

Wenjuan Guo

List of Publications by Year in descending order

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72
papers

1,484
citations

279701

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h-index

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73
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73
docs citations

73
times ranked

1951
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel signal amplification strategy of an electrochemical aptasensor for kanamycin, based on thionine functionalized graphene and hierarchical nanoporous PtCu. <i>Biosensors and Bioelectronics</i> , 2016, 77, 752-758.	5.3	108
2	A sensitive electrochemical aptasensor for highly specific detection of streptomycin based on the porous carbon nanorods and multifunctional graphene nanocomposites for signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 151-159.	4.0	90
3	Inhibition of iron corrosion by 5,10,15,20-tetraphenylporphyrin and 5,10,15,20-tetra-(4-chlorophenyl)porphyrin adlayers in 0.5M H ₂ SO ₄ solutions. <i>Journal of Electroanalytical Chemistry</i> , 2007, 602, 115-122.	1.9	81
4	A novel electrochemical aptasensor for ultrasensitive detection of kanamycin based on MWCNTs@HMIMPF ₆ and nanoporous PtTi alloy. <i>Biosensors and Bioelectronics</i> , 2015, 74, 691-697.	5.3	62
5	GR@Fe ₃ O ₄ NPs and PEDOT@AuNPs composite based electrochemical aptasensor for the sensitive detection of penicillin. <i>Analytical Methods</i> , 2016, 8, 4391-4397.	1.3	52
6	Recent Progress in Polysulfide Redox-Flow Batteries. <i>Batteries and Supercaps</i> , 2019, 2, 627-637.	2.4	52
7	Characterization of iron surface modified by 2-mercaptobenzothiazole self-assembled monolayers. <i>Applied Surface Science</i> , 2006, 253, 2812-2819.	3.1	51
8	A novel electrochemical aptasensor based on MWCNTs@BMIMPF ₆ and amino functionalized graphene nanocomposite films for determination of kanamycin. <i>Analytical Methods</i> , 2015, 7, 5419-5427.	1.3	45
9	Hydrothermal and activated synthesis of adsorbent montmorillonite supported porous carbon nanospheres for removal of methylene blue from waste water. <i>RSC Advances</i> , 2015, 5, 89839-89847.	1.7	43
10	Investigations of Triphenyl Phosphate and Bis-(2-ethylhexyl) Phosphate Self-Assembled Films on Iron Surface Using Electrochemical Methods, Fourier Transform Infrared Spectroscopy, and Molecular Simulations. <i>Journal of Physical Chemistry C</i> , 2007, 111, 3109-3115.	1.5	42
11	High performance supercapacitors based on ternary graphene/Au/polyaniline (PANI) hierarchical nanocomposites. <i>RSC Advances</i> , 2016, 6, 1004-1011.	1.7	36
12	Investigation of alkylamine self-assembled films on iron electrodes by SEM, FT-IR, EIS and molecular simulations. <i>Electrochimica Acta</i> , 2007, 53, 1743-1753.	2.6	34
13	Polyethyleneimine modified bentonite for the adsorption of amino black 10B. <i>Journal of Solid State Chemistry</i> , 2017, 252, 152-157.	1.4	33
14	Ultrasensitive electrochemical detection of ochratoxin A based on signal amplification by one-pot synthesized flower-like PEDOT@AuNFs supported on a graphene oxide sponge. <i>Analyst</i> , 2019, 144, 5866-5874.	1.7	31
15	Preparation, Characterization and Application of Magnetic Fe ₃ O ₄ -CS for the Adsorption of Orange I from Aqueous Solutions. <i>PLoS ONE</i> , 2014, 9, e108647.	1.1	27
16	Triple stimuli-responsive amphiphilic glycopolymer. <i>Journal of Polymer Science Part A</i> , 2014, 52, 2131-2138.	2.5	27
17	Preparation and characterization of sodium polyacrylate-grafted bentonite and its performance removing Pb ²⁺ from aqueous solutions. <i>RSC Advances</i> , 2016, 6, 98945-98951.	1.7	27
18	Electrochemical, quantum chemical and SEM investigation of the inhibiting effect and mechanism of ciprofloxacin, norfloxacin and ofloxacin on the corrosion for mild steel in hydrochloric acid. <i>Science in China Series B: Chemistry</i> , 2008, 51, 928-936.	0.8	26

