carbon composites for the degradation of methyl orange dye. <b>2020</b> , 7, 015512	1
135	Tuning the Photocatalytic Activity and Optical Properties of Mesoporous TiO <sub>2</sub> Spheres by a Carbon Scaffold. <b>2013</b> , 2013, 1-9	6
134	Lignin-Based Carbon NanomaterialsThe Future Scope. <b>2019</b> , 8, 20180153	2
133	Carbon Spheres for the Removal of Heavy Metal Ions From Refinery Effluents. <b>2014</b> , 1, 35-45	1
132	Study of Preparation, Growth Mechanism and Catalytic Performance of Carbon Based Embedded Silver Nano Composite Materials. <b>2017</b> , 19, 17	2
131	Preparation and Infrared Emissivity of Glucose-based Carbon Coated ZnFeO. <b>2009</b> , 24, 1045-1048	3
130	Carbon Sphere/Activated Carbon Composite Materials Prepared by Solvothermal Method. <b>2009</b> , 24, 1132-1136	5
129	C@Ag/TiO <sub>2</sub> : A Highly Efficient and Stable Photocatalyst Active under Visible Light. <b>2013</b> , 03, 1-5	8
128	A Novel Method for the Fabrication of Monodispersed Carbon Nanospheres and Their Crosslinked Forms. <b>2014</b> , 35, 871-874	2
127	Dense (non-hollow) carbon nanospheres: synthesis and electrochemical energy applications. <b>2021</b> , 16, 100147	1
126	A dotted nanowire arrayed by 50nm sized palladium and nickel composite nanoparticles showing significant electrocatalytic activity towards ethanol oxidation reaction (EOR). <b>2021</b> , 47, 276-276	
125	Preparation and Characterization of Co/Co <sub>9</sub> S <sub>8</sub> /ZnO Core-shell Nanospheres. <b>2010</b> , 25, 265-271	

124	Hierarchically Nanostructured Electrode Materials for Lithium-Ion Batteries. <b>2011</b> , 237-266	
123	Hydrothermal Synthesis of TiO <sub>2</sub> Porous Hollow Nanospheres for Coating on the Photoelectrode of Dye-Sensitized Solar Cells. <b>2012</b> , 51, 02BP11	
122	Review of Biomass Conversion in High Pressure High Temperature Water (HHW) Including Recent Experimental Results (Isomerization and Carbonization). <b>2014</b> , 249-274	1
121	Preparation of Carbon Materials from Lignocellulosic Biomass. <b>2014</b> , 35-63	1
120	Surface Chemistry of Green Carbons. <b>2014</b> , 1-33	1
119	Solvothermal Routes. <b>2014</b> , 9-52	
118	Tribological Behavior of Micro-Carbon Sphere as Lubricant Additives in Olive Oil. <b>2018</b> , 07, 328-335	
117	Effect of light irradiation on heightened adsorption of dyes by hydrothermal carbon microspheres. <b>2021</b> , 1250, 131813	0
116	Construction of CMS@MoS <sub>2</sub> core-shell structure to enhance flame retardancy and smoke suppression performance of waterborne epoxy fireproof coatings for steel structures. <b>2021</b> , 127836	4
115	Influence of framework Al distribution in HZSM-5 channels on catalytic performance in the methanol to propylene reaction. <b>2021</b> , 118422	1
114	Self-assembled homogeneous SiOC@C/graphene with three-dimensional lamellar structure enabling improved capacity and rate performances for lithium ion storage. <b>2022</b> , 186, 273-281	5
113	Reaction kinetics for the hydrothermal carbonisation of cellulose in a two-phase pathway. <b>2022</b> , 309, 122169	0
112	Electrochemical heavy metal removal from water using PVC waste-derived N, S co-doped carbon materials.. <b>2020</b> , 10, 4064-4070	5
111	Development of a General Fabrication Strategy for Carbonaceous Noble Metal Nanocomposites with Photothermal Property. <b>2020</b> , 15, 17	
110	High-Efficiency Catalytic Transfer Hydrogenation of Biomass-Based 5-Hydroxymethylfurfural to 2,5-Bis(hydroxymethyl)furan over a Zirconium-Carbon Coordination Catalyst.	4
109	Rational design and synthesis of multi-shelled NiCo <sub>2</sub> S <sub>4</sub> hollow microspheres for high performance supercapacitors. <b>2021</b> , 44, 103407	0
108	A novel H <sub>2</sub> S cataluminescence sensor based on ZnMn <sub>2</sub> O <sub>4</sub> nanoparticles. <b>2022</b> , 172, 106990	0
107	Co@C nanorods as both magnetic stirring nanobars and magnetic recyclable nanocatalysts for microcatalytic reactions. <b>2022</b> , 304, 120925	3

106	In-situ synthesis of Cu/Cu <sub>2</sub> O/carbon spheres for the electrochemical sensing of glucose in serum. <b>2021,</b>	3
105	Electrochemical stability of Platinum nanoparticles supported on N-doped hydrothermal carbon aerogels as electrocatalysts for the oxygen reduction reaction.	1
104	Luminescent Carbon Dots for Environmental Photocatalytic. <b>2022,</b> 201-228	
103	Efficient Removal of Surface-Deposited Pseudo-Lignin and Lignin Droplets by Isothermal Phase Separation During Hydrolysis.	
