Ruibin Guo

List of Publications by Year
in descending order

44 papers	834 citations	516710 16 h-index	501196 28 g-index
44 all docs	44 docs citations	44 times ranked	1024 citing authors

#	Article	IF	Citations
1	Advances in the use of functional composites of Î²-cyclodextrin in electrochemical sensors. Mikrochimica Acta, 2018, 185, 328.	5.0	80
2	Highly sensitive fluorescence sensor for mercury(II) based on boron- and nitrogen-co-doped graphene quantum dots. Journal of Colloid and Interface Science, 2020, 566, 357-368.	9.4	62
3	Synthesis of Fe₃O₄ Nanoparticles Using Controlled Ammonia Vapor Diffusion under Ultrasonic Irradiation. Industrial & Engineering Chemistry Research, 2011, 50, 3534-3539.	3.7	53
4	Graphene-ferrocene functionalized cyclodextrin composite with high electrochemical recognition capability for phenylalanine enantiomers. Bioelectrochemistry, 2019, 128, 74-82.	4.6	50
5	Perylene-functionalized graphene sheets modified with chitosan for voltammetric discrimination of tryptophan enantiomers. Mikrochimica Acta, 2019, 186, 333.	5.0	47
6	A Highly Effective Electrochemical Chiral Sensor of Tryptophan Enantiomers Based on Covalently Functionalize Reduced Graphene Oxide with L-Lysine. Journal of the Electrochemical Society, 2016, 163, B272-B279.	2.9	43
7	Electrochemical chiral sensing of tryptophan enantiomers by using 3D nitrogen-doped reduced graphene oxide and self-assembled polysaccharides. Mikrochimica Acta, 2019, 186, 557.	5.0	43
8	In situ growth and phenyl functionalization of titania nanoparticles coating for solid-phase microextraction of ultraviolet filters in environmental water samples followed by high performance liquid chromatographyâ€“UV detection. Analytica Chimica Acta, 2015, 867, 38-46.	5.4	38
9	Perylene-functionalized graphene sheets modified with Î²-cyclodextrin for the voltammetric discrimination of phenylalanine enantiomers. Bioelectrochemistry, 2019, 129, 189-198.	4.6	34
10	Fabrication of an electrochemical chiral sensor via an integrated polysaccharides/3D nitrogen-doped graphene-CNT frame. Bioelectrochemistry, 2020, 131, 107396.	4.6	30
11	Preparation and Characterization of Graphene/Europium Oxide Composites. Materials and Manufacturing Processes, 2012, 27, 494-498.	4.7	24
12	The construction and application of chiral electrochemical sensors. Analytical Methods, 2016, 8, 8134-8140.	2.7	24
13	The construction of electrochemical chiral interfaces using hydroxypropyl chitosan. RSC Advances, 2017, 7, 8542-8549.	3.6	23
14	Synthesis of graphene/Fe3O4/NiO magnetic nanocomposites and its application in photocatalytic degradation the organic pollutants in wastewater. Journal of Porous Materials, 2015, 22, 1245-1253.	2.6	21
15	Amino-functionalized graphene/chitosan composite as an enhanced sensing platform for highly selective detection of Cu2+. Ionics, 2018, 24, 1505-1513.	2.4	20
16	The one-pot synthesis of porous Ni_{0.85}Se nanospheres on graphene as an efficient and durable electrocatalyst for overall water splitting. New Journal of Chemistry, 2020, 44, 17313-17322.	2.8	19
17	Electrochemical enantiorecognition of tryptophan enantiomers based on a multi-walled carbon nanotubeâ€“hydroxyethyl chitosan composite film. Analytical Methods, 2017, 9, 5149-5155.	2.7	17
18	Highly selective tryptophan enantiomers electrochemical chiral sensor based on poly-lysine and functionalized multi-walled carbon nanotubes. Journal of Solid State Electrochemistry, 2018, 22, 973-981.	2.5	16