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19	Synthesis and properties of an amphoteric polycarboxylic acid-based superplasticizer used in sulfoaluminate cement. <i>Journal of Applied Polymer Science</i> , 2012, 125, 283-290.	1.3	26
20	A regular "signal attenuation" electrochemical aptasensor for highly sensitive detection of streptomycin. <i>New Journal of Chemistry</i> , 2016, 40, 9711-9718.	1.4	25
21	NaVPO ₄ F prepared under air as a cathode material for sodium-ion batteries. <i>Materials Letters</i> , 2017, 209, 82-85.	1.3	25
22	Ultrasensitive and selective label-free aptasensor for the detection of penicillin based on nanoporous PtTi/graphene oxide-Fe ₃ O ₄ /MWCNT-Fe ₃ O ₄ nanocomposite. <i>Microchemical Journal</i> , 2020, 158, 105270.	2.3	25
23	A study of the inhibition of copper corrosion by triethyl phosphate and triphenyl phosphate self-assembled monolayers. <i>Journal of the Serbian Chemical Society</i> , 2006, 71, 167-175.	0.4	25
24	Synthesis, characterization, and property of amphiphilic fluorinated ABC-type triblock copolymers. <i>Journal of Polymer Science Part A</i> , 2011, 49, 1528-1534.	2.5	23
25	A molecularly imprinted electrochemical sensor based on gold nanoparticles and multiwalled carbon nanotube-chitosan for the detection of tryptamine. <i>RSC Advances</i> , 2014, 4, 38649.	1.7	22
26	A facile procedure to fabricate nano calcium carbonate-polymer-based superhydrophobic surfaces. <i>New Journal of Chemistry</i> , 2014, 38, 2245-2249.	1.4	22
27	Synthesis of sodium polyacrylate-bentonite using in situ polymerization for Pb ²⁺ removal from aqueous solutions. <i>RSC Advances</i> , 2016, 6, 48145-48154.	1.7	21
28	Corrosion inhibition of carbon steel by three kinds of expired cephalosporins in 0.1M H ₂ SO ₄ . <i>Journal of Molecular Liquids</i> , 2020, 320, 114295.	2.3	21
29	Label-Free Electrochemical Sensor Based on Manganese Doped Titanium Dioxide Nanoparticles for Myoglobin Detection: Biomarker for Acute Myocardial Infarction. <i>Molecules</i> , 2021, 26, 4252.	1.7	19
30	Electrochemical and molecular simulation studies on the corrosion inhibition of 5,10,15,20-tetraphenylporphyrin adlayers on iron surface. <i>Applied Surface Science</i> , 2007, 253, 8734-8742.	3.1	18
31	A novel signal amplification strategy of an electrochemical immunosensor for human chorionic gonadotropin, based on nanocomposites of multi-walled carbon nanotubes-ionic liquid and nanoporous Pd. <i>RSC Advances</i> , 2014, 4, 57773-57780.	1.7	18
32	Design of a unique "ON/OFF" switch electrochemical aptasensor driven by the pH for the detection of Aflatoxin B1 in acid solutions based on titanium carbide/ carboxylated graphene oxide- poly(4-vinyl) Tj ETQq0 0 0 rgBT /Overlap 10 Tf 5	1.7	18
33	Cross-linking conducting polythiophene with yellow-green light-emitting properties and good thermal stability via free radical polymerization and electropolymerization. <i>Synthetic Metals</i> , 2011, 161, 1886-1891.	2.1	17
34	Sensitive sandwich electrochemical immunosensor for human chorionic gonadotropin using nanoporous Pd as a label. <i>RSC Advances</i> , 2014, 4, 21891-21898.	1.7	16
35	Synthesis, characterization and application of chitosan coated Fe ₃ O ₄ particles as an adsorbent for the removal of furfural from aqueous solution. <i>RSC Advances</i> , 2014, 4, 30352.	1.7	16
36	Thermo-sensitive zwitterionic block copolymers via ATRP. <i>RSC Advances</i> , 2014, 4, 24240-24247.	1.7	16

