

Zhenliang Li

List of Publications by Year in descending order

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61
papers

1,000
citations

430874

18
h-index

477307

29
g-index

61
all docs

61
docs citations

61
times ranked

1267
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in the use of functional composites of β -cyclodextrin in electrochemical sensors. <i>Mikrochimica Acta</i> , 2018, 185, 328.	5.0	80
2	Highly sensitive fluorescence sensor for mercury(II) based on boron- and nitrogen-co-doped graphene quantum dots. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 357-368.	9.4	62
3	Synthesis of Fe_3O_4 Nanoparticles Using Controlled Ammonia Vapor Diffusion under Ultrasonic Irradiation. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 3534-3539.	3.7	53
4	Graphene-ferrocene functionalized cyclodextrin composite with high electrochemical recognition capability for phenylalanine enantiomers. <i>Bioelectrochemistry</i> , 2019, 128, 74-82.	4.6	50
5	Perylene-functionalized graphene sheets modified with chitosan for voltammetric discrimination of tryptophan enantiomers. <i>Mikrochimica Acta</i> , 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. <i>Journal of the Electrochemical Society</i> , 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. <i>Mikrochimica Acta</i> , 2019, 186, 557.	5.0	43
8	Preparation and Photocatalytic Performance of Magnetic TiO_2 /Montmorillonite/ Fe_3O_4 Nanocomposites. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 8057-8061.	3.7	38
9	Perylene-functionalized graphene sheets modified with β -cyclodextrin for the voltammetric discrimination of phenylalanine enantiomers. <i>Bioelectrochemistry</i> , 2019, 129, 189-198.	4.6	34
10	Fabrication of an electrochemical chiral sensor via an integrated polysaccharides/3D nitrogen-doped graphene-CNT frame. <i>Bioelectrochemistry</i> , 2020, 131, 107396.	4.6	30
11	Highly selective detection of trace Cu^{2+} based on polyethyleneimine-reduced graphene oxide nanocomposite modified glassy carbon electrode. <i>Ionics</i> , 2015, 21, 3125-3133.	2.4	27
12	Preparation and Characterization of Graphene/Europium Oxide Composites. <i>Materials and Manufacturing Processes</i> , 2012, 27, 494-498.	4.7	24
13	The construction and application of chiral electrochemical sensors. <i>Analytical Methods</i> , 2016, 8, 8134-8140.	2.7	24
14	Synthesis of graphite nanosheets/polyaniline nanorods composites with ultrasonic and conductivity. <i>Journal of Applied Polymer Science</i> , 2009, 112, 573-578.	2.6	23
15	The construction of electrochemical chiral interfaces using hydroxypropyl chitosan. <i>RSC Advances</i> , 2017, 7, 8542-8549.	3.6	23
16	Synthesis of graphene/ Fe_3O_4 / NiO magnetic nanocomposites and its application in photocatalytic degradation the organic pollutants in wastewater. <i>Journal of Porous Materials</i> , 2015, 22, 1245-1253.	2.6	21
17	Amino-functionalized graphene/chitosan composite as an enhanced sensing platform for highly selective detection of Cu^{2+} . <i>Ionics</i> , 2018, 24, 1505-1513.	2.4	20
18	An electrochemical chiral sensor for tryptophan enantiomers based on reduced graphene oxide/1,10-phenanthroline copper(II) functional composites. <i>RSC Advances</i> , 2015, 5, 60638-60645.	3.6	19

