Guang Wang

List of Publications by Year in descending order

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37 papers	1,096 citations	430874 18 h-index	414414 32 g-index
37 all docs	37 docs citations	37 times ranked	1374 citing authors

#	Article	IF	Citations
1	A highly selective fluorescence and absorption sensor for rapid recognition and detection of Cu²⁺ ions in aqueous solution and film. Luminescence, 2022, 37, 391-398.	2.9	6
2	Zn-MOF74 as a â€œturn-onâ€•fluorescent chemosensor for recognition and detection of water in acetone and Al3+ in ethanol with high selectivity and sensitivity. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 431, 114052.	3.9	11
3	Turn-on fluorescent sensor based on curcumin@MOF-5 for the sensitive detection of Al³⁺. Analytical Methods, 2022, 14, 2714-2722.	2.7	15
4	Nano-SnO2 Decorated Carbon Cloth as Flexible, Self-supporting and Additive-Free Anode for Sodium/Lithium-Ion Batteries. Acta Metallurgica Sinica (English Letters), 2021, 34, 390-400.	2.9	61
5	Tetraphenylethylene-based covalent organic frameworks as fluorescent chemosensor for rapid sensitive recognition and selective â€œturn-onâ€•fluorescence detection of trace-level Al3+ ion. Microporous and Mesoporous Materials, 2021, 316, 110979.	4.4	35
6	A carbazole-grafted covalent organic framework as turn-on fluorescence chemosensor for recognition and detection of Pb2+ ions with high selectivity and sensitivity. Journal of Materials Science, 2021, 56, 11789-11800.	3.7	25
7	The Improved Interfacial and Thermal Stability of Nickelâ€Rich LiNi_{0.85}Co_{0.10}Mn_{0.05}O₂ Cathode in Liâ€Ion Battery via Perovskite La₄NiLiO₈ Coating. ChemNanoMat, 2021, 7, 672-681.	2.8	3
8	Study on the fluorescent covalent organic framework for selective â€œturn-offâ€•recognition and detection of Fe3+ ions. Tetrahedron, 2021, 96, 132405.	1.9	27
9	Coumarin-embedded MOF UiO-66 as a selective and sensitive fluorescent sensor for the recognition and detection of Fe³⁺ ions. Journal of Materials Chemistry C, 2021, 9, 16978-16984.	5.5	32
10	Benzothiazole-based fluorescence chemosensors for rapid recognition and â€œturn-offâ€•fluorescence detection of Fe3+ ions in aqueous solution and in living cells. Microchemical Journal, 2020, 152, 104351.	4.5	54
11	A highly selective and sensitive â€œturn-onâ€•fluorescent probe for rapid recognition and detection of Cu2+ in aqueous solution and in living cells. Journal of Molecular Structure, 2020, 1219, 128573.	3.6	16
12	Study on the photochromism, photochromic fluorescence switch, fluorescent and colorimetric sensing for Cu2+ of naphthopyran-diaminomaleonitrile dyad and recognition Cu2+ in living cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 233, 118191.	3.9	20
13	Sb&Sb₂O₃@C-enhanced flexible carbon cloth as an advanced self-supporting anode for sodium-ion batteries. New Journal of Chemistry, 2020, 44, 4719-4725.	2.8	10
14	Doubleâ€Carbon Enhanced TiO 2 Nanotubes as Highly Improved Anodes for Sodiumâ€Ion Batteries. ChemistrySelect, 2020, 5, 3820-3827.	1.5	7
15	Staging Na/K-ion de-/intercalation of graphite retrieved from spent Li-ion batteries: in operando X-ray diffraction studies and an advanced anode material for Na/K-ion batteries. Energy and Environmental Science, 2019, 12, 3575-3584.	30.8	189
16	Oxadiazole-based â€˜on-offâ€™ fluorescence chemosensor for rapid recognition and detection of Fe2+ and Fe3+ in aqueous solution and in living cells. Microchemical Journal, 2019, 145, 435-443.	4.5	66
17	A new benzimidazoleâ€based selective and sensitive â€˜onâ€“offâ€™ fluorescence chemosensor for Cu²⁺ ions and application in cellular bioimaging. Luminescence, 2019, 34, 153-161.	2.9	10
18	A new â€œON-OFFâ€•fluorescent and colorimetric chemosensor based on 1,3,4-oxadiazole derivative for the detection of Cu2+ ions. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 360, 86-94.	3.9	39