102	Efficient and stable removal of phosphate from aqueous solutions by hollow microspheres of MgO/ZrO <sub>2</sub> composite oxide. <b>2022,</b> 635, 128095	0
101	Mixed-matrix membranes consisting of Pebax and novel nitrogen-doped porous carbons for CO <sub>2</sub> separation. <b>2022,</b> 644, 120182	1
100	Efficient removal of surface-deposited pseudo-lignin and lignin droplets by isothermal phase separation during hydrolysis.. <b>2021,</b> 345, 126533	0
99	Epitaxial ZnCoS Nanodendritics Grown Along 3-D Carbonaceous Scaffolds for High-Performance Hybrid Supercapacitors.	
98	Palladium Nanoparticle-Modified Carbon Spheres @ Molybdenum Disulfide Core-Shell Composite for Electrochemically Detecting Quercetin. <b>2022,</b> 10, 56	0
97	Influence of boron doping on characteristics of glucose based hydrothermal carbons. <b>2022,</b> 1-1	
96	Sustainable hydrophilic ultrasmall carbonaceous spheres modified by click reaction for high-performance polymeric ion chromatographic stationary phase.. <b>2021,</b> 1663, 462762	
95	Fe <sub>3</sub> O <sub>4</sub> -carbon spheres core-shell supported palladium nanoparticles: A robust and recyclable catalyst for suzuki coupling reaction. <b>2022,</b>	1
94	A review on hierarchical Bi <sub>2</sub> MoO <sub>6</sub> nanostructures for photocatalysis applications. <b>2022,</b> 46, 906-918	3
93	Customized Structure Design and Functional Mechanism Analysis of Carbon Spheres for Advanced Lithium-Sulfur Batteries.. <b>2022,</b> e2104469	4
92	In situ carbon coating for enhanced chemical stability of copper nanowires. <b>2022,</b> 29, 557-562	0
91	Preparation of hollow mesoporous boron nitride spheres with surface decorated by CuO: A bifunctional acid-base catalyst for the green synthesis of some heterocyclic [3,3,3] propellane derivatives in water media. <b>2022,</b> 582, 152454	1
90	Co decoration of molybdenum sulfide and carbon for improving lithium ion capacity of large monolayer MXene cathodes. <b>2022,</b> 902, 163702	0
89	Carbon and carbon paste electrodes. <b>2022,</b> 79-114	1

88	Synergistic Ferroptosis-Gemcitabine Chemotherapy of the Gemcitabine Loaded Carbonaceous Nanozymes to Enhance the Treatment and Magnetic Resonance Imaging Monitoring of Pancreatic Cancer.. <b>2022</b> ,	1
87	1D confined materials synthesized via a coating method for thermal catalysis and energy storage applications. <b>2022</b> , 10, 6330-6350	0
86	In-Situ Construction of Carbon-Doped ZnO Hollow Spheres for Highly Efficient Dimethylamine Detection.	
85	Catalytic graphitization assisted synthesis of FeC/Fe/graphitic carbon with advanced pseudocapacitance.. <b>2022</b> , 12, 7935-7940	0
84	Distinctive conductivity improvement by embedding Cu nanoparticles in the carbon shell of submicron Si@C anode materials for LIBs.	1
83	Porous carbon nano-sheets as excellent carbocatalysts for organic pollutant removal via persulfate activation: the role of the sp <sup>2</sup> /sp <sup>3</sup> carbon ratio.	