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37	Bentonite Modified by Allylamine Polymer for Adsorption of Amido Black 10B. <i>Polymers</i> , 2019, 11, 502.	2.0	16
38	Triazine-based organic polymers@SiO ₂ nanospheres for sensitive solid-phase microextraction of polycyclic aromatic hydrocarbons. <i>Journal of Separation Science</i> , 2020, 43, 622-630.	1.3	16
39	Biodegradable Self-Assembled Nanoparticles of Galactose-Containing Amphiphilic Triblock Copolymers for Targeted Delivery of Paclitaxel to HepG2 Cells. <i>Macromolecular Bioscience</i> , 2016, 16, 774-783.	2.1	15
40	Electrochemical synthesis of poly(3-thiophene acetic acid) nanowires with water-soluble macromolecule templates. <i>RSC Advances</i> , 2015, 5, 16684-16690.	1.7	14
41	A silica aerogel as an extractive coating for in-tube solid-phase microextraction to determine polycyclic aromatic hydrocarbons in water samples. <i>Analytical Methods</i> , 2019, 11, 5784-5792.	1.3	14
42	Application of biocharcoal aerogel sorbent for solid-phase microextraction of polycyclic aromatic hydrocarbons in water samples. <i>Journal of Separation Science</i> , 2020, 43, 4364-4373.	1.3	13
43	Ultra-Highly Efficient Removal of Methylene Blue Based on Graphene Oxide/TiO ₂ /Bentonite Sponge. <i>Materials</i> , 2020, 13, 824.	1.3	12
44	A sensitive electrochemical DNA sensor for detecting <i>Helicobacter pylori</i> based on accordion-like Ti ₃ C ₂ T _x : a simple strategy. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4353-4362.	1.9	12
45	Corncob biochar as a coating for trace analysis of polycyclic aromatic hydrocarbons in water samples by online in-tube solid-phase microextraction coupled to high performance liquid chromatography. <i>Microchemical Journal</i> , 2020, 159, 105399.	2.3	11
46	An ON/OFF Aptasensor for Detection of AFB ₁ Based on pH-sensitive Polymer and GO Composite. <i>Journal of the Electrochemical Society</i> , 2020, 167, 027508.	1.3	9
47	A rapid colorimetric method for determining glutathione based on the reaction between cobalt oxyhydroxide nanosheets and 3,3',5,5'-Tetramethylbenzidine. <i>Microchemical Journal</i> , 2021, 160, 105639.	2.3	9
48	Electrosynthesis of pure poly(3,4-ethylenedioxythiophene) (PEDOT) in chitosan-based liquid crystal phase. <i>Electronic Materials Letters</i> , 2013, 9, 605-608.	1.0	8
49	Adsorption of metanil yellow from aqueous solution using polyaniline-bentonite composite. <i>Colloid and Polymer Science</i> , 2017, 295, 1165-1175.	1.0	8
50	Carbonized silk fibers for in-tube solid-phase microextraction to detect polycyclic aromatic hydrocarbons in water samples. <i>Journal of Separation Science</i> , 2019, 42, 3535-3543.	1.3	8
51	A dual-modal colorimetric and photothermal assay for glutathione based on MnO ₂ nanosheets synthesized with eco-friendly materials. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 8443-8450.	1.9	8
52	Electrosyntheses and Characterization of Poly-N-(9-Fluorenylmethoxycarbonyl)-L-isoleucine (PFI) with Chirality. <i>Journal of Macromolecular Science - Physics</i> , 2012, 51, 2255-2265.	0.4	7
53	A novel label-free electrochemical immunosensor based on the composite of LPCs-SnS ₂ and AuNPs for the detection of human chorionic gonadotropin. <i>New Journal of Chemistry</i> , 2017, 41, 11600-11606.	1.4	7
54	Cationic Polymer Grafted-Bentonite by Ce(IV)-Redox System for Adsorption of the Anionic Dye. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2017, 27, 249-256.	1.9	7

