

Zonghua Wang

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64
papers

5,533
citations

34
h-index

64
g-index

64
ext. papers

6,056
ext. citations

5.9
avg, IF

5.3
L-index

#	Paper	IF	Citations
64	Comparative study of methylene blue dye adsorption onto activated carbon, graphene oxide, and carbon nanotubes. <i>Chemical Engineering Research and Design</i> , 2013 , 91, 361-368	5.5	594
63	Adsorption of methylene blue from aqueous solution by graphene. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 90, 197-203	6	530
62	Carbon nanotube-modified electrodes for the simultaneous determination of dopamine and ascorbic acid. <i>Analyst, The</i> , 2002 , 127, 653-8	5	395
61	Methylene blue adsorption on graphene oxide/calcium alginate composites. <i>Carbohydrate Polymers</i> , 2013 , 95, 501-7	10.3	330
60	Facile and tunable fabrication of Fe ₃ O ₄ /graphene oxide nanocomposites and their application in the magnetic solid-phase extraction of polycyclic aromatic hydrocarbons from environmental water samples. <i>Talanta</i> , 2012 , 101, 388-95	6.2	297
59	Removal of copper from aqueous solution by carbon nanotube/calcium alginate composites. <i>Journal of Hazardous Materials</i> , 2010 , 177, 876-80	12.8	240
58	Adsorption of fluoride from aqueous solution by graphene. <i>Journal of Colloid and Interface Science</i> , 2011 , 363, 348-54	9.3	226
57	Highly enhanced adsorption of congo red onto graphene oxide/chitosan fibers by wet-chemical etching off silica nanoparticles. <i>Chemical Engineering Journal</i> , 2014 , 245, 99-106	14.7	215
56	High performance agar/graphene oxide composite aerogel for methylene blue removal. <i>Carbohydrate Polymers</i> , 2017 , 155, 345-353	10.3	188
55	β-Cyclodextrin incorporated carbon nanotubes-modified electrodes for simultaneous determination of adenine and guanine. <i>Journal of Electroanalytical Chemistry</i> , 2006 , 589, 237-242	4.1	166
54	Adsorption of ciprofloxacin onto biocomposite fibers of graphene oxide/calcium alginate. <i>Chemical Engineering Journal</i> , 2013 , 230, 389-395	14.7	158
53	Removal of lead from aqueous solution by activated carbon prepared from <i>Enteromorpha prolifera</i> by zinc chloride activation. <i>Journal of Hazardous Materials</i> , 2010 , 183, 583-9	12.8	158
52	Equilibrium, kinetic and thermodynamic studies on the adsorption of phenol onto graphene. <i>Materials Research Bulletin</i> , 2012 , 47, 1898-1904	5.1	157
51	Mechanical and dye adsorption properties of graphene oxide/chitosan composite fibers prepared by wet spinning. <i>Carbohydrate Polymers</i> , 2014 , 102, 755-61	10.3	125
50	Adsorption Properties of Doxorubicin Hydrochloride onto Graphene Oxide: Equilibrium, Kinetic and Thermodynamic Studies. <i>Materials</i> , 2013 , 6, 2026-2042	3.5	111
49	Multiwall carbon nanotubes-poly(diallyldimethylammonium chloride)-graphene hybrid composite film for simultaneous determination of catechol and hydroquinone. <i>Sensors and Actuators B: Chemical</i> , 2015 , 206, 111-118	8.5	101
48	An ionic liquid-modified graphene based molecular imprinting electrochemical sensor for sensitive detection of bovine hemoglobin. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 391-6	11.8	101