82	A Facile Approach to Construct Yolk-Shelled SnO <sub>2</sub> @NxC Electrode and its Enhanced Performance.	
81	High performance H <sub>2</sub> sensor based on rGO-wrapped SnO <sub>2</sub> @Pd porous hollow spheres. <b>2022</b> ,	1
80	Upcycling process of transforming waste coffee into spherical graphene by flash pyrolysis for sustainable supercapacitor manufacturing with virgin graphene electrodes and its comparative life cycle assessment. 1	2
79	Gradually Anchoring N and Fe, Zn Atoms on Monodispersed Carbon Nanospheres: Their Contribution to the Oxygen Reduction Reaction under Analogous Structure.	0
78	Design and fabrication of carbon spheres-supported cerium oxide heterostructured composites for enhanced photocatalytic activity. <b>2022</b> ,	0
77	Synthesis of carbon microsphere-assisted snowflake-like ZnO nanomaterials for selective detection of NO <sub>2</sub> at room temperature. <b>2022</b> ,	0
76	Epitaxial ZnCoS nanodendritics grown along 3-D carbonaceous scaffolds for high-performance hybrid supercapacitors. <b>2022</b> , 905, 164250	1
75	Advances in understanding the humins: Formation , prevention and application. <b>2022</b> , 10, 100062	0
74	Manipulating the interfacial species on carbon nanospheres supported nanoparticulate Ru to boost the electronic metal-support interaction for enhancing selective hydrogenation of levulinic acid. <b>2022</b> , 588, 152913	0
73	Degradation of Formaldehyde over MnO/CeO Hollow Spheres: Elucidating the Influence of Carbon Sphere Self-Sacrificing Templates.. <b>2021</b> , 6, 35404-35415	4
72	Self-Assembled Copper Film-Enabled Liquid Metal Core-Shell Composite.. <b>2021</b> , 13, 60660-60671	2
71	Cobalt-Carbon Nanoparticles with Silica Support for Uptake of Cationic and Anionic Dyes from Polluted Water.. <b>2021</b> , 26,	1

70	Development of carbon sphere/ceria (CS/CeO <sub>2</sub> ) heterostructured particles and their applications to functional abrasives toward photochemical mechanical polishing. <b>2022</b> , 153449	0
69	Understanding the growth mechanisms of metal-based core-shell nanostructures revealed by in situ liquid cell transmission electron microscopy. <b>2022</b> ,	2
68	Responsive Liquid Metal Droplets: From Bulk to Nano.. <b>2022</b> , 12,	1
67	Data_Sheet_1.PDF. <b>2019</b> ,	
66	Video_1.MP4. <b>2019</b> ,	
65	Silver-Carbonaceous Microsphere Precursor-Derived Nano-Coral Ag Catalyst for Electrochemical Carbon Dioxide Reduction. <b>2022</b> , 12, 479	1
64	Morphological Control of Biochar with Emerging Functionalities by Thermodynamic and Kinetic Approaches.	2
63	Microwave-assisted synthesis and formation mechanism of fluorescent carbon dots from starch. <b>2022</b> , 100218	1
62	Carbon spheres synthesized from KHCO <sub>3</sub> activation of glucose derived hydrochar with excellent CO <sub>2</sub> capture capabilities at both low and high pressures. <b>2022</b> , 294, 121193	0
61	Synthesis of nitrogen-enriched hydrochar via co-hydrothermal reaction of liquid digestate and corn stalk.. <b>2022</b> , 155572	0
60	Moving MoO <sub>3</sub> /C Nanospheres with the Functions of Enrichment and Sensing for Online-High-Throughput SERS Detection.. <b>2022</b> ,	0
59	Yolk-shelled SnO <sub>2</sub> @NxC spheres with controllable void space as high-capacity and cycle-stable anode materials for Lithium-ion batteries. <b>2022</b> , 110745	0
58	Evaluation of Process Parameters on Treated Banana Peel Bioadsorbent for Heavy Metals Removal. <b>2022</b> , 2266, 012005	
57	Enhanced electrochemical performance of in-situ synthesized Cu nanoparticle/C spheres composite for highly sensitive sensing of azathioprine immunosuppressive drug. <b>2022</b> , 242, 110079	0
56	Eco-friendly and sustainable approach of assembling sugars into biobased carbon fibers. <b>2022</b> , 24, 5097-5106	1
55	Rationale and trends of applied nanotechnology. <b>2022</b> , 373-389	
54	The effect of graphene-coating material (G-Fe) on the dynamic mechanical characteristics of magnetorheological elastomer (MRE). <b>2022</b> , 128,	1
