Guangbo Che

List of Publications by Year
in descending order

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44 papers	1,070 citations	471509 17 h-index	434195 31 g-index
45 all docs	45 docs citations	45 times ranked	1249 citing authors

#	Article	IF	Citations
1	Nitrogen doped carbon ribbons modified g-C3N4 for markedly enhanced photocatalytic H2-production in visible to near-infrared region. Chemical Engineering Journal, 2020, 382, 122870.	12.7	169
2	Yeast-derived carbon sphere as a bridge of charge carriers towards to enhanced photocatalytic activity of 2D/2D Cu2WS4/g-C3N4 heterojunction. Journal of Colloid and Interface Science, 2019, 546, 262-275.	9.4	70
3	A visible-light-driven Z-scheme CdS/Bi12GeO20 heterostructure with enhanced photocatalytic degradation of various organics and the reduction of aqueous Cr(VI). Journal of Colloid and Interface Science, 2019, 543, 317-327.	9.4	67
4	Visible-light-driven Ag/Bi₃O₄Cl nanocomposite photocatalyst with enhanced photocatalytic activity for degradation of tetracycline. RSC Advances, 2018, 8, 37200-37207.	3.6	65
5	Visible-light-driven CQDs@MIL-125(Ti) nanocomposite photocatalyst with enhanced photocatalytic activity for the degradation of tetracycline. RSC Advances, 2019, 9, 33238-33245.	3.6	56
6	A Z-scheme visible-light-driven Ag/Ag₃PO₄/Bi₂MoO₆ photocatalyst: synthesis and enhanced photocatalytic activity. RSC Advances, 2015, 5, 104815-104821.	3.6	53
7	Recyclable Multifunctional Magnetic Mesoporous Silica Nanocomposite for Ratiometric Detection, Rapid Adsorption, and Efficient Removal of Hg(II). ACS Sustainable Chemistry and Engineering, 2018, 6, 1744-1752.	6.7	46
8	In situ growth of hierarchical bimetal-organic frameworks on nickel-iron foam as robust electrodes for the electrocatalytic oxygen evolution reaction. Journal of Colloid and Interface Science, 2022, 614, 532-537.	9.4	40
9	Precursor-reforming strategy induced g-C3N4 microtubes with spatial anisotropic charge separation established by conquering hydrogen bond for enhanced photocatalytic H2-production performance. Journal of Colloid and Interface Science, 2019, 547, 224-233.	9.4	37
10	Rapid and sensitive detection of enrofloxacin hydrochloride based on surface enhanced Raman scattering-active flexible membrane assemblies of Ag nanoparticles. Journal of Environmental Management, 2019, 249, 109387.	7.8	32
11	2-Hydroxynaphthalene based acylhydrazone as a turn-on fluorescent chemosensor for Al3+ detection and its real sample applications. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 248, 119269.	3.9	30
12	Synthesis, structures and properties of six lanthanide complexes based on a 2-(2-carboxyphenyl)imidazo(4,5-f)-(1,10)phenanthroline ligand. RSC Advances, 2019, 9, 3102-3112.	3.6	24
13	A series of metalâ€“organic frameworks constructed by a rigid-flexible 5-(bis(4-carboxybenzyl)amino)isophthalic acid: syntheses, crystal structures and physical properties. CrystEngComm, 2018, 20, 7782-7794.	2.6	23
14	Iodine ion doped bromo bismuth oxide modified bismuth germanate: A direct Z-scheme photocatalyst with enhanced visible-light photocatalytic performance. Journal of Colloid and Interface Science, 2019, 553, 186-196.	9.4	22
15	NIR-Absorbing Electron Acceptor Based on a Selenium-Heterocyclic Core Attaching to Phenylalkyl Side Chains for Polymer Solar Cells with 17.3% Efficiency. ACS Applied Materials & Interfaces, 2022, 14, 7082-7092.	8.0	22
16	Construction of novel Ag/HKUST-1/g-C₃N₄ towards enhanced photocatalytic activity for the degradation of pollutants under visible light. RSC Advances, 2019, 9, 41591-41602.	3.6	21
17	Dopantâ€Free Hole Transporting Molecules for Highly Efficient Perovskite Photovoltaic with Strong Interfacial Interaction. Solar Rrl, 2019, 3, 1900319.	5.8	20
18	Efficient Inverted Perovskite Solar Cells Enabled by Dopant-Free Hole-Transporting Materials Based on Dibenzofulvene-Bridged Indacenodithiophene Core Attaching Varying Alkyl Chains. ACS Applied Materials & Interfaces, 2021, 13, 13254-13263.	8.0	19

