

Cong Zhang

List of Publications by Year in descending order

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52
papers

2,557
citations

257450

24
h-index

189892

50
g-index

53
all docs

53
docs citations

53
times ranked

3549
citing authors

#	ARTICLE	IF	CITATIONS
1	Stabilization of nanoscale zero-valent iron (nZVI) with modified biochar for Cr(VI) removal from aqueous solution. <i>Journal of Hazardous Materials</i> , 2017, 332, 79-86.	12.4	497
2	High-efficiency Perovskite Solar Cells with Imidazolium-Based Ionic Liquid for Surface Passivation and Charge Transport. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4238-4244.	13.8	221
3	The interactions between nanoscale zero-valent iron and microbes in the subsurface environment: A review. <i>Journal of Hazardous Materials</i> , 2017, 321, 390-407.	12.4	207
4	Factors influencing degradation of trichloroethylene by sulfide-modified nanoscale zero-valent iron in aqueous solution. <i>Water Research</i> , 2018, 135, 1-10.	11.3	195
5	Removal of tetracycline by Fe/Ni bimetallic nanoparticles in aqueous solution. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 117-125.	9.4	127
6	Physicochemical transformation of Fe/Ni bimetallic nanoparticles during aging in simulated groundwater and the consequent effect on contaminant removal. <i>Water Research</i> , 2018, 129, 51-57.	11.3	94
7	27% Efficiency Four-Terminal Perovskite/Silicon Tandem Solar Cells by Sandwiched Gold Nanomesh. <i>Advanced Functional Materials</i> , 2020, 30, 1908298.	14.9	91
8	Recent Progress of Wearable Piezoelectric Nanogenerators. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2449-2467.	4.3	88
9	Effect of rhamnolipid biosurfactant on solubilization of polycyclic aromatic hydrocarbons. <i>Marine Pollution Bulletin</i> , 2015, 101, 219-225.	5.0	65
10	Facile fabrication of Pt-Ag bimetallic nanoparticles decorated reduced graphene oxide for highly sensitive non-enzymatic hydrogen peroxide sensing. <i>Talanta</i> , 2016, 159, 280-286.	5.5	62
11	The comparison of Se(IV) and Se(VI) sequestration by nanoscale zero-valent iron in aqueous solutions: The roles of solution chemistry. <i>Journal of Hazardous Materials</i> , 2017, 338, 306-312.	12.4	57
12	Dual-function amperometric sensors based on poly(diallyldimethylammonium chloride)-functionalized reduced graphene oxide/manganese dioxide/gold nanoparticles nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 663-673.	7.8	55
13	Preparation of Nano Au and Pt Alloy Microspheres Decorated with Reduced Graphene Oxide for Nonenzymatic Hydrogen Peroxide Sensing. <i>Langmuir</i> , 2018, 34, 2235-2244.	3.5	55
14	Nano-assemblies consisting of Pd/Pt nanodendrites and poly (diallyldimethylammonium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (c Materials Science and Engineering C, 2016, 58, 1246-1254.	7.3	44
15	Facile synthesis of novel spherical covalent organic frameworks integrated with Pt nanoparticles and multiwalled carbon nanotubes as electrochemical probe for tanshinol drug detection. <i>Chemical Engineering Journal</i> , 2020, 401, 126025.	12.7	43
16	Facile fabrication of a 3,4,9,10-perylene tetracarboxylic acid functionalized graphene "multiwalled carbon nanotube" gold nanoparticle nanocomposite for highly sensitive and selective electrochemical detection of dopamine. <i>Analyst, The</i> , 2018, 143, 3075-3084.	3.5	42
17	Electrochemical Synthesis of Polypyrrole, Reduced Graphene Oxide, and Gold Nanoparticles Composite and Its Application to Hydrogen Peroxide Biosensor. <i>Nanomaterials</i> , 2016, 6, 220.	4.1	38
18	Trimetallic AuPtPd nanocomposites platform on graphene: Applied to electrochemical detection and breast cancer diagnosis. <i>Talanta</i> , 2018, 189, 79-85.	5.5	37

