

Cheng-bin Gong

List of Publications by Year in descending order

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66
papers

1,399
citations

279798

23
h-index

377865

34
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68
all docs

68
docs citations

68
times ranked

1415
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoresponsive Molecularly Imprinted Hydrogels for the Photoregulated Release and Uptake of Pharmaceuticals in the Aqueous Media. <i>Chemistry of Materials</i> , 2008, 20, 1353-1358.	6.7	127
2	Review of the recent progress in photoresponsive molecularly imprinted polymers containing azobenzene chromophores. <i>Analytica Chimica Acta</i> , 2015, 900, 10-20.	5.4	79
3	Photocontrolled solid-phase extraction of guanine from complex samples using a novel photoresponsive molecularly imprinted polymer. <i>Food Chemistry</i> , 2015, 172, 56-62.	8.2	57
4	Ultrasensitive detection of bisphenol A in aqueous media using photoresponsive surface molecular imprinting polymer microspheres. <i>New Journal of Chemistry</i> , 2014, 38, 1780-1788.	2.8	52
5	Photo-responsive molecularly imprinted hydrogels for the detection of melamine in aqueous media. <i>Journal of Materials Chemistry</i> , 2012, 22, 19812.	6.7	49
6	Synthesis and characterization of novel electrochromic and photoresponsive materials based on azobenzene-4,4'-dicarboxylic acid dialkyl ester. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8162-8169.	5.5	40
7	Combined Chemical Activation and Fenton Degradation to Convert Waste Polyethylene into High-Value Fine Chemicals. <i>Chemistry - A European Journal</i> , 2016, 22, 9513-9518.	3.3	40
8	Photoresponsive surface molecularly imprinted polymer on ZnO nanorods for uric acid detection in physiological fluids. <i>Materials Science and Engineering C</i> , 2016, 66, 33-39.	7.3	38
9	Synthesis and characterization of photo- and pH-responsive nanoparticles containing amino-substituted azobenzene. <i>Journal of Materials Chemistry</i> , 2010, 20, 9133.	6.7	36
10	Photoresponsive hollow molecularly imprinted polymer for the determination of trace bisphenol A in water. <i>Journal of Colloid and Interface Science</i> , 2016, 481, 236-244.	9.4	36
11	A hollow visible-light-responsive surface molecularly imprinted polymer for the detection of chlorpyrifos in vegetables and fruits. <i>Food Chemistry</i> , 2021, 355, 129656.	8.2	35
12	Colorimetric test paper for cyanide ion determination in real-time. <i>Analytical Methods</i> , 2015, 7, 5239-5244.	2.7	32
13	Energy-saving and long-life electrochromic materials of naphthalene diimide-cored pyridinium salts. <i>Journal of Materials Chemistry C</i> , 2020, 8, 10031-10038.	5.5	31
14	Photoresponsive hollow molecularly imprinted polymer for trace triamterene in biological samples. <i>Materials Science and Engineering C</i> , 2017, 76, 568-578.	7.3	30
15	An amphiphilic and photoswitchable organocatalyst for the aldol reaction based on a product-imprinted polymer. <i>Molecular Catalysis</i> , 2017, 442, 115-125.	2.0	30
16	A colorimetric and fluorescent dual-channel cyanide ion probe using crosslinked polymer microspheres functionalized with protonated Brooker's merocyanine. <i>Dyes and Pigments</i> , 2015, 116, 82-88.	3.7	26
17	Preparation of a photoresponsive molecularly imprinted polymer containing fluorine-substituted azobenzene chromophores. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 100-107.	7.8	25
18	Synthesis of a New Bimetallic Re(I)-NCS-Pt(II) Complex as Chemodosimetric Ensemble for the Selective Detection of Mercapto-Containing Pesticides. <i>Analytical Chemistry</i> , 2015, 87, 6112-6118.	6.5	25