53	Hierarchical Nickel Oxalate Superstructure Assembled from 1D Nanorods for Aqueous Nickel-Zinc Battery. <b>2022</b> ,	1



52	Selective Transformation of Methanol to Ethanol in the Presence of Syngas over Composite Catalysts. <b>2022</b> , 12, 8451-8461	1
51	In-situ construction of carbon-doped ZnO hollow spheres for highly efficient dimethylamine detection. <b>2022</b> , 369, 132356	0
50	Facile fabrication of macroporous carbon materials with Cucurbit[6]uril as precursor/template and its application for uranium removal. <b>2022</b> , 28, 102779	
49	Fructose-derived hydrochar: combustion thermochemistry and kinetics assessments.	0
48	Ti Sn O <sub>2</sub> phase separation modulated electronic structure and kinetic behaviors for high-rate and long-cycle anodes. <b>2022</b> , 243, 110151	1
47	Self-lubricating design strategy for thermally sprayed ceramic coatings by in-situ synthesis of carbon spheres. <b>2022</b> , 446, 128759	1
46	Controllable in-situ synthesis of MoS <sub>2</sub> /C in plasma-sprayed YSZ coatings: Microstructure, mechanical and tribological properties. <b>2022</b> , 448, 128895	0
45	A novel oil-water microemulsion strategy for controllable synthesis of large mesoporous carbon nanoparticles. <b>2022</b> , 200, 361-374	2
44	Visible-light responsive PVDF/carbon sphere@TiO <sub>2</sub> membrane for dye scavenging and bacteria inactivation. <b>2022</b> , 605, 154755	1
43	Facile Synthesis of Carbon immobilized magnetically active ternary TiO <sub>2</sub> (Fe <sub>3</sub> O <sub>4</sub> /Carbon/TiO <sub>2</sub> ) composite for visible light driven photocatalytic removal of organic pollutants in water.	0
42	Facile fabrication of Ag@C@C <sub>8</sub> nanoparticles as a SERS substrate and their environmental applications. <b>2022</b> , 147, 4026-4039	0
41	Visible-Light Responsive PvdF/Carbon Sphere@Tio <sub>2</sub> Membrane for Dye Scavenging and Bacteria Inactivation.	0
40	Achieving stable K-storage performance of carbon sphere-confined Sb via electrolyte regulation. <b>2023</b> , 76, 51-58	0
39	Directly Convert Carbonaceous Microspheres to Three-Dimensional Porous Carbon Microspheres with a Robust Self-Supporting Structure as a Metal-Free SERS Substrate for Online High-Throughput Analysis.	0
38	Sorption-enhanced steam reforming of CH <sub>4</sub> /CO <sub>2</sub> synthetic mixture representing biogas over porous Ni <sub>0.5</sub> Co <sub>0.5</sub> O/MgO microsphere via a surface modified carbon template. <b>2022</b> , 47, 32776-32786	0
37	Tunable carbon quantum dots from starch via microwave assisted carbonization. 13-21	1
36	Universal Mass Production of Biomass-Derived Nanosized Porous Carbon Spheres as a Superior Nonmetal Catalyst for Aerobic Oxidation of Hydrocarbons.	0
35	Novel magnetic graphoxide/biochar composite derived from tea for multiple SAs and QNs antibiotics removal in water.	0

- 34 Recyclable magnetic Fe<sub>3</sub>O<sub>4</sub>@C for methylene blue removal under microwave-induced reaction system. **2023**, 310, 136821 ○
- 33 Characterization of ibuprofen removal by calcined spherical hydrochar through adsorption experiments, molecular modeling, and artificial neural network predictions. **2023**, 311, 137074 ○
- 32 Functional polymers-assisted confined pyrolysis strategy to transform MOF into hierarchical Co/N-doped carbon for peroxymonosulfate advanced oxidation processes. **2023**, 305, 122407 ○
- 31 Preparation of amorphous carbon membranes synthesized via a glucose-solution hydrothermal method. **2022**, ○
- 30 Theoretically Screening of Carbon Dots As Corrosion Inhibitor: Effect of Size and Shape, Functional Group, and Nitrogen Doping. **2022**, 96, 2451-2458 ○
- 29 Bottom-up Hydrothermal Carbonization for the Precise Engineering of Carbon Materials. **2022**, 101048 1
- 28 Modification of silica particles with poly(phenylboronic acid) brushes for fabricating hollow mesoporous carbon nanospheres. ○