47	A selective voltammetric method for uric acid detection at beta-cyclodextrin modified electrode incorporating carbon nanotubes. <i>Analyst, The</i> , 2002 , 127, 1353-8	5	93
46	Carbon nanotubes as separation carrier in capillary electrophoresis. <i>Electrophoresis</i> , 2003 , 24, 4181-8	3.6	87
45	Molecularly imprinted electrochemical biosensor based on chitosan/ionic liquid/graphene composites modified electrode for determination of bovine serum albumin. <i>Sensors and Actuators B: Chemical</i> , 2016 , 225, 305-311	8.5	83
44	Graphene-based solid-phase extraction disk for fast separation and preconcentration of trace polycyclic aromatic hydrocarbons from environmental water samples. <i>Journal of Separation Science</i> , 2013 , 36, 1834-42	3.4	83
43	Fabrication and characterization of a triple functionalization of graphene oxide with Fe ₃ O ₄ , folic acid and doxorubicin as dual-targeted drug nanocarrier. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 106, 60-5	6	81
42	Synthesis of strongly green-photoluminescent graphene quantum dots for drug carrier. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 112, 192-6	6	79
41	Highly effective removal of basic fuchsin from aqueous solutions by anionic polyacrylamide/graphene oxide aerogels. <i>Journal of Colloid and Interface Science</i> , 2015 , 453, 107-114	9.3	66
40	Application of graphene for the SPE clean-up of organophosphorus pesticides residues from apple juices. <i>Journal of Separation Science</i> , 2014 , 37, 99-105	3.4	52
39	Preparation of activated carbon from <i>Enteromorpha prolifera</i> and its use on cationic red X-GRL removal. <i>Applied Surface Science</i> , 2011 , 257, 10621-10627	6.7	52
38	Removal of methylene blue from water by cellulose/graphene oxide fibres. <i>Journal of Experimental Nanoscience</i> , 2016 , 11, 1156-1170	1.9	49
37	The fabrication of poly (acridine orange)/graphene modified electrode with electrolysis micelle disruption method for selective determination of uric acid. <i>Sensors and Actuators B: Chemical</i> , 2012 , 161, 131-136	8.5	45
36	Defluoridation from aqueous solution by manganese oxide coated graphene oxide. <i>Journal of Fluorine Chemistry</i> , 2013 , 148, 67-73	2.1	44
35	The Electrocatalytic Oxidation of Thymine at β -Cyclodextrin Incorporated Carbon Nanotube-Coated Electrode. <i>Electroanalysis</i> , 2003 , 15, 1129-1133	3	43
34	Graphene as an efficient sorbent for the SPE of organochlorine pesticides in water samples coupled with GC-MS. <i>Journal of Separation Science</i> , 2013 , 36, 3586-91	3.4	35
33	Amphoteric surfactant promoted three-dimensional assembly of graphene micro/nanoclusters to accommodate Pt nanoparticles for methanol oxidation. <i>Electrochimica Acta</i> , 2015 , 160, 288-295	6.7	35
32	A Selective Voltammetric Method for Detecting Dopamine at Quercetin Modified Electrode Incorporating Graphene. <i>Electroanalysis</i> , 2011 , 23, 2463-2471	3	35
31	Facile preparation of a Pt/Prussian blue/graphene composite and its application as an enhanced catalyst for methanol oxidation. <i>Electrochimica Acta</i> , 2014 , 121, 245-252	6.7	34
30	Facile preparation of PtPdPt/graphene nanocomposites with ultrahigh electrocatalytic performance for methanol oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 761, 55-61	4.1	30