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19	Highly-ordered perpendicularly immobilized FWCNTs on the thionine monolayer-modified electrode for hydrogen peroxide and glucose sensors. <i>Biosensors and Bioelectronics</i> , 2015, 64, 477-484.	10.1	34
20	An ultra-sensitive Au nanoparticles functionalized DNA biosensor for electrochemical sensing of mercury ions. <i>Materials Science and Engineering C</i> , 2017, 75, 175-181.	7.3	33
21	MOF-derived porous ZnO-Co ₃ O ₄ nanocages as peroxidase mimics for colorimetric detection of copper(II) ions in serum. <i>Analyst</i> , 2021, 146, 605-611.	3.5	32
22	A ratiometric electrochemiluminescent biosensor for Con A detecting based on competition of dissolved oxygen. <i>Biosensors and Bioelectronics</i> , 2018, 120, 40-46.	10.1	29
23	Synthesis of Pb nanowires-Au nanoparticles nanostructure decorated with reduced graphene oxide for electrochemical sensing. <i>Talanta</i> , 2017, 165, 604-611.	5.5	26
24	Layer-by-Layer Self-Assembling Gold Nanorods and Glucose Oxidase onto Carbon Nanotubes Functionalized Sol-Gel Matrix for an Amperometric Glucose Biosensor. <i>Nanomaterials</i> , 2015, 5, 1544-1555.	4.1	25
25	Colorimetric determination of amyloid- β peptide using MOF-derived nanozyme based on porous ZnO-Co ₃ O ₄ nanocages. <i>Mikrochimica Acta</i> , 2021, 188, 56.	5.0	25
26	One step electrodeposition of dendritic gold nanostructures on β -lactoglobulin-functionalized reduced graphene oxide for glucose sensing. <i>Talanta</i> , 2015, 144, 823-829.	5.5	22
27	A modeling study of the characteristics and mechanism of the westward coastal current during summer in the northwestern South China Sea. <i>Ocean Science Journal</i> , 2017, 52, 11-30.	1.3	22
28	A novel catalase mimicking nanocomposite of Mn(II)-poly-L-histidine-carboxylated multi walled carbon nanotubes and the application to hydrogen peroxide sensing. <i>Analytical Biochemistry</i> , 2019, 567, 51-62.	2.4	22
29	An ultrasensitive signal-on electrochemiluminescence biosensor based on Au nanoclusters for detecting acetylthiocholine. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 905-913.	3.7	22
30	Fabrication of hollow ZnO-Co ₃ O ₄ nanocomposite derived from bimetallic-organic frameworks capped with Pd nanoparticles and MWCNTs for highly sensitive detection of tanshinol drug. <i>Materials Science and Engineering C</i> , 2020, 108, 110214.	7.3	22
31	Simple non-enzymatic electrochemical sensor for hydrogen peroxide based on nafion/platinum nanoparticles/reduced graphene oxide nanocomposite modified glassy carbon electrode. <i>Ionics</i> , 2017, 23, 1309-1317.	2.4	20
32	Axial-symmetric conjugated group promoting intramolecular charge transfer performances of triphenylamine sensitizers for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2020, 174, 108029.	3.7	19
33	Efficient and selective electrochemical reduction of CO ₂ to formate on 3D porous structured multi-walled carbon nanotubes supported Pb nanoparticles. <i>Materials Chemistry and Physics</i> , 2019, 237, 121826.	4.0	17
34	A Zr-cluster based thermostable, self-healing and adaptive metallogel with chromogenic properties responds to multiple stimuli with reversible radical interaction. <i>Chemical Communications</i> , 2020, 56, 2439-2442.	4.1	17
35	A simple immunosensor for alpha-fetoprotein determination based on gold nanoparticles-dextran-reduced graphene oxide. <i>Journal of Electroanalytical Chemistry</i> , 2019, 833, 126-132.	3.8	15
36	High-Efficiency Perovskite Solar Cells with Imidazolium-Based Ionic Liquid for Surface Passivation and Charge Transport. <i>Angewandte Chemie</i> , 2021, 133, 4284-4290.	2.0	14

