Zonghua Wang

List of Publications by Year
in descending order

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64 papers	6,630 citations	117453 34 h-index	110170 64 g-index
64 all docs	64 docs citations	64 times ranked	8763 citing authors

#	Article	IF	Citations
1	Comparative study of methylene blue dye adsorption onto activated carbon, graphene oxide, and carbon nanotubes. Chemical Engineering Research and Design, 2013, 91, 361-368.	2.7	746
2	Adsorption of methylene blue from aqueous solution by graphene. Colloids and Surfaces B: Biointerfaces, 2012, 90, 197-203.	2.5	635
3	Carbon nanotube-modified electrodes for the simultaneous determination of dopamine and ascorbic acid. Analyst, The, 2002, 127, 653-658.	1.7	453
4	Methylene blue adsorption on graphene oxide/calcium alginate composites. Carbohydrate Polymers, 2013, 95, 501-507.	5.1	407
5	Facile and tunable fabrication of Fe3O4/graphene oxide nanocomposites and their application in the magnetic solid-phase extraction of polycyclic aromatic hydrocarbons from environmental water samples. Talanta, 2012, 101, 388-395.	2.9	334
6	Removal of copper from aqueous solution by carbon nanotube/calcium alginate composites. Journal of Hazardous Materials, 2010, 177, 876-880.	6.5	287
7	Highly enhanced adsorption of congo red onto graphene oxide/chitosan fibers by wet-chemical etching off silica nanoparticles. Chemical Engineering Journal, 2014, 245, 99-106.	6.6	273
8	Adsorption of fluoride from aqueous solution by graphene. Journal of Colloid and Interface Science, 2011, 363, 348-354.	5.0	271
9	High performance agar/graphene oxide composite aerogel for methylene blue removal. Carbohydrate Polymers, 2017, 155, 345-353.	5.1	251
10	Removal of lead from aqueous solution by activated carbon prepared from Enteromorpha prolifera by zinc chloride activation. Journal of Hazardous Materials, 2010, 183, 583-589.	6.5	185
11	Equilibrium, kinetic and thermodynamic studies on the adsorption of phenol onto graphene. Materials Research Bulletin, 2012, 47, 1898-1904.	2.7	185
12	Adsorption of ciprofloxacin onto biocomposite fibers of graphene oxide/calcium alginate. Chemical Engineering Journal, 2013, 230, 389-395.	6.6	185
13	Î²-Cyclodextrin incorporated carbon nanotubes-modified electrodes for simultaneous determination of adenine and guanine. Journal of Electroanalytical Chemistry, 2006, 589, 237-242.	1.9	179
14	Mechanical and dye adsorption properties of graphene oxide/chitosan composite fibers prepared by wet spinning. Carbohydrate Polymers, 2014, 102, 755-761.	5.1	152
15	Adsorption Properties of Doxorubicin Hydrochloride onto Graphene Oxide: Equilibrium, Kinetic and Thermodynamic Studies. Materials, 2013, 6, 2026-2042.	1.3	136
16	Multiwall carbon nanotubes-poly(diallyldimethylammonium chloride)-graphene hybrid composite film for simultaneous determination of catechol and hydroquinone. Sensors and Actuators B: Chemical, 2015, 206, 111-118.	4.0	120
17	An ionic liquid-modified graphene based molecular imprinting electrochemical sensor for sensitive detection of bovine hemoglobin. Biosensors and Bioelectronics, 2014, 61, 391-396.	5.3	115
18	A selective voltammetric method for uric acid detection at Î²-cyclodextrin modified electrode incorporating carbon nanotubes. Analyst, The, 2002, 127, 1353-1358.	1.7	107