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19	New selective â€œon-offâ€•fluorescence chemosensor based on carbazole Schiff base for Fe3+ detection. Chemistry of Heterocyclic Compounds, 2018, 54, 146-152.	1.2	29
20	Ultrasensitive and highly selective detection of Cu 2+ ions based on a new carbazole-Schiff. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 189, 495-501.	3.9	27
21	A new high selective and sensitive turn-on fluorescent and ratiometric absorption chemosensor for Cu 2+ based on benzimidazole in aqueous solution and its application in live cell. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 202, 305-313.	3.9	32
22	A new oxadiazole-based dual-mode chemosensor: Colorimetric detection of Co 2+ and fluorometric detection of Cu 2+ with high selectivity and sensitivity. Microchemical Journal, 2018, 142, 279-287.	4.5	53
23	Flexible P-Doped Carbon Cloth: Vacuum-Sealed Preparation and Enhanced Na-Storage Properties as Binder-Free Anode for Sodium Ion Batteries. ACS Applied Materials & Interfaces, 2017, 9, 12518-12527.	8.0	76
24	Graphene Nanosheets Suppress the Growth of Sb Nanoparticles in an Sb/C Nanocomposite to Achieve Fast Na Storage. Particle and Particle Systems Characterization, 2016, 33, 204-211.	2.3	42
25	Light-triggered â€œonâ€“offâ€•switching of fluorescence based on a naphthopyran-containing compound polymer micelle. Polymer Chemistry, 2016, 7, 3444-3450.	3.9	14
26	Electrochemical performance improvement of N-doped graphene as electrode materials for supercapacitors by optimizing the functional groups. RSC Advances, 2015, 5, 12583-12591.	3.6	15
27	Preparation and photochromic properties of layer-by-layer self-assembly films and light-responsive micelles based on amphiphilic naphthopyran derivative. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 525-531.	3.9	5
28	Romanechite-structured Na_{0.31}MnO_{1.9} nanofibers as high-performance cathode material for a sodium-ion battery. Chemical Communications, 2015, 51, 14848-14851.	4.1	53
29	Toward modulation of the naphthopyran photochromism: a miniemulsion copolymerization strategy. New Journal of Chemistry, 2014, 38, 2348.	2.8	10
30	High stability of photoinduced merocyanine in naphthopyranâ€doped polyvinylpyrrolidone electrospun nanofibers. Polymer International, 2014, 63, 1991-1996.	3.1	9
31	Study on a highly selective fluorescent chemosensor for Cu2+ and its direct sensing for proton based on 1,3,4-oxadiazole. Journal of Luminescence, 2014, 153, 439-445.	3.1	19
32	Photochromic behavior of naphthopyran in styreneâ€“butadieneâ€“styrene elastomer thin films: Effect of stretching of film and linker. Journal of Applied Polymer Science, 2013, 127, 1794-1802.	2.6	13
33	The high stability of merocyanine and significant slow fading speed of naphthopyran in layer-by-layer assembled films via hydrogen bonding. New Journal of Chemistry, 2013, 37, 1385.	2.8	12
34	Template-free synthesis of rectangular mesoporous carbon nanorods and their application as a support for Pt electrocatalysts. Journal of Materials Chemistry, 2012, 22, 5758.	6.7	32
35	Influence of polymer polarity on photochromic behavior of naphthodipyran doped in different polymeric matrixes. Journal of Applied Polymer Science, 2012, 124, 4157-4164.	2.6	17
36	Synthesis and photochromic properties of naphthopyran polymer containing photocrosslinkable coumarin moiety. Journal of Applied Polymer Science, 2011, 122, 3377-3382.	2.6	10

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37	Synthesis and Crystal Structure of the Bimetallic Complex [Fe(phen)₃]₂[phen][V₄O₁₂]Â·19H₂O. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2008, 63, 1352-1356.	0.7	2