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19	Chiral electrochemical recognition of tryptophan enantiomers at a multi-walled carbon nanotubeâ€“N-carboxymethyl chitosan composite-modified glassy carbon electrode. New Journal of Chemistry, 2018, 42, 11635-11641.	2.8	16
20	Hierarchically structured nitrogen-doped carbon for advanced supercapacitor electrode materials. Ionics, 2016, 22, 1197-1207.	2.4	15
21	An electrochemical chiral sensor based on the synergy of chiral ionic liquid and 3D-NGMWCNT for tryptophan enantioselective recognition. Mikrochimica Acta, 2021, 188, 163.	5.0	15
22	Electrochemical recognition for tryptophan enantiomers based on 3, 4, 9, 10-perylenetetracarboxylic acidâ€“chitosan composite film. Journal of Solid State Electrochemistry, 2018, 22, 2405-2412.	2.5	14
23	A new route to synthesize polyaniline-grafted carboxyl-functionalized graphene composite materials with excellent electrochemical performance. Iranian Polymer Journal (English Edition), 2017, 26, 423-430.	2.4	13
24	Formation of snowflake-like CdS/reduced graphene oxide composite for efficient photocatalytic organic dye degradation. Journal of Materials Science: Materials in Electronics, 2018, 29, 5944-5953.	2.2	13
25	A Regular Self-Assembly Micro-Nano Structure Based on Sodium Carboxymethyl Cellulose-Reduced Graphene Oxide (rGO-EDA-CMC) for Electrochemical Chiral Sensor. Journal of the Electrochemical Society, 2019, 166, B173-B182.	2.9	12
26	Fabrication of Polyaniline/Graphene/Tb³⁺Conductive Composite Material. Materials and Manufacturing Processes, 2015, 30, 335-339.	4.7	11
27	A synthesis of graphene quantum dots/hollow TiO2 nanosphere composites for enhancing visible light photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2020, 31, 1430-1441.	2.2	10
28	Molecular dynamics simulation on the interaction between single-walled carbon nanotubes and binaphthyl core-based chiral phenylene dendrimers. Journal of Materials Research, 2014, 29, 2156-2161.	2.6	9
29	Facile synthesis of highly conductive PPy/graphene nanosheet /Gd³⁺ composites. High Performance Polymers, 2012, 24, 105-111.	1.8	7
30	Synthesis of hierarchically structured iron oxide in magnetic field and their hydrophobic property. CrystEngComm, 2013, 15, 6546.	2.6	7
31	Preparation and characterisation of PPy/NanoGs/Fe3O4conductive and magnetic nanocomposites. Journal of Experimental Nanoscience, 2013, 8, 113-120.	2.4	6
32	Amino acid-inspired electrochemical recognition of phenylalanine enantiomers using amphoteric chitosan. New Journal of Chemistry, 2018, 42, 6817-6823.	2.8	6
33	The Synthesis of Chitosan Decorated Reduced Graphene Oxideâ€Ferrocene Nanocomposite and its Application in Electrochemical Detection Rhodamine B. Electroanalysis, 2019, 31, 1421-1428.	2.9	6
34	Self-assembled reduced graphene oxide/polyaniline/sodium carboxymethyl cellulose nanocomposite for voltammetric recognition of tryptophan enantiomers. Journal of Materials Science: Materials in Electronics, 2021, 32, 11791-11804.	2.2	6
35	Facile preparation of three-dimensional honeycomb nitrogen-doped carbon materials for supercapacitor applications. Journal of Materials Research, 2019, 34, 1200-1209.	2.6	5
36	Oneâ€step synthesis of highly conductive PPy/graphite nanosheets/Gd³⁺ composites. Polymer Composites, 2011, 32, 1274-1279.	4.6	4

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37	Molecular dynamics study on the microstructure of dendrimers/graphite composites. Journal of Materials Research, 2012, 27, 1124-1130.	2.6	4
38	Preparation and characterization of conductive and magnetic PPy/Fe₃O₄/Ag nanocomposites. Polymer Composites, 2014, 35, 450-455.	4.6	4
39	Chiral Nitrogen-Doped Graphene Quantum Dot Electrochemical Sensor for Recognition of Tartaric Acid Isomers. Journal of the Electrochemical Society, 2021, 168, 067515.	2.9	3
40	Synthesis and Luminescence Properties of Rod-Shaped La2O3:Eu3+ Nanocrystalline Using Carbon Nanotubes as Templates. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 988-992.	0.6	1
41	A novel system of galanginâ€“potassium permanganateâ€“polyphosphoric acid for the determination of tryptophan and its chemiluminescence mechanism. Luminescence, 2015, 30, 512-518.	2.9	1
42	SiO2@Graphene Composite Materials Obtained through Different Methods Used as Substrate Materials. Silicon, 2019, 11, 1261-1266.	3.3	1
43	Mechanical Properties of Epoxy Resin/PMMA/SiO2 Dental Composites. Journal of Testing and Evaluation, 2015, 43, 80-86.	0.7	1
44	Synthesis of conductive PPy/graphene/rare-earth ions composites and its application in the electrode materials. Journal of Materials Science: Materials in Electronics, 2014, 25, 4714-4719.	2.2	0