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19	Molecularly imprinted electrochemical biosensor based on chitosan/ionic liquidâ€“graphene composites modified electrode for determination of bovine serum albumin. Sensors and Actuators B: Chemical, 2016, 225, 305-311.	4.0	107
20	Synthesis of strongly green-photoluminescent graphene quantum dots for drug carrier. Colloids and Surfaces B: Biointerfaces, 2013, 112, 192-196.	2.5	97
21	Fabrication and characterization of a triple functionalization of graphene oxide with Fe3O4, folic acid and doxorubicin as dual-targeted drug nanocarrier. Colloids and Surfaces B: Biointerfaces, 2013, 106, 60-65.	2.5	92
22	Carbon nanotubes as separation carrier in capillary electrophoresis. Electrophoresis, 2003, 24, 4181-4188.	1.3	91
23	Highly effective removal of basic fuchsin from aqueous solutions by anionic polyacrylamide/graphene oxide aerogels. Journal of Colloid and Interface Science, 2015, 453, 107-114.	5.0	91
24	Graphene-based solid-phase extraction disk for fast separation and preconcentration of trace polycyclic aromatic hydrocarbons from environmental water samples. Journal of Separation Science, 2013, 36, 1834-1842.	1.3	89
25	Removal of methylene blue from water by cellulose/graphene oxide fibres. Journal of Experimental Nanoscience, 2016, 11, 1156-1170.	1.3	64
26	Preparation of activated carbon from Enteromorpha prolifera and its use on cationic red X-GRL removal. Applied Surface Science, 2011, 257, 10621-10627.	3.1	63
27	Application of graphene for the SPE clean-up of organophosphorus pesticides residues from apple juices. Journal of Separation Science, 2014, 37, 99-105.	1.3	56
28	The fabrication of poly (acridine orange)/graphene modified electrode with electrolysis micelle disruption method for selective determination of uric acid. Sensors and Actuators B: Chemical, 2012, 161, 131-136.	4.0	52
29	Defluoridation from aqueous solution by manganese oxide coated graphene oxide. Journal of Fluorine Chemistry, 2013, 148, 67-73.	0.9	50
30	The Electrocatalytic Oxidation of Thymine at Î±-Cyclodextrin Incorporated Carbon Nanotube-Coated Electrode. Electroanalysis, 2003, 15, 1129-1133.	1.5	48
31	A Selective Voltammetric Method for Detecting Dopamine at Quercetin Modified Electrode Incorporating Graphene. Electroanalysis, 2011, 23, 2463-2471.	1.5	39
32	Graphene as an efficient sorbent for the SPE of organochlorine pesticides in water samples coupled with GC-MS. Journal of Separation Science, 2013, 36, 3586-3591.	1.3	37
33	Facile preparation of a Pt/Prussian blue/graphene composite and its application as an enhanced catalyst for methanol oxidation. Electrochimica Acta, 2014, 121, 245-252.	2.6	37
34	Amphoteric surfactant promoted three-dimensional assembly of graphene micro/nanoclusters to accomodate Pt nanoparticles for methanol oxidation. Electrochimica Acta, 2015, 160, 288-295.	2.6	37
35	Highly dispersed ultrafine Pt nanoparticles on nickel-cobalt layered double hydroxide nanoarray for enhanced electrocatalytic methanol oxidation. International Journal of Hydrogen Energy, 2018, 43, 16302-16310.	3.8	37
36	Phosphomolybdic acid functionalized graphene loading copper nanoparticles modified electrodes for non-enzymatic electrochemical sensing of glucose. Analytica Chimica Acta, 2016, 934, 44-51.	2.6	34