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19	The one-pot synthesis of porous Ni _{0.85} Se nanospheres on graphene as an efficient and durable electrocatalyst for overall water splitting. <i>New Journal of Chemistry</i> , 2020, 44, 17313-17322.	2.8	19
20	One-step hydrothermal synthesis of magnetic responsive TiO ₂ /nanotubes/Fe ₃ O ₄ /graphene composites with desirable photocatalytic properties and reusability. <i>RSC Advances</i> , 2016, 6, 39348-39355.	3.6	17
21	Electrochemical enantioselective recognition of tryptophan enantiomers based on a multi-walled carbon nanotube-chitosan composite film. <i>Analytical Methods</i> , 2017, 9, 5149-5155.	2.7	17
22	Highly selective tryptophan enantiomers electrochemical chiral sensor based on poly-lysine and functionalized multi-walled carbon nanotubes. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 973-981.	2.5	16
23	Chiral electrochemical recognition of tryptophan enantiomers at a multi-walled carbon nanotube-N-carboxymethyl chitosan composite-modified glassy carbon electrode. <i>New Journal of Chemistry</i> , 2018, 42, 11635-11641.	2.8	16
24	Hierarchically structured nitrogen-doped carbon for advanced supercapacitor electrode materials. <i>Ionics</i> , 2016, 22, 1197-1207.	2.4	15
25	Structural and Textural Characteristics of Zn-Containing ZSM-5 Zeolites and Application for the Selective Catalytic Reduction of NO _x with NH ₃ at High Temperatures. <i>Catalysis Surveys From Asia</i> , 2016, 20, 41-52.	2.6	15
26	An electrochemical chiral sensor based on the synergy of chiral ionic liquid and 3D-NGMWCNT for tryptophan enantioselective recognition. <i>Mikrochimica Acta</i> , 2021, 188, 163.	5.0	15
27	Electrochemical recognition for tryptophan enantiomers based on 3, 4, 9, 10-perylenetetracarboxylic acid-chitosan composite film. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2405-2412.	2.5	14
28	A new route to synthesize polyaniline-grafted carboxyl-functionalized graphene composite materials with excellent electrochemical performance. <i>Iranian Polymer Journal (English Edition)</i> , 2017, 26, 423-430.	2.4	13
29	Formation of snowflake-like CdS/reduced graphene oxide composite for efficient photocatalytic organic dye degradation. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 5944-5953.	2.2	13
30	A new method to construct hierarchical ZSM-5 zeolites with excellent catalytic activity. <i>Journal of Porous Materials</i> , 2014, 21, 957-965.	2.6	12
31	A Regular Self-Assembly Micro-Nano Structure Based on Sodium Carboxymethyl Cellulose-Reduced Graphene Oxide (rGO-EDA-CMC) for Electrochemical Chiral Sensor. <i>Journal of the Electrochemical Society</i> , 2019, 166, B173-B182.	2.9	12
32	Fabrication of Polyaniline/Graphene/Tb ³⁺ Conductive Composite Material. <i>Materials and Manufacturing Processes</i> , 2015, 30, 335-339.	4.7	11
33	Ultrasonic preparation of cellulose/Ag/polyaniline conductive composites and its electrical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 7295-7302.	2.2	10
34	A synthesis of graphene quantum dots/hollow TiO ₂ nanosphere composites for enhancing visible light photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 1430-1441.	2.2	10
35	Flower-like Co ₃ Ni ₁ B nanosheets based on reduced graphene oxide (rGO) as an efficient electrocatalyst for the oxygen evolution reaction. <i>New Journal of Chemistry</i> , 2022, 46, 13524-13532.	2.8	10
36	Molecular dynamics simulation on the interaction between single-walled carbon nanotubes and binaphthyl core-based chiral phenylene dendrimers. <i>Journal of Materials Research</i> , 2014, 29, 2156-2161.	2.6	9

