Cong Zhang

List of Publications by Year
in descending order

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52	2,557	257450 24	189892 50
papers	citations	h-index	g-index

53	53	53	3549
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Facile synthesis of nickel phosphate nanorods as biomimetic enzyme with excellent electrocatalytic activity for highly sensitive detection of superoxide anion released from living cells. Journal of Pharmaceutical and Biomedical Analysis, 2022, 212, 114653.	2.8	3
2	MOF-derived porous Co3O4 coupled with AuNPs and nucleic acids as electrocatalysis signal probe for sensitive electrochemical aptasensing of adenosine triphosphate. Sensors and Actuators B: Chemical, 2022, 362, 131753.	7.8	9
3	Highâ€Efficiency Perovskite Solar Cells with Imidazoliumâ€Based Ionic Liquid for Surface Passivation and Charge Transport. Angewandte Chemie - International Edition, 2021, 60, 4238-4244.	13.8	221
4	MOF-derived porous ZnO-Co₃O₄ nanocages as peroxidase mimics for colorimetric detection of copper(<scp>ii</scp>) ions in serum. Analyst, The, 2021, 146, 605-611.	3.5	32
5	Highâ€Efficiency Perovskite Solar Cells with Imidazoliumâ€Based Ionic Liquid for Surface Passivation and Charge Transport. Angewandte Chemie, 2021, 133, 4284-4290.	2.0	14
6	Colorimetric determination of amyloid-Î² peptide using MOF-derived nanozyme based on porous ZnO-Co3O4 nanocages. Mikrochimica Acta, 2021, 188, 56.	5.0	25
7	Recent Progress of Wearable Piezoelectric Nanogenerators. ACS Applied Electronic Materials, 2021, 3, 2449-2467.	4.3	88
8	Highly sensitive detection of salvianic acid a drug by a novel electrochemical sensor based on HKUST-1 loaded on three-dimensional graphene-MWCNT composite. Journal of Pharmaceutical and Biomedical Analysis, 2021, 206, 114389.	2.8	5
9	Highly Stable Nonhydroxyl Antisolvent Polymer Dielectric: A New Strategy towards High-Performance Low-Temperature Solution-Processed Ultraflexible Organic Transistors for Skin-Inspired Electronics. Research, 2021, 2021, 9897353.	5.7	7
10	Axial-symmetric conjugated group promoting intramolecular charge transfer performances of triphenylamine sensitizers for dye-sensitized solar cells. Dyes and Pigments, 2020, 174, 108029.	3.7	19
11	27%â€Efficiency Fourâ€Terminal Perovskite/Silicon Tandem Solar Cells by Sandwiched Gold Nanomesh. Advanced Functional Materials, 2020, 30, 1908298.	14.9	91
12	Fabrication of hollow ZnO-Co3O4 nanocomposite derived from bimetallic-organic frameworks capped with Pd nanoparticles and MWCNTs for highly sensitive detection of tanshinol drug. Materials Science and Engineering C, 2020, 108, 110214.	7.3	22
13	Electrochemical Detection of Superoxide Anion Released by Living Cells by Manganese(III) Tetraphenyl Porphine as Superoxide Dismutase Mimic. Chemical Research in Chinese Universities, 2020, 36, 774-780.	2.6	8
14	Facile synthesis of novel spherical covalent organic frameworks integrated with Pt nanoparticles and multiwalled carbon nanotubes as electrochemical probe for tanshinol drug detection. Chemical Engineering Journal, 2020, 401, 126025.	12.7	43
15	A Zr-cluster based thermostable, self-healing and adaptive metallogel with chromogenic properties responds to multiple stimuli with reversible radical interaction. Chemical Communications, 2020, 56, 2439-2442.	4.1	17
16	An electrochemiluminescence biosensor for the detection of soybean agglutinin based on carboxylated graphitic carbon nitride as luminophore. Analytical and Bioanalytical Chemistry, 2019, 411, 6049-6056.	3.7	11
17	Efficient and selective electrochemical reduction of CO2 to formate on 3D porous structured multi-walled carbon nanotubes supported Pb nanoparticles. Materials Chemistry and Physics, 2019, 237, 121826.	4.0	17
18	POMs as Active Center for Sensitively Electrochemical Detection of Bisphenol A and Acetaminophen. Chemical Research in Chinese Universities, 2019, 35, 592-597.	2.6	7