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19	Visible Light-Driven Dâ€“A Conjugated Linear Polymer and Its Coating for Dual Highly Efficient Photocatalytic Degradation and Disinfection. ACS Applied Materials & Interfaces, 2021, 13, 51447-51458.	8.0	19
20	Triisopropylsilylethynyl substituted benzodithiophene copolymers: synthesis, properties and photovoltaic characterization. Journal of Materials Chemistry C, 2015, 3, 1595-1603.	5.5	17
21	A fused-ring non-fullerene acceptor based on a benzo[1,2-b:4,5-bâ€²]dithiophene central core with a thieno[3,2-b]thiophene side-chain for highly efficient organic solar cells. Journal of Materials Chemistry A, 2019, 7, 10905-10911.	10.3	16
22	Hydrophilic modification of PVDF-based SERS imprinted membrane for the selective detection of L-tyrosine. Journal of Environmental Management, 2022, 304, 114260.	7.8	16
23	A visible-light-driven 3D Z-scheme photocatalyst by loading BiOI nanosheets onto g-C3N4 microtubes for efficient degradation of tetracycline and p-chlorophenol. Journal of Materials Science, 2021, 56, 5555-5569.	3.7	15
24	Ni2P QDs decorated in the multi-shelled CaTiO3 cube for creating inter-shelled channel active sites to boost photocatalytic performance. Journal of Colloid and Interface Science, 2021, 584, 332-343.	9.4	14
25	A fluorescent molecularly imprinted polymer sensor synthesized by atom transfer radical precipitation polymerization for determination of ultra trace fenvalerate in the environment. RSC Advances, 2016, 6, 81346-81353.	3.6	13
26	Supramolecular helical nanofibers formed by an achiral monopyrrolotetrathiafulvalene derivative: water-triggered gelation and chiral evolution. New Journal of Chemistry, 2017, 41, 11060-11068.	2.8	13
27	Hydrophobic-force-driven adsorption of bisphenol A from aqueous solution by polyethylene glycol diacrylate hydrogel microsphere. Environmental Science and Pollution Research, 2019, 26, 22362-22371.	5.3	13
28	Constructing porous intramolecular donorâ€“acceptor integrated carbon nitride doped with m-aminophenol for boosting photocatalytic degradation and hydrogen evolution activity. Catalysis Science and Technology, 2022, 12, 4591-4604.	4.1	13
29	Self-photoreduced Ag⁰-doped Ag(<scp>i</scp>)â€“organic frameworks with efficient visible-light-driven photocatalytic performance. CrystEngComm, 2021, 23, 7496-7501.	2.6	11
30	Facile construction of an Ag0-doped Ag(i)-based coordination polymer via a self-photoreduction strategy for enhanced visible light driven photocatalysis. CrystEngComm, 2021, 23, 5397-5402.	2.6	11
31	High-sensitive molecularly imprinted sensor with multilayer nanocomposite for 2,6-dichlorophenol detection based on surface-enhanced Raman scattering. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117784.	3.9	10
32	Vanadium Nitride/Carbon Nanotube Vertical Nanoarrays on Iron Foam for Oxygen Evolution Reaction. ACS Applied Nano Materials, 2022, 5, 7714-7722.	5.0	10
33	A novel fluorescent functional monomer as the recognition element in coreâ€“shell imprinted sensors responding to concentration of 2,4,6-trichlorophenol. RSC Advances, 2018, 8, 6083-6089.	3.6	8
34	Construction of MOF-shell porous materials and performance studies in the selective adsorption and separation of benzene pollutants. Dalton Transactions, 2021, 50, 9076-9087.	3.3	8
35	Facile Synthesis of a Polycatenane Compound Based on Ag-triazole Complexes and Phosphomolybdic Acid for the Catalytic Epoxidation of Olefins with Molecular Oxygen. Catalysts, 2019, 9, 568.	3.5	7
36	Multifunction Sandwich Composite SERS Imprinted Sensor Based on ZnO/GO/Ag for Selective Detection of Cyfluthrin in River. ChemistrySelect, 2020, 5, 6475-6481.	1.5	7

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37	Experimental study on the explosion characteristics of hydrogen-methane premixed gas in complex pipe networks. Scientific Reports, 2021, 11, 21204.	3.3	7
38	Hydrothermal syntheses, structural characterization, and photoluminescent properties of five lanthanide coordination polymers. Journal of Coordination Chemistry, 2012, 65, 4185-4193.	2.2	6
39	Constructing urchin-like Ni₃S₂@Ni₃B on Ni plate as a highly efficient bifunctional electrocatalyst for water splitting reaction. Nanoscale, 2021, 13, 17953-17960.	5.6	6
40	A tetrathiafulvaleneâ€“<scp>l</scp>-glutamine conjugated derivative as a supramolecular gelator for embedded C₆₀ and absorbed rhodamine B. New Journal of Chemistry, 2020, 44, 14151-14160.	2.8	4
41	Synthesis of 1-aryl- benzocycloalkane derivatives via one-pot two-step reaction of benzocyclonone, tosylhydrazide, and arylboronic acid. Synthetic Communications, 2019, 49, 942-949.	2.1	3
42	A layered Mn-based coordination polymer as an efficient heterogeneous catalyst for CO₂ cycloaddition under mild conditions. CrystEngComm, 2022, 24, 4527-4533.	2.6	3
43	Synthesis, crystal structure and photocatalytic property of a porphyrin-based coordination polymer. Inorganic and Nano-Metal Chemistry, 2021, 51, 1029-1035.	1.6	2
44	Construction of a hydroxide responsive C₃-symmetric supramolecular gel for controlled release of small molecules. Soft Matter, 2021, 17, 7227-7235.	2.7	2