Gangbing Zhu

List of Publications by Year
in descending order

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62	2,045	230014	274796
papers	citations	27	44
		h-index	g-index

62	62	62	2658
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent developments in electrochemical detection of cadmium. Trends in Environmental Analytical Chemistry, 2022, 33, e00152.	5.3	33
2	N and P co-doped MXenes nanoribbons for electrodeposition-free stripping analysis of Cu(II) and Hg(II). Journal of Hazardous Materials, 2022, 425, 127974.	6.5	27
3	Innovative strategy based on novel Ti3C2Tx MXenes nanoribbons/carbon nanotubes hybrids for anodic stripping voltammetry sensing of mercury ion. Sensors and Actuators B: Chemical, 2022, 355, 131247.	4.0	27
4	Highly sensitive electrochemical detection of paraoxon ethyl in water and fruit samples based on defect-engineered graphene nanoribbons modified electrode. Journal of Food Measurement and Characterization, 2022, 16, 2596-2603.	1.6	8
5	Î²-Cyclodextrin functionalized molybdenum disulfide quantum dots as nanoprobe for sensitive fluorescent detection of parathion-methyl. Talanta, 2021, 222, 121703.	2.9	32
6	Fluorescent and Colorimetric Dual-signal Enantiomers Recognition via Enzyme Catalysis: The Case of Glucose Enantiomers Using Nitrogen-doped Silicon Quantum Dots/Silver Probe Coupled with Î²-D-Glucose Oxidase. Analytical Sciences, 2021, 37, 275-281.	0.8	3
7	Electrochemical sensing of phenolics based on copper/cobalt/nitrogen co-doped hollow nanocarbon spheres. Journal of Electroanalytical Chemistry, 2021, 892, 115263.	1.9	7
8	Fluorescent nitrogen-doped Ti3C2 MXene quantum dots as a unique â€œon-off-onâ€•nanoprobe for chrominum (VI) and ascorbic acid based on inner filter effect. Sensors and Actuators B: Chemical, 2021, 342, 130074.	4.0	44
9	Novel methodology for anodic stripping voltammetric sensing of heavy-metal ions using Ti₃C₂T_x nanoribbons. Chemical Communications, 2021, 57, 7790-7793.	2.2	33
10	Free-electrodeposited anodic stripping voltammetry sensing of Cu(II) based on Ti3C2Tx MXene/carbon black. Mikrochimica Acta, 2021, 188, 377.	2.5	18
11	Simultaneous electrochemical sensing of 1-chloro-4-nitrobenzene and N-(4-hydroxyphenyl) acetamide based on nitrogen-doped carbon black. Microchemical Journal, 2020, 159, 105346.	2.3	7
12	3-Aminobenzeneboronic Acid Functionalized MoS₂ Quantum Dot as Fluorescent Nanoprobe for the Determination of o-Dihydroxybenzene. Analytical Sciences, 2020, 36, 1203-1209.	0.8	1
13	Electrochemical Chiral Recognition for a Complex System Based on Specific Enzymatic Reactions. Journal of the Electrochemical Society, 2020, 167, 027523.	1.3	5
14	Nitrogen-Doped Carbon Black/Reduced Graphene Oxide Nanohybrids for Simultaneous Electrochemical Determination of Hydroquinone and Paracetamol. Journal of the Electrochemical Society, 2020, 167, 066510.	1.3	16
15	One-Step Green Preparation of N-Doped Silicon Quantum Dots for the on-off Fluorescent Determination of Hydrogen Peroxide. Analytical Letters, 2020, 53, 1834-1849.	1.0	10
16	Nitrogen Coordinated Copper Co-Doped Multi-Walled Carbon Nanotubes for High-Efficiency Electrochemical Sensing of Bisphenol A. Journal of the Electrochemical Society, 2020, 167, 146515.	1.3	1
17	A double-signal nanoprobe based on molybdenum disulfide quantum dots/manganese dioxide nanosheets for glutathione detection. Microchemical Journal, 2019, 150, 104149.	2.3	18
18	Highly sensitive electrochemical sensing of para-chloronitrobenzene using a carbon nanohornâ€“nanotube hybrid modified electrode. Analytical Methods, 2019, 11, 1125-1130.	1.3	20