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19	Multi-colored electrochromic devices based on mixed mono- and bi-substituted 4,4'-bipyridine derivatives containing an ester group. <i>Journal of Applied Electrochemistry</i> , 2018, 48, 1121-1129.	2.9	25
20	Electrochromic 2,4,6-triphenyl-1,3,5-triazine based esters with electron donor-acceptor structure. <i>Organic Electronics</i> , 2019, 67, 302-310.	2.6	25
21	Electrochromic materials based on tetra-substituted viologen analogues with broad absorption and good cycling stability. <i>Solar Energy Materials and Solar Cells</i> , 2021, 223, 110968.	6.2	25
22	Synthesis and characterization of dual-colored electrochromic materials based on 4-(4-alkyl)-1,3,5-triazine-2-thione derivatives. <i>Journal of Applied Electrochemistry</i> , 2019, 49, 105-112.	5.2	24
23	Development of sensitive and selective food sensors using new Re(I)-Pt(II) bimetallic complexes to detect volatile biogenic sulfides formed by meat spoilage. <i>Food Chemistry</i> , 2017, 216, 382-389.	8.2	24
24	An NIR-light-responsive surface molecularly imprinted polymer for photoregulated drug release in aqueous solution through porcine tissue. <i>Materials Science and Engineering C</i> , 2020, 106, 110253.	7.3	24
25	AIE-active electrochromic materials based on tetraphenylethylene cored benzoates with high optical contrast and coloration efficiency. <i>Solar Energy Materials and Solar Cells</i> , 2020, 206, 110293.	6.2	23
26	Visible-Light-Responsive Surface Molecularly Imprinted Polymer for Acyclovir through Chicken Skin Tissue. <i>ACS Applied Bio Materials</i> , 2018, 1, 845-852.	4.6	22
27	A photoswitchable organocatalyst based on a catalyst-imprinted polymer containing azobenzene. <i>RSC Advances</i> , 2015, 5, 62539-62542.	3.6	21
28	Effects of substitution position on electrochemical, electrochromic, optical, and photoresponsive properties of azobenzenecarboxylic acid alkyl ester derivatives. <i>Organic Electronics</i> , 2016, 30, 200-206.	2.6	21
29	Photoresponsive molecularly imprinted hydrogel casting membrane for the determination of trace tetracycline in milk. <i>Journal of Molecular Recognition</i> , 2016, 29, 123-130.	2.1	20
30	Breakdown of plastic waste into economically valuable carbon resources: Rapid and effective chemical treatment of polyvinylchloride with the Fenton catalyst. <i>Polymer Degradation and Stability</i> , 2017, 146, 34-41.	5.8	19
31	A photoresponsive surface molecularly imprinted polymer shell for determination of trace griseofulvin in milk. <i>Materials Science and Engineering C</i> , 2018, 92, 365-373.	7.3	19
32	Novel dual-colored 1,1'-bis(4-alkyl-1,3,5-triazin-2-yl) cyclobutane with rapid electrochromic switching. <i>Electrochimica Acta</i> , 2018, 259, 986-993.	5.2	18
33	Double imprinted photoresponsive polymer for simultaneous detection of phthalate esters in plastics. <i>European Polymer Journal</i> , 2018, 108, 295-303.	5.4	18
34	Synthesis and characterisation of azobenzene-bridged cationic and neutral electrochromic materials. <i>Synthetic Metals</i> , 2016, 220, 147-154.	3.9	16
35	A molecular imprinting-based multifunctional chemosensor for phthalate esters. <i>Dyes and Pigments</i> , 2017, 137, 499-506.	3.7	16
36	Multicolored electrochromic and electrofluorochemical materials containing triphenylamine and benzoates. <i>New Journal of Chemistry</i> , 2020, 44, 16412-16420.	2.8	16