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55	Performance Modulation through Synergetic Effect of Interstitial Water with Ti-substitution for Sodium Ion Battery Cathode. <i>Chemistry Letters</i> , 2019, 48, 670-673.	0.7	7
56	Surface Modification of Bentonite with Polymer Brushes and Its Application as an Efficient Adsorbent for the Removal of Hazardous Dye Orange I. <i>Nanomaterials</i> , 2020, 10, 1112.	1.9	7
57	Synthesis of a Cationic Polymer-Bentonite Composite Utilizing a Simple and Green Process for the Adsorption of Acid Orange 7 from Aqueous Solution. <i>Journal of Macromolecular Science - Physics</i> , 2019, 58, 794-809.	0.4	5
58	Preparation and dispersion properties of polycarbonate superplasticizers based on RAFT polymerization. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	4
59	Interference-free photoelectrochemical immunoassays using carboxymethylated dextran-coated and gold-modified TiO ₂ nanotube arrays. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4847-4854.	1.9	4
60	Electrosynthesis and Characterization of Poly(<i>N</i> -(9-fluorenylmethoxycarbonyl)glycine). <i>Chinese Journal of Chemistry</i> , 2012, 30, 985-991.	2.6	3
61	Synthesis of a novel water-soluble conjugated polyelectrolyte based on polycyclopentadithiophene backbone and its application for heparin detection. <i>Designed Monomers and Polymers</i> , 2014, 17, 624-628.	0.7	3
62	Tailoring high voltage cathode for sodium ion batteries. <i>Journal of Alloys and Compounds</i> , 2019, 791, 39-44.	2.8	3
63	Efficiency enhancement of solid-state dye-sensitized solar cells by doping polythiophene films photoelectrochemically grown onto TiO ₂ nanoparticles covered with cis-bis(isothiocyanato)bis(2,2'-bipyridyl-4,4'-dicarboxylato)ruthenium(II). <i>Electrochimica Acta</i> , 2020, 355, 136685.	2.6	3
64	Synthesis and water absorption of galactose-containing amphiphilic triblock copolymers based on PLAs. <i>New Journal of Chemistry</i> , 2014, 38, 490-494.	1.4	2
65	Preparation of polyamine grafted bentonite by surface-initiated atom transfer radical polymerization for efficient adsorption of Orange I from aqueous solution. <i>New Journal of Chemistry</i> , 2017, 41, 3352-3357.	1.4	2
66	Novel Cross-Linked Conducting Polythiophene with Yellow-Green Light-Emitting Properties and Good Thermal Stability. <i>Chinese Journal of Chemistry</i> , 2011, 29, 1985-1988.	2.6	1
67	Direct Electrosynthesis and Characterization of a New Soluble Polythiophene Derivative Containing Carboxyl Groups in Boron Trifluoride Diethyl Etherate. <i>Journal of Electronic Materials</i> , 2012, 41, 2411-2418.	1.0	1
68	Electrosynthesis of Chirality Conducting Poly[<i>N</i> -(9-fluorenylmethoxycarbonyl)- <i>L</i> -phenylalanine] with Good Blue Light-Emitting Properties. <i>Chinese Journal of Chemistry</i> , 2012, 30, 507-511.	2.6	1
69	Electrosynthesis of blue-light-emitting oligo(1-bromopyrene) with favorable solubility. <i>Journal of Solid State Electrochemistry</i> , 2012, 16, 1907-1915.	1.2	1
70	Synthesis of bentonite grafted by cationic polymer for the adsorption of Amido black 10B. <i>Colloid and Polymer Science</i> , 2016, 294, 2005-2012.	1.0	1
71	Novel Chiral Conducting Poly[<i>N</i> -(9-Fluorenylmethoxycarbonyl)- <i>L</i> -Alanine] (PN9FA) with Good Fluorescence Properties via Electropolymerization. <i>Journal of Macromolecular Science - Physics</i> , 2016, 55, 457-470.	0.4	1
72	Solvent- and Coating Mode-induced Surface Patterns of a Ternary Hydrophilic-Lipophilic-Fluorophilic Block Copolymer. <i>Chemistry Letters</i> , 2016, 45, 306-308.	0.7	0