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19	A ratiometric electrochemiluminescent immunoassay for calcitonin by using N-(aminobutyl)-N-(ethylisoluminol) and graphite-like carbon nitride. Mikrochimica Acta, 2019, 186, 771.	5.0	8
20	ECL Biosensor for Sensitive Detection of Soybean Agglutinin Based on AuPt@C₆₀ Nanoflowers Enhanced N-(aminobutyl)-N-(ethylisoluminol). Journal of the Electrochemical Society, 2019, 166, B49-B55.	2.9	11
21	Highâ€Performance Inverted Perovskite Solar Cells by Reducing Electron Capture Region for Electron Transport Layers. Solar Rrl, 2019, 3, 1900207.	5.8	6
22	A novel catalase mimicking nanocomposite of Mn(II)-poly-L-histidine-carboxylated multi walled carbon nanotubes and the application to hydrogen peroxide sensing. Analytical Biochemistry, 2019, 567, 51-62.	2.4	22
23	An ultrasensitive signal-on electrochemiluminescence biosensor based on Au nanoclusters for detecting acetylthiocholine. Analytical and Bioanalytical Chemistry, 2019, 411, 905-913.	3.7	22
24	A simple immunosensor for alpha-fetoprotein determination based on gold nanoparticles-dextran-reduced graphene oxide. Journal of Electroanalytical Chemistry, 2019, 833, 126-132.	3.8	15
25	Preparation of Nano Au and Pt Alloy Microspheres Decorated with Reduced Graphene Oxide for Nonenzymatic Hydrogen Peroxide Sensing. Langmuir, 2018, 34, 2235-2244.	3.5	55
26	Factors influencing degradation of trichloroethylene by sulfide-modified nanoscale zero-valent iron in aqueous solution. Water Research, 2018, 135, 1-10.	11.3	195
27	Physicochemical transformation of Fe/Ni bimetallic nanoparticles during aging in simulated groundwater and the consequent effect on contaminant removal. Water Research, 2018, 129, 51-57.	11.3	94
28	Removal of tetracycline by Fe/Ni bimetallic nanoparticles in aqueous solution. Journal of Colloid and Interface Science, 2018, 513, 117-125.	9.4	127
29	Facile Synthesis of Î²-Lactoglobulin-Functionalized Reduced Graphene Oxide and Trimetallic PtAuPd Nanocomposite for Electrochemical Sensing. Nanomaterials, 2018, 8, 724.	4.1	9
30	Trimetallic AuPtPd nanocomposites platform on graphene: Applied to electrochemical detection and breast cancer diagnosis. Talanta, 2018, 189, 79-85.	5.5	37
31	A ratiometric electrochemiluminescent biosensor for Con A detecting based on competition of dissolved oxygen. Biosensors and Bioelectronics, 2018, 120, 40-46.	10.1	29
32	Facile fabrication of a 3,4,9,10-perylene tetracarboxylic acid functionalized grapheneâ€“multiwalled carbon nanotubeâ€“gold nanoparticle nanocomposite for highly sensitive and selective electrochemical detection of dopamine. Analyst, The, 2018, 143, 3075-3084.	3.5	42
33	Simple non-enzymatic electrochemical sensor for hydrogen peroxide based on nafion/platinum nanoparticles/reduced graphene oxide nanocomposite modified glassy carbon electrode. Ionics, 2017, 23, 1309-1317.	2.4	20
34	Synthesis of Pb nanowires-Au nanoparticles nanostructure decorated with reduced graphene oxide for electrochemical sensing. Talanta, 2017, 165, 604-611.	5.5	26
35	An ultra-sensitive Au nanoparticles functionalized DNA biosensor for electrochemical sensing of mercury ions. Materials Science and Engineering C, 2017, 75, 175-181.	7.3	33
36	Stabilization of nanoscale zero-valent iron (nZVI) with modified biochar for Cr(VI) removal from aqueous solution. Journal of Hazardous Materials, 2017, 332, 79-86.	12.4	497