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37	Facile preparation of PtPdPt/graphene nanocomposites with ultrahigh electrocatalytic performance for methanol oxidation. Journal of Electroanalytical Chemistry, 2016, 761, 55-61.	1.9	34
38	Mixed ionic liquids/graphene-supported platinum nanoparticles as an electrocatalyst for methanol oxidation. Electrochimica Acta, 2014, 142, 167-172.	2.6	33
39	A novel phosphomolybdic acidâ€“polypyrrole/graphene composite modified electrode for sensitive determination of folic acid. Journal of Electroanalytical Chemistry, 2014, 726, 107-111.	1.9	29
40	Facile synthesis of PtPdPt nanocatalysts for methanol oxidation in alkaline solution. Electrochimica Acta, 2016, 192, 400-406.	2.6	29
41	Lable-free quadruple signal amplification strategy for sensitive electrochemical p53 gene biosensing. Biosensors and Bioelectronics, 2016, 77, 157-163.	5.3	29
42	Conversion of Enteromorpha prolifera to high-quality liquid oil via deoxy-liquefaction. Journal of Analytical and Applied Pyrolysis, 2013, 104, 494-501.	2.6	28
43	In situ template generation via N-alkylation in the syntheses of open-framework zinc phosphites and phosphate. Dalton Transactions, 2013, 42, 13084.	1.6	28
44	Ultrasonic-assisted fabrication and release kinetics of two model redox-responsive magnetic microcapsules for hydrophobic drug delivery. Ultrasonics Sonochemistry, 2019, 57, 223-232.	3.8	27
45	Determination of hippuric acid in human urine by ion chromatography with conductivity detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 296-298.	1.2	22
46	Molecularly imprinted electrochemical sensor based on an electrode modified with an imprinted pyrrole film immobilized on a Î²-cyclodextrin/gold nanoparticles/graphene layer. RSC Advances, 2015, 5, 82930-82935.	1.7	22
47	Electrodeposition of PtNi bimetallic nanoparticles on three-dimensional graphene for highly efficient methanol oxidation. RSC Advances, 2015, 5, 86578-86583.	1.7	21
48	Electrocatalytic and Analytical Response of Î²-Cyclodextrin Incorporated Carbon Nanotubes-Modified Electrodes Toward Guanine. Electroanalysis, 2005, 17, 2057-2061.	1.5	20
49	Series of crystalline beryllium phosphates including new templates generated by in situ N-methylation transformation. CrystEngComm, 2014, 16, 3296.	1.3	20
50	Deoxy-liquefaction of three different species of macroalgae to high-quality liquid oil. Bioresource Technology, 2014, 169, 110-118.	4.8	20
51	A Novel Method for Bisphenol A Analysis in Dairy Products Using Graphene as an Adsorbent for Solid Phase Extraction Followed by Ion Chromatography. Food Analytical Methods, 2013, 6, 1537-1543.	1.3	18
52	Platinum/graphene functionalized by PDDA as a novel enzyme carrier for hydrogen peroxide biosensor. Analytical Methods, 2013, 5, 483-488.	1.3	17
53	Preparation of chitosan-modified magnetic Schiff base network composite nanospheres for effective enrichment and detection of hippuric acid and 4-methyl hippuric acid. Journal of Chromatography A, 2021, 1652, 462373.	1.8	16
54	Biosorption Behavior of Ciprofloxacin ontoEnteromorpha prolifera:Isotherm and Kinetic Studies. International Journal of Phytoremediation, 2015, 17, 957-961.	1.7	15

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55	Density Functional Study of Organocatalytic Cross-Aldol Reactions between Two Aliphatic Aldehydes: Insight into Their Functional Differentiation and Origins of Chemo- and Stereoselectivities. Journal of Physical Chemistry A, 2013, 117, 2862-2872.	1.1	14
56	Synthesis and characterization of glycyrrhizin-decorated graphene oxide for hepatocyte-targeted delivery. Comptes Rendus Chimie, 2012, 15, 708-713.	0.2	10
57	Fabrication and characterization of a zirconia/multi-walled carbon nanotube mesoporous composite. Materials Science and Engineering C, 2013, 33, 3931-3934.	3.8	10
58	Study of a novel chromogenic system of Mn2+â€“fluoroneâ€“carbon nanotubes. Materials Science and Engineering C, 2009, 29, 341-345.	3.8	6
59	A simplistic one-pot method to produce magnetic graphene-CdS nanocomposites. Comptes Rendus Chimie, 2012, 15, 714-718.	0.2	6
60	Fabrication of Stable Ultrathin Transparent Conductive Carbon Nanotube Micropatterns Using Layer-by-Layer Self-Assembly. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 320-325.	1.0	6
61	The direct syn-aldol and anti-Mannich reactions catalyzed by axially chiral amino sulfonamide and contrasts with proline catalysis: Insight from a computational study. Computational and Theoretical Chemistry, 2013, 1018, 77-84.	1.1	4
62	Theoretical investigation on the chemo- and stereoselectivities of isoleucine-catalyzed cross-aldol reactions between two enolizable aldehydes involving isobutyraldehyde and contrasts with proline catalysis. Tetrahedron: Asymmetry, 2014, 25, 418-428.	1.8	2
63	Density functional study of organocatalytic mannich-type reactions: Insight into reverse diastereoselectivities arising from catalysts with different scaffolds. International Journal of Quantum Chemistry, 2015, 115, 398-405.	1.0	1
64	Co-Deoxy-Liquefaction of Macroalgae and Lignocellulosic Biomass for Production of High-quality Liquid Oil. ChemistrySelect, 2017, 2, 1820-1824.	0.7	1