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19	Electrochemically Recognizing Tryptophan Enantiomers based on Carbon Black/Poly-l-Cysteine Modified Electrode. Journal of the Electrochemical Society, 2019, 166, B1226-B1231.	1.3	26
20	Nitrogen-doped hollow carbon nanospheres wrapped with MoS2 nanosheets for simultaneous electrochemical determination of acetaminophen and 4-aminophenol. Journal of Electroanalytical Chemistry, 2019, 847, 113229.	1.9	47
21	Electrochemical recognition of tryptophan enantiomers using a multi-walled carbon nanotube@polydopamine composite loaded with copper(II). Mikrochimica Acta, 2019, 186, 358.	2.5	24
22	Bifunctional silicon quantum dots sensing platform for selective and sensitive detection of p-dihydroxybenzene with double signals. Microchemical Journal, 2019, 147, 245-252.	2.3	16
23	Reviewâ€"Recent Advances in Electrochemical Chiral Recognition. Journal of the Electrochemical Society, 2019, 166, H205-H217.	1.3	69
24	Highly sensitive and selective â€œoff-onâ€•fluorescent sensing platform for ClOâ^' in water based on silicon quantum dots coupled with nanosilver. Analytical and Bioanalytical Chemistry, 2019, 411, 1561-1568.	1.9	34
25	Dual-Signal Electrochemical Enantiospecific Recognition System via Competitive Supramolecular Hostâ€"Guest Interactions: The Case of Phenylalanine. Analytical Chemistry, 2019, 91, 2908-2915.	3.2	101
26	Silicon quantum dot-coated onto gold nanoparticles as an optical probe for colorimetric and fluorometric determination of cysteine. Mikrochimica Acta, 2019, 186, 98.	2.5	38
27	Electrochemical sensing of 4-nitrochlorobenzene based on carbon nanohorns/graphene oxide nanohybrids. Biosensors and Bioelectronics, 2018, 106, 136-141.	5.3	56
28	An ultrasensitive competitive immunosensor using silica nanoparticles as an enzyme carrier for simultaneous impedimetric detection of tetrabromobisphenol A bis(2-hydroxyethyl) ether and tetrabromobisphenol A mono(hydroxyethyl) ether. Biosensors and Bioelectronics, 2018, 105, 77-80.	5.3	26
29	Electrochemical sensing for 1-chloro-4-nitrobenzene based on Î²-cyclodextrin/carbon nanohorn nanohybrids. Analytical Methods, 2018, 10, 5372-5379.	1.3	14
30	Carbon Spheres Wrapped with Molybdenum Disulfide Nanostructure for Sensitive Electrochemical Sensing of 4-aminophenol. Journal of the Electrochemical Society, 2018, 165, B491-B497.	1.3	25
31	Voltammetric determination of o-chlorophenol using Î²-cyclodextrin/graphene nanoribbon hybrids modified electrode. Journal of Electroanalytical Chemistry, 2017, 794, 126-131.	1.9	13
32	Gold Nanoparticles Decorated Graphene/Hollow Carbon Nanospheres Hybrids: Synthesis and Application in Voltammetric Sensing ofp-Hydroxyaniline. Journal of the Electrochemical Society, 2017, 164, B651-B656.	1.3	4
33	Perylenetetracarboxylic acid noncovalently functionalizes carbon nanohorn nanohybrids for electrochemical sensing of 4,4â€²-diaminobiphenyl. Journal of Electroanalytical Chemistry, 2017, 801, 38-42.	1.9	13
34	Enhanced Electrochemical Sensing Based on Perylenetetracarboxylic Acid Functionalized Carbon Nanohorns Hybrids Modified Electrode. Journal of the Electrochemical Society, 2017, 164, H545-H549.	1.3	8
35	Electrochemical sandwich-type biosensors for Î±â^'1 antitrypsin with carbon nanotubes and alkaline phosphatase labeled antibody-silver nanoparticles. Biosensors and Bioelectronics, 2017, 89, 959-963.	5.3	48
36	Sensitive and Simultaneous Electrochemical Sensing for Three Dihydroxybenzene Isomers Based on Poly(l-arginine) Modified Glassy Carbon Electrode. Analytical Sciences, 2017, 33, 917-923.	0.8	9