- 27 Structural features and solar absorption characteristics of sucrose derived spherical carbons: A case study towards solar-thermal water evaporation. **2022**, 11, 100585 ○
- 26 Preparation of N-doped cellulose-based hydrothermal carbon using a two-step hydrothermal induction assembly method for the efficient removal of Cr(VI) from wastewater. **2023**, 219, 115015 ○
- 25 Promoted Li<sup>+</sup> conduction in PEO-based all-solid-state electrolyte by hydroxyl-modified glass fiber fillers. ○
- 24 Facile synthesis of Ru nanoclusters embedded in carbonaceous shells for hydrogen evolution reaction in alkaline and acidic media. **2022**, 117116 ○
- 23 Sulfur-Doped Carbon for Potassium-Ion Battery Anode: Insight into the Doping and Potassium Storage Mechanism of Sulfur. 1
- 22 Formation Mechanisms of Hydroxyl-Rich Carbon Layers on Carbon Nanotube Surfaces for Promoting the Hydrolysis of Cellulose to Sugar. **2023**, 6, 588-597 ○
- 21 Facile Green Synthesis of Carbon Dots and Their Utility for Electrochemical Sensing and Binding of a Flavanone, Hesperetin. ○
- 20 Novel magnetic graphoxide/biochar composite derived from tea for multiple SAs and QNs antibiotics removal in water. ○
- 19 Spinel Li<sub>4</sub>Ti<sub>5</sub>O<sub>12</sub> hollow nanospheres prepared with colloid carbon spheres as templates for high power Li-ion battery anodes. ○
- 18 Smart Polymer Surfaces with Complex Wrinkled Patterns: Reversible, Non-Planar, Gradient, and Hierarchical Structures. **2023**, 15, 612 ○
- 17 Production and application of biochar. **2023**, ○

- 16 Coating zero valent iron onto hollow carbon spheres as efficient electrocatalyst for N<sub>2</sub> fixation and neutral Zn-N<sub>2</sub> battery. **2023**, 464, 142628
- 15 Direct synthesis of N, S co-doped porous carbons using novel organic potassium salts as activators for efficient CO<sub>2</sub> adsorption. **2023**, 342, 127824
- 14 Multiple Effects of High Surface Area Hollow Nanospheres Assembled by Nickel Cobaltate Nanosheets on Soluble Lithium Polysulfides. **2023**, 28, 1539
- 13 Acetaminophen adsorption to spherical carbons hydrothermally synthesized from sucrose: experimental, molecular, and mathematical modeling studies. **2023**, 30, 49703-49719
- 12 A Multifunctional, Highly Biocompatible, and Double-Triggering Caramelized Nanotheranostic System Loaded with Fe<sub>3</sub>O<sub>4</sub> and DOX for Combined Chemo-Photothermal Therapy and Real-Time Magnetic Resonance Imaging Monitoring of Triple Negative Breast Cancer. Volume 18, 881-897
- 11 Carbon nanosphere synthesis and applications for rechargeable batteries. **2023**, 59, 4257-4273
- 10 Process Effluent Recycling in the Supercritical Water Gasification of Dry Biomass. **2023**, 11, 797
- 9 Semiconducting Copper Oxide Nanostructure Material and Their Modified Electrode for Electrocatalytic Oxidation of Hydrazine and Glucose.
- 8 Ambipolar 2,2,6,6-tetramethylpiperidinyloxy and unipolar KI/VOSO<sub>4</sub> redox additives performance for ZnNH<sub>4</sub>PO<sub>4</sub> @ carbon hollow sphere for battery-supercapacitor hybrid device. **2023**, 34,
- 7 An electrochemical sensing platform with a molecularly imprinted polymer based on chitosan-stabilized metal-organic frameworks for topotecan detection. **2023**, 190,
- 6 Histamine Recognition by Carbon Dots from Plastic Waste and Development of Cellular Imaging: Experimental and Theoretical Studies.
- 5 Solvent-Free Synthesis of Polymer Spheres and the Activation to Porous Carbon Spheres for Advanced Aluminum-Ion Hybrid Capacitors.
- 4 Facile Fabrication of Monodispersed Carbon Sphere: A Pathway Toward Energy-Efficient Direct Air Capture (DAC) Using Amino Acids.
- 3 Disposable Sensor with Copper-Loaded Carbon Nanospheres for the Simultaneous Determination of Dopamine and Melatonin. **2023**, 11, 254
- 2 Combing Hollow Shell Structure and Z-Scheme Heterojunction Construction for Promoting CO<sub>2</sub> Photoreduction.
- 1 Carbon spheres modified titanium air diffusion cathode for boosting H<sub>2</sub>O<sub>2</sub> and application in disinfection. **2023**, 11, 110012