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37	Photoregulated uptake and release of drug by an organic-inorganic hybrid sol-gel material. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 59, 495-504.	2.4	15
38	A photoresponsive molecularly imprinted polymer with rapid visible-light-induced photoswitching for 4-ethylphenol in red wine. <i>Materials Science and Engineering C</i> , 2019, 96, 661-668.	7.3	15
39	The preparation and characterization of photo-responsive sol-gel materials for 2,4-dichlorophenoxyacetic acid by surface imprinting. <i>Journal of Sol-Gel Science and Technology</i> , 2013, 67, 442-450.	2.4	14
40	A Multifunctional Bimetallic Molecular Device for Ultrasensitive Detection, Naked-Eye Recognition, and Elimination of Cyanide Ions. <i>Chemistry - A European Journal</i> , 2015, 21, 12984-12990.	3.3	14
41	Photoresponsive Surface Molecularly Imprinted Polymers for the Detection of Profenofos in Tomato and Mangosteen. <i>Frontiers in Chemistry</i> , 2020, 8, 583036.	3.6	13
42	Engineering metallic MoS ₂ monolayers with responsive hydrogen evolution electrocatalytic activities for enzymatic reaction monitoring. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11056-11063.	10.3	13
43	Chemodosimetric analysis in food-safety monitoring: design, synthesis, and application of a bimetallic Re(<i>i</i>)-Pt(<i>ii</i>) complex for detection of dimethyl sulfide in foods. <i>Analyst</i> , The, 2014, 139, 4532-4537.	3.5	12
44	Synthesis and electrochromic properties of benzonitriles with various chemical structures. <i>Dyes and Pigments</i> , 2019, 171, 107783.	3.7	12
45	Catalytic Chemosensing Assay for Selective Detection of Methyl Parathion Organophosphate Pesticide. <i>Chemistry - A European Journal</i> , 2019, 25, 9643-9649.	3.3	12
46	Graphene-cyclodextrin-cytochrome c layered assembly with improved electron transfer rate and high supramolecular recognition capability. <i>Materials Science and Engineering C</i> , 2014, 39, 281-287.	7.3	11
47	A recyclable, fluorescent, and colorimetric sensor for fluoride anion in water using a crosslinked polymer functionalized with hydroxyl quinolinium. <i>RSC Advances</i> , 2015, 5, 3888-3893.	3.6	11
48	Catalyst displacement assay: a supramolecular approach for the design of smart latent catalysts for pollutant monitoring and removal. <i>Chemical Science</i> , 2017, 8, 3812-3820.	7.4	11
49	Preparation and evaluation of surface molecularly imprinted polymers as stationary phase columns for high performance liquid chromatography. <i>Analytical Methods</i> , 2016, 8, 7951-7958.	2.7	9
50	Dual-colored 4,4'-bis(2,4-dicyano-4-cyano-2-(cyclobutane-1,2,3,4-tetrayl)-tetrabenzoate electrochromic materials with large optical contrast and coloration efficiency. <i>New Journal of Chemistry</i> , 2019, 43, 13654-13661.	2.8	9
51	Photocontrolled extraction of uric acid from biological samples based on photoresponsive surface molecularly imprinted polymer microspheres. <i>Journal of Separation Science</i> , 2017, 40, 1396-1402.	2.5	8
52	Indicator/catalyst displacement assay: design of a latent catalyst for the selective detection and degradation of cyanide by Prussian blue analog-modified TiO ₂ nanoparticles. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8585-8592.	5.5	7
53	Catalyst + chemodosimeter as chemosensor: incorporation of catalytic functionality in an indicator displacement assay to realize reversible chemosensing detection. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5029-5035.	5.5	7
54	Star-shaped monosubstituted 2,6-diphenyl-4,4'-bipyridinium salts with good electrochromic switching stability. <i>Synthetic Metals</i> , 2020, 262, 116330.	3.9	6

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55	An environmentally friendly, photocontrollable and highly recyclable catalyst for use in a one-pot three-component Mannich reaction. <i>Journal of Molecular Catalysis A</i> , 2016, 421, 37-44.	4.8	5
56	Ester-functionalized pyrene derivatives: Effects of ester substituents on photophysical, electrochemical, electrochromic, and electrofluorochromic properties. <i>Dyes and Pigments</i> , 2022, 201, 110203.	3.7	5
57	Electrochromic materials containing pyridinium salt and benzoate moieties with dual-colored and long-life performance. <i>Solar Energy Materials and Solar Cells</i> , 2022, 240, 111712.	6.2	5
58	A novel turn-on fluorescent probe for Hg ²⁺ in water based on 8-hydroxyquinoline. <i>Analytical Methods</i> , 2014, 6, 7601-7605.	2.7	4
59	A bimetallic Re(I)-NCS-Pt(II) solid-support chemosensor for the selective detection of dimethyl sulfide in spoiled meat. <i>Sensors and Actuators B: Chemical</i> , 2018, 255, 2298-2305.	7.8	3
60	Waste-to-Energy: Production of Fuel Gases from Plastic Wastes. <i>Polymers</i> , 2021, 13, 3672.	4.5	3
61	Highly sensitive detection of Tb ³⁺ and ATP based on a novel asymmetric anthracene derivative. <i>Analytical Methods</i> , 2022, 14, 306-311.	2.7	3
62	Ester decorated 1,2,4,5-tetraphenylbenzene electrochromic materials with AEE activity, high optical contrast, fast response, and good cycling stability. <i>Dyes and Pigments</i> , 2022, 205, 110553.	3.7	3
63	Di(pyridinyl)aniline Derivatives with a Push-Pull Electronic Structure: Synthesis and Electrochromic Properties. <i>ChemistrySelect</i> , 2019, 4, 9232-9237.	1.5	2
64	Selective Detection of Methomyl Pesticide by a Catalytic Chemosensing Assay. <i>Chemistry - A European Journal</i> , 2020, 26, 14461-14466.	3.3	2
65	Electrochromic behavior of fac-tricarbonyl rhenium complexes. <i>New Journal of Chemistry</i> , 2022, 46, 1072-1079.	2.8	1
66	A visible-light-responsive molecularly imprinted polyurethane for specific detection of dibenzothiophene in gasoline. <i>Analytical Methods</i> , 2022, 14, 1254-1260.	2.7	0