29	Mixed ionic liquids/graphene-supported platinum nanoparticles as an electrocatalyst for methanol oxidation. <i>Electrochimica Acta</i> , 2014 , 142, 167-172	6.7	30
28	Phosphomolybdic acid functionalized graphene loading copper nanoparticles modified electrodes for non-enzymatic electrochemical sensing of glucose. <i>Analytica Chimica Acta</i> , 2016 , 934, 44-51	6.6	29
27	In situ template generation via N-alkylation in the syntheses of open-framework zinc phosphites and phosphate. <i>Dalton Transactions</i> , 2013 , 42, 13084-91	4.3	27
26	A novel phosphomolybdic acid/polypyrrole/graphene composite modified electrode for sensitive determination of folic acid. <i>Journal of Electroanalytical Chemistry</i> , 2014 , 726, 107-111	4.1	25
25	Facile synthesis of PtPdPt nanocatalysts for methanol oxidation in alkaline solution. <i>Electrochimica Acta</i> , 2016 , 192, 400-406	6.7	24
24	Conversion of <i>Enteromorpha prolifera</i> to high-quality liquid oil via deoxy-liquefaction. <i>Journal of Analytical and Applied Pyrolysis</i> , 2013 , 104, 494-501	6	24
23	Highly dispersed ultrafine Pt nanoparticles on nickel-cobalt layered double hydroxide nanoarray for enhanced electrocatalytic methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 16302-16310 ²³	6.7	23
22	Label-free quadruple signal amplification strategy for sensitive electrochemical p53 gene biosensing. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 157-63	11.8	21
21	Electrocatalytic and Analytical Response of Cyclodextrin Incorporated Carbon Nanotubes-Modified Electrodes Toward Guanine. <i>Electroanalysis</i> , 2005 , 17, 2057-2061	3	19
20	Ultrasonic-assisted fabrication and release kinetics of two model redox-responsive magnetic microcapsules for hydrophobic drug delivery. <i>Ultrasonics Sonochemistry</i> , 2019 , 57, 223-232	8.9	18
19	Series of crystalline beryllium phosphates including new templates generated by in situ N-methylation transformation. <i>CrystEngComm</i> , 2014 , 16, 3296	3.3	18
18	Electrodeposition of PtNi bimetallic nanoparticles on three-dimensional graphene for highly efficient methanol oxidation. <i>RSC Advances</i> , 2015 , 5, 86578-86583	3.7	17
17	Deoxy-liquefaction of three different species of macroalgae to high-quality liquid oil. <i>Bioresource Technology</i> , 2014 , 169, 110-118	11	17
16	Determination of hippuric acid in human urine by ion chromatography with conductivity detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011 , 879, 296-302 ²	3.2	17
15	Molecularly imprinted electrochemical sensor based on an electrode modified with an imprinted pyrrole film immobilized on a cyclodextrin/gold nanoparticles/graphene layer. <i>RSC Advances</i> , 2015 , 5, 82930-82935	3.7	16
14	A Novel Method for Bisphenol A Analysis in Dairy Products Using Graphene as an Adsorbent for Solid Phase Extraction Followed by Ion Chromatography. <i>Food Analytical Methods</i> , 2013 , 6, 1537-1543	3.4	15
13	Platinum/graphene functionalized by PDDA as a novel enzyme carrier for hydrogen peroxide biosensor. <i>Analytical Methods</i> , 2013 , 5, 483-488	3.2	13
12	Density functional study of organocatalytic cross-aldol reactions between two aliphatic aldehydes: insight into their functional differentiation and origins of chemo- and stereoselectivities. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 2862-72	2.8	13

11	Biosorption Behavior of Ciprofloxacin onto <i>Enteromorpha prolifera</i> : Isotherm and Kinetic Studies. <i>International Journal of Phytoremediation</i> , 2015 , 17, 957-61	3.9	11
10	Fabrication and characterization of a zirconia/multi-walled carbon nanotube mesoporous composite. <i>Materials Science and Engineering C</i> , 2013 , 33, 3931-4	8.3	9
9	Fabrication of Stable Ultrathin Transparent Conductive Carbon Nanotube Micropatterns Using Layer-by-Layer Self-Assembly. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015 , 23, 320-325	1.8	6
8	Synthesis and characterization of glycyrrhizin-decorated graphene oxide for hepatocyte-targeted delivery. <i>Comptes Rendus Chimie</i> , 2012 , 15, 708-713	2.7	6
7	A simplistic one-pot method to produce magnetic graphene-CdS nanocomposites. <i>Comptes Rendus Chimie</i> , 2012 , 15, 714-718	2.7	6
6	The direct syn-aldol and anti-Mannich reactions catalyzed by axially chiral amino sulfonamide and contrasts with proline catalysis: Insight from a computational study. <i>Computational and Theoretical Chemistry</i> , 2013 , 1018, 77-84	2	4
5	Theoretical investigation on the chemo- and stereoselectivities of isoleucine-catalyzed cross-aldol reactions between two enolizable aldehydes involving isobutyraldehyde and contrasts with proline catalysis. <i>Tetrahedron: Asymmetry</i> , 2014 , 25, 418-428		2
4	Preparation of chitosan-modified magnetic Schiff base network composite nanospheres for effective enrichment and detection of hippuric acid and 4-methyl hippuric acid. <i>Journal of Chromatography A</i> , 2021 , 1652, 462373	4.5	2
3	CoDeoxy-Liquefaction of Macroalgae and Lignocellulosic Biomass for Production of High Quality Liquid Oil. <i>ChemistrySelect</i> , 2017 , 2, 1820-1824	1.8	1
2	Density functional study of organocatalytic mannich-type reactions: Insight into reverse diastereoselectivities arising from catalysts with different scaffolds. <i>International Journal of Quantum Chemistry</i> , 2015 , 115, 398-405	2.1	1
1	Study of a novel chromogenic system of Mn ²⁺ -fluorone-carbon nanotubes. <i>Materials Science and Engineering C</i> , 2009 , 29, 341-345	8.3	1