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37	Tryptophan non-covalent modification of reduced graphene oxide for sensitive detection of Cu ²⁺ . Journal of Materials Science: Materials in Electronics, 2017, 28, 9634-9641.	2.2	9
38	Facile synthesis of highly conductive PPy/graphene nanosheet /Gd ³⁺ composites. High Performance Polymers, 2012, 24, 105-111.	1.8	7
39	Synthesis of hierarchically structured iron oxide in magnetic field and their hydrophobic property. CrystEngComm, 2013, 15, 6546.	2.6	7
40	Synthesis, characterization and supercapacitors of electrically conductive PPy/graphene/rare earth ions composites. Polymer Bulletin, 2014, 71, 2173-2184.	3.3	7
41	Preparation and characterisation of PPy/NanoGs/Fe ₃ O ₄ conductive and magnetic nanocomposites. Journal of Experimental Nanoscience, 2013, 8, 113-120.	2.4	6
42	Amino acid-inspired electrochemical recognition of phenylalanine enantiomers using amphoteric chitosan. New Journal of Chemistry, 2018, 42, 6817-6823.	2.8	6
43	The Synthesis of Chitosan Decorated Reduced Graphene Oxide@Ferrocene Nanocomposite and its Application in Electrochemical Detection Rhodamine B. Electroanalysis, 2019, 31, 1421-1428.	2.9	6
44	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
45	Preparation and electrochemistry of nanostructured PPy/graphite nanosheets/rare earth ions composites for supercapacitor. Polymer Engineering and Science, 2014, 54, 2731-2738.	3.1	5
46	Facile preparation of three-dimensional honeycomb nitrogen-doped carbon materials for supercapacitor applications. Journal of Materials Research, 2019, 34, 1200-1209.	2.6	5
47	One-step synthesis of highly conductive PPy/graphite nanosheets/Gd ³⁺ composites. Polymer Composites, 2011, 32, 1274-1279.	4.6	4
48	Molecular dynamics study on the microstructure of dendrimers/graphite composites. Journal of Materials Research, 2012, 27, 1124-1130.	2.6	4
49	Fabrication of NanoGs/PPy/Polymethacrylate (PMMA)-Epoxy Conductive Films. Materials and Manufacturing Processes, 2012, 27, 1324-1328.	4.7	4
50	Synthesis and characterisation of magnetic@fluorescent Fe ₃ O ₄ @SiO ₂ @ZnS nanocomposites. Micro and Nano Letters, 2014, 9, 171-174.	1.3	4
51	Preparation and characterization of conductive and magnetic PPy/Fe ₃ O ₄ /Ag nanocomposites. Polymer Composites, 2014, 35, 450-455.	4.6	4
52	Enhanced photocatalytic organic dye removal performance of micro-nanostructured TiO ₂ /graphene composites by using hydrochloric acid control its morphology. Journal of Materials Science: Materials in Electronics, 2017, 28, 14543-14553.	2.2	4
53	Hollow SnS ₂ microcubes for photocatalytic activity toward Rhodamine B. Journal of Materials Science: Materials in Electronics, 2022, 33, 12447-12456.	2.2	2
54	Polypyrrole coated graphene nanoplatelets and the effect of rare earth ions with nanocomposites. Journal of Polymer Research, 2014, 21, 1.	2.4	1

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55	Synthesis and Luminescence Properties of Rod-Shaped La ₂ O ₃ :Eu ³⁺ Nanocrystalline Using Carbon Nanotubes as Templates. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015, 45, 988-992.	0.6	1
56	SiO ₂ @Graphene Composite Materials Obtained through Different Methods Used as Substrate Materials. <i>Silicon</i> , 2019, 11, 1261-1266.	3.3	1
57	Mechanical Properties of Epoxy Resin/PMMA/SiO ₂ Dental Composites. <i>Journal of Testing and Evaluation</i> , 2015, 43, 80-86.	0.7	1
58	The fabrication of a highly electroactive chiral-interface self-assembled Cu(II)-coordinated binary-polysaccharide composite for the differential pulse voltammetry (DPV) detection of tryptophan isomers. <i>New Journal of Chemistry</i> , 2022, 46, 9811-9818.	2.8	1
59	Synthesis and Characterization of Modified Epoxy Resin/Modified Nano-SiO ₂ Composite. <i>Advanced Composites Letters</i> , 2013, 22, 096369351302200.	1.3	0
60	Synthesis of conductive PPy/graphene/rare-earth ions composites and its application in the electrode materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 4714-4719.	2.2	0
61	Shape-controlled hollow Cu ₂ O@CuS nanocubes with enhanced photocatalytic activities towards degradation of tetracycline. <i>Environmental Technology (United Kingdom)</i> , 2022, , 1-16.	2.2	0