

Guang Wang

List of Publications by Year in descending order

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37
papers

1,096
citations

430874

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times ranked

1374
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#	ARTICLE	IF	CITATIONS
1	Staging Na/K-ion de-/intercalation of graphite retrieved from spent Li-ion batteries: <i>in operando</i> X-ray diffraction studies and an advanced anode material for Na/K-ion batteries. <i>Energy and Environmental Science</i> , 2019, 12, 3575-3584.	30.8	189
2	Flexible P-Doped Carbon Cloth: Vacuum-Sealed Preparation and Enhanced Na-Storage Properties as Binder-Free Anode for Sodium Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12518-12527.	8.0	76
3	Oxadiazole-based "on-off" fluorescence chemosensor for rapid recognition and detection of Fe ²⁺ and Fe ³⁺ in aqueous solution and in living cells. <i>Microchemical Journal</i> , 2019, 145, 435-443.	4.5	66
4	Nano-SnO ₂ Decorated Carbon Cloth as Flexible, Self-supporting and Additive-Free Anode for Sodium/Lithium-Ion Batteries. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 390-400.	2.9	61
5	Benzothiazole-based fluorescence chemosensors for rapid recognition and "turn-off" fluorescence detection of Fe ³⁺ ions in aqueous solution and in living cells. <i>Microchemical Journal</i> , 2020, 152, 104351.	4.5	54
6	Romanechite-structured Na _{0.31} MnO _{1.9} nanofibers as high-performance cathode material for a sodium-ion battery. <i>Chemical Communications</i> , 2015, 51, 14848-14851.	4.1	53
7	A new oxadiazole-based dual-mode chemosensor: Colorimetric detection of Co ²⁺ and fluorometric detection of Cu ²⁺ with high selectivity and sensitivity. <i>Microchemical Journal</i> , 2018, 142, 279-287.	4.5	53
8	Graphene Nanosheets Suppress the Growth of Sb Nanoparticles in an Sb/C Nanocomposite to Achieve Fast Na Storage. <i>Particle and Particle Systems Characterization</i> , 2016, 33, 204-211.	2.3	42
9	A new "ON-OFF" fluorescent and colorimetric chemosensor based on 1,3,4-oxadiazole derivative for the detection of Cu ²⁺ ions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 360, 86-94.	3.9	39
10	Tetraphenylethylene-based covalent organic frameworks as fluorescent chemosensor for rapid sensitive recognition and selective "turn-on" fluorescence detection of trace-level Al ³⁺ ion. <i>Microporous and Mesoporous Materials</i> , 2021, 316, 110979.	4.4	35
11	Template-free synthesis of rectangular mesoporous carbon nanorods and their application as a support for Pt electrocatalysts. <i>Journal of Materials Chemistry</i> , 2012, 22, 5758.	6.7	32
12	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 202, 305-313.	3.9	32
13	Coumarin-embedded MOF UiO-66 as a selective and sensitive fluorescent sensor for the recognition and detection of Fe ³⁺ ions. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16978-16984.	5.5	32
14	New selective "on-off" fluorescence chemosensor based on carbazole Schiff base for Fe ³⁺ detection. <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 146-152.	1.2	29
15	Ultrasensitive and highly selective detection of Cu ²⁺ ions based on a new carbazole-Schiff. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 189, 495-501.	3.9	27
16	Study on the fluorescent covalent organic framework for selective "turn-off" recognition and detection of Fe ³⁺ ions. <i>Tetrahedron</i> , 2021, 96, 132405.	1.9	27
17	A carbazole-grafted covalent organic framework as turn-on fluorescence chemosensor for recognition and detection of Pb ²⁺ ions with high selectivity and sensitivity. <i>Journal of Materials Science</i> , 2021, 56, 11789-11800.	3.7	25
18	Study on the photochromism, photochromic fluorescence switch, fluorescent and colorimetric sensing for Cu ²⁺ of naphthopyran-diaminomaleonitrile dyad and recognition Cu ²⁺ in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 233, 118191.	3.9	20