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37	Highly efficient detection of paclobutrazol in environmental water and soil samples by time-resolved fluoroimmunoassay. Science of the Total Environment, 2016, 569-570, 1629-1634.	3.9	17
38	Nitrogen-doped hollow carbon spheres wrapped with graphene nanostructure for highly sensitive electrochemical sensing of parachlorophenol. Biosensors and Bioelectronics, 2016, 86, 62-67.	5.3	30
39	Recent advances for cyclodextrin-based materials in electrochemical sensing. TrAC - Trends in Analytical Chemistry, 2016, 80, 232-241.	5.8	91
40	Rapid screening of flonicamid residues in environmental and agricultural samples by a sensitive enzyme immunoassay. Science of the Total Environment, 2016, 551-552, 484-488.	3.9	13
41	Highly sensitive electrochemical sensing based on 2-hydroxypropyl-Î²-cyclodextrin-functionalized graphene nanoribbons. Electrochemistry Communications, 2016, 66, 10-15.	2.3	20
42	Highly sensitive and simultaneous electrochemical determination of 2-aminophenol and 4-aminophenol based on poly(l -arginine)-Î²-cyclodextrin/carbon nanotubes@graphene nanoribbons modified electrode. Biosensors and Bioelectronics, 2016, 77, 353-358.	5.3	70
43	Multiwalled carbon nanotube@reduced graphene oxide nanoribbon heterostructure: synthesis, intrinsic peroxidase-like catalytic activity, and its application in colorimetric biosensing. Journal of Materials Chemistry B, 2015, 3, 1624-1632.	2.9	54
44	Sensitive electrochemical determination of rhodamine B based on cyclodextrin-functionalized nanogold/hollow carbon nanospheres. Analytical Methods, 2015, 7, 4965-4970.	1.3	28
45	Fabrication of graphene oxide decorated with nitrogen-doped graphene quantum dots and its enhanced electrochemiluminescence for ultrasensitive detection of pentachlorophenol. Analyst, The, 2015, 140, 1253-1259.	1.7	53
46	A glassy carbon electrode modified with a multiwalled carbon nanotube@reduced graphene oxide nanoribbon core-shell structure for electrochemical sensing of p-dihydroxybenzene. Mikrochimica Acta, 2015, 182, 871-877.	2.5	13
47	Cyclodextrin-functionalized hollow carbon nanospheres by introducing nanogold for enhanced electrochemical sensing of o-dihydroxybenzene and p-dihydroxybenzene. Journal of Materials Chemistry B, 2015, 3, 45-52.	2.9	21
48	3,4,9,10-Perylene Tetracarboxylic Acid Noncovalently Modified Multiwalled Carbon Nanotubes: Synthesis, Characterization, and Application for Electrochemical Determination of 2-Aminonaphthalene. Analytical Letters, 2014, 47, 2370-2383.	1.0	5
49	Sensitive electrochemical sensing for polycyclic aromatic amines based on a novel coreâ€“shell multiwalled carbon nanotubes@ graphene oxide nanoribbons heterostructure. Analytica Chimica Acta, 2014, 845, 30-37.	2.6	43
50	Graphene quantum dots enhanced electrochemiluminescence of cadmium sulfide nanocrystals for ultrasensitive determination of pentachlorophenol. Analyst, The, 2014, 139, 2912.	1.7	33
51	Sensitive electrochemical sensor of anthracene-9-carbonxylic acid using an electropolymerized film modified glassy carbon electrode. Analytical Methods, 2013, 5, 1881.	1.3	1
52	Simultaneous electrochemical detection of ascorbic acid, dopamine and uric acid based on nitrogen doped porous carbon nanopolyhedra. Journal of Materials Chemistry B, 2013, 1, 2742.	2.9	166
53	A Label-Free Silicon Quantum Dots-Based Photoluminescence Sensor for Ultrasensitive Detection of Pesticides. Analytical Chemistry, 2013, 85, 11464-11470.	3.2	182
54	A colorimetric and fluorescence sensing platform for two analytes in homogenous solution based on aptamer-modified gold nanoparticles. Analytical Methods, 2013, 5, 2477.	1.3	17

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55	A New Dualâ€Signalling Electrochemical Sensing Strategy Based on Competitive Hostâ€“Guest Interaction of a Î²â€Cyclodextrin/Poly(Nâ€acetylaniline)/Grapheneâ€Modified Electrode: Sensitive Electrochemical Determination of Organic Pollutants. Chemistry - A European Journal, 2013, 19, 6368-6373.	1.7	45
56	Construction and Performance of a New Bioanode for Biofuel Cells. Acta Chimica Sinica, 2013, 71, 1154.	0.5	0
57	Sensitive electrochemical detection of hydroxyl radical with biobarcode amplification. Analytica Chimica Acta, 2012, 756, 1-6.	2.6	40
58	Sensitive electrochemical detection of nitrobenzene based on macro-/meso-porous carbon materials modified glassy carbon electrode. Talanta, 2012, 88, 696-700.	2.9	46
59	Electrochemical sensor for naphthols based on gold nanoparticles/hollow nitrogen-doped carbon microsphere hybrids functionalized with SH-Î²-cyclodextrin. Analytica Chimica Acta, 2012, 723, 33-38.	2.6	58
60	Î²-Cyclodextrin non-covalently functionalized single-walled carbon nanotubes bridged by 3,4,9,10-perylene tetracarboxylic acid for ultrasensitive electrochemical sensing of 9-anthracenecarboxylic acid. Nanoscale, 2012, 4, 5703.	2.8	63
61	Î²â€Cyclodextrinâ€Platinum Nanoparticles/Graphene Nanohybrids: Enhanced Sensitivity for Electrochemical Detection of Naphthol Isomers. Chemistry - an Asian Journal, 2012, 7, 732-737.	1.7	47
62	Enhanced Electrochemical Sensing for Persistent Organic Pollutants by Nanohybrids of Graphene Nanosheets that are Noncovalently Functionalized with Cyclodextrin. ChemPlusChem, 2012, 77, 844-849.	1.3	8