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37	A modeling study of the characteristics and mechanism of the westward coastal current during summer in the northwestern South China Sea. Ocean Science Journal, 2017, 52, 11-30.	1.3	22
38	An array of poly-l-histidine functionalized multi-walled carbon nanotubes on 4-aminothiophenol self-assembled monolayer and the application for sensitively glucose sensing. Electrochimica Acta, 2017, 258, 988-997.	5.2	12
39	The interactions between nanoscale zero-valent iron and microbes in the subsurface environment: A review. Journal of Hazardous Materials, 2017, 321, 390-407.	12.4	207
40	The comparison of Se(IV) and Se(VI) sequestration by nanoscale zero-valent iron in aqueous solutions: The roles of solution chemistry. Journal of Hazardous Materials, 2017, 338, 306-312.	12.4	57
41	Electrochemical Synthesis of Polypyrrole, Reduced Graphene Oxide, and Gold Nanoparticles Composite and Its Application to Hydrogen Peroxide Biosensor. Nanomaterials, 2016, 6, 220.	4.1	38
42	One-step electrodeposition of poly (3,4-ethylenedioxythiophene) on carboxylated multi-wall carbon nanotubes and its application in ascorbic acid sensing. Journal of Electroanalytical Chemistry, 2016, 782, 84-90.	3.8	9
43	One-step synthesis of Polyvinylpyrrolidone-reduced graphene oxide-Pd nanoparticles for electrochemical sensing. Journal of Materials Science, 2016, 51, 6497-6508.	3.7	7
44	Facile fabrication of Pt-Ag bimetallic nanoparticles decorated reduced graphene oxide for highly sensitive non-enzymatic hydrogen peroxide sensing. Talanta, 2016, 159, 280-286.	5.5	62
45	Nano-assemblies consisting of Pd/Pt nanodendrites and poly (diallyldimethylammonium) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 Materials Science and Engineering C, 2016, 58, 1246-1254.	7.3	44
46	Dual-function amperometric sensors based on poly(diallydimethylammoniun chloride)-functionalized reduced graphene oxide/manganese dioxide/gold nanoparticles nanocomposite. Sensors and Actuators B: Chemical, 2016, 222, 663-673.	7.8	55
47	Layer-by-Layer Self-Assembling Gold Nanorods and Glucose Oxidase onto Carbon Nanotubes Functionalized Sol-Gel Matrix for an Amperometric Glucose Biosensor. Nanomaterials, 2015, 5, 1544-1555.	4.1	25
48	Effect of rhamnolipid biosurfactant on solubilization of polycyclic aromatic hydrocarbons. Marine Pollution Bulletin, 2015, 101, 219-225.	5.0	65
49	One step electrodeposition of dendritic gold nanostructures on Î²-lactoglobulin-functionalized reduced graphene oxide for glucose sensing. Talanta, 2015, 144, 823-829.	5.5	22
50	Secure Beamforming Design in Wiretap MISO Interference Channels. , 2015, , .		2
51	Highly-ordered perpendicularly immobilized FWCNTs on the thionine monolayer-modified electrode for hydrogen peroxide and glucose sensors. Biosensors and Bioelectronics, 2015, 64, 477-484.	10.1	34
52	Robust Beamforming and Jamming for Secure AF Relay Networks with Multiple Eavesdroppers. , 2014, , .		9