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37	An array of poly-l-histidine functionalized multi-walled carbon nanotubes on 4-aminothiophenol self-assembled monolayer and the application for sensitively glucose sensing. <i>Electrochimica Acta</i> , 2017, 258, 988-997.	5.2	12
38	An electrochemiluminescence biosensor for the detection of soybean agglutinin based on carboxylated graphitic carbon nitride as luminophore. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6049-6056.	3.7	11
39	ECL Biosensor for Sensitive Detection of Soybean Agglutinin Based on AuPt@C ₆₀ Nanoflowers Enhanced N-(aminobutyl)-N-(ethylisoluminol). <i>Journal of the Electrochemical Society</i> , 2019, 166, B49-B55.	2.9	11
40	Robust Beamforming and Jamming for Secure AF Relay Networks with Multiple Eavesdroppers. , 2014, , .		9
41	One-step electrodeposition of poly (3,4-ethylenedioxythiophene) on carboxylated multi-wall carbon nanotubes and its application in ascorbic acid sensing. <i>Journal of Electroanalytical Chemistry</i> , 2016, 782, 84-90.	3.8	9
42	Facile Synthesis of Î²-Lactoglobulin-Functionalized Reduced Graphene Oxide and Trimetallic PtAuPd Nanocomposite for Electrochemical Sensing. <i>Nanomaterials</i> , 2018, 8, 724.	4.1	9
43	MOF-derived porous Co ₃ O ₄ coupled with AuNPs and nucleic acids as electrocatalysis signal probe for sensitive electrochemical aptasensing of adenosine triphosphate. <i>Sensors and Actuators B: Chemical</i> , 2022, 362, 131753.	7.8	9
44	A ratiometric electrochemiluminescent immunoassay for calcitonin by using N-(aminobutyl)-N-(ethylisoluminol) and graphite-like carbon nitride. <i>Mikrochimica Acta</i> , 2019, 186, 771.	5.0	8
45	Electrochemical Detection of Superoxide Anion Released by Living Cells by Manganese(III) Tetraphenyl Porphine as Superoxide Dismutase Mimic. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 774-780.	2.6	8
46	One-step synthesis of Polyvinylpyrrolidone-reduced graphene oxide-Pd nanoparticles for electrochemical sensing. <i>Journal of Materials Science</i> , 2016, 51, 6497-6508.	3.7	7
47	POMs as Active Center for Sensitively Electrochemical Detection of Bisphenol A and Acetaminophen. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 592-597.	2.6	7
48	Highly Stable Nonhydroxyl Antisolvent Polymer Dielectric: A New Strategy towards High-Performance Low-Temperature Solution-Processed Ultraflexible Organic Transistors for Skin-Inspired Electronics. <i>Research</i> , 2021, 2021, 9897353.	5.7	7
49	High-Performance Inverted Perovskite Solar Cells by Reducing Electron Capture Region for Electron Transport Layers. <i>Solar Rrl</i> , 2019, 3, 1900207.	5.8	6
50	Highly sensitive detection of salvianic acid a drug by a novel electrochemical sensor based on HKUST-1 loaded on three-dimensional graphene-MWCNT composite. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 206, 114389.	2.8	5
51	Facile synthesis of nickel phosphate nanorods as biomimetic enzyme with excellent electrocatalytic activity for highly sensitive detection of superoxide anion released from living cells. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 212, 114653.	2.8	3
52	Secure Beamforming Design in Wiretap MISO Interference Channels. , 2015, , .		2