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19	Study on a highly selective fluorescent chemosensor for Cu ²⁺ and its direct sensing for proton based on 1,3,4-oxadiazole. <i>Journal of Luminescence</i> , 2014, 153, 439-445.	3.1	19
20	Influence of polymer polarity on photochromic behavior of naphthodipyran doped in different polymeric matrixes. <i>Journal of Applied Polymer Science</i> , 2012, 124, 4157-4164.	2.6	17
21	A highly selective and sensitive "turn-on" fluorescent probe for rapid recognition and detection of Cu ²⁺ in aqueous solution and in living cells. <i>Journal of Molecular Structure</i> , 2020, 1219, 128573.	3.6	16
22	Electrochemical performance improvement of N-doped graphene as electrode materials for supercapacitors by optimizing the functional groups. <i>RSC Advances</i> , 2015, 5, 12583-12591.	3.6	15
23	Turn-on fluorescent sensor based on curcumin@MOF-5 for the sensitive detection of Al ³⁺ . <i>Analytical Methods</i> , 2022, 14, 2714-2722.	2.7	15
24	Light-triggered "on/off" switching of fluorescence based on a naphthopyran-containing compound polymer micelle. <i>Polymer Chemistry</i> , 2016, 7, 3444-3450.	3.9	14
25	Photochromic behavior of naphthopyran in styrene-butadiene-styrene elastomer thin films: Effect of stretching of film and linker. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1794-1802.	2.6	13
26	The high stability of merocyanine and significant slow fading speed of naphthopyran in layer-by-layer assembled films via hydrogen bonding. <i>New Journal of Chemistry</i> , 2013, 37, 1385.	2.8	12
27	Zn-MOF74 as a "turn-on" fluorescent chemosensor for recognition and detection of water in acetone and Al ³⁺ in ethanol with high selectivity and sensitivity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 431, 114052.	3.9	11
28	Synthesis and photochromic properties of naphthopyran polymer containing photocrosslinkable coumarin moiety. <i>Journal of Applied Polymer Science</i> , 2011, 122, 3377-3382.	2.6	10
29	Toward modulation of the naphthopyran photochromism: a miniemulsion copolymerization strategy. <i>New Journal of Chemistry</i> , 2014, 38, 2348.	2.8	10
30	A new benzimidazole-based selective and sensitive "on/off" fluorescence chemosensor for Cu ²⁺ ions and application in cellular bioimaging. <i>Luminescence</i> , 2019, 34, 153-161.	2.9	10
31	Sb ₂ O ₃ @C-enhanced flexible carbon cloth as an advanced self-supporting anode for sodium-ion batteries. <i>New Journal of Chemistry</i> , 2020, 44, 4719-4725.	2.8	10
32	High stability of photoinduced merocyanine in naphthopyran-doped polyvinylpyrrolidone electrospun nanofibers. <i>Polymer International</i> , 2014, 63, 1991-1996.	3.1	9
33	Double-Carbon Enhanced TiO ₂ Nanotubes as Highly Improved Anodes for Sodium-Ion Batteries. <i>ChemistrySelect</i> , 2020, 5, 3820-3827.	1.5	7
34	A highly selective fluorescence and absorption sensor for rapid recognition and detection of Cu ²⁺ ions in aqueous solution and film. <i>Luminescence</i> , 2022, 37, 391-398.	2.9	6
35	Preparation and photochromic properties of layer-by-layer self-assembly films and light-responsive micelles based on amphiphilic naphthopyran derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 151, 525-531.	3.9	5
36	The Improved Interfacial and Thermal Stability of Nickel-Rich LiNi _{0.85} Co _{0.10} Mn _{0.05} O ₂ Cathode in Li-Ion Battery via Perovskite La ₄ NiLiO ₈ Coating. <i>ChemNanoMat</i> , 2021, 7, 672-681.	2.8	3

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37	Synthesis and Crystal Structure of the Bimetallic Complex [Fe(phen) ₃] ₂ [phen][V ₄ O ₁₂]·19H ₂ O. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2008, 63, 1352-1356.	0.7	2