Yixian Wang

List of Publications by Year
in descending order

33 papers	4,498 citations	218592 26 h-index	414303 32 g-index
34 all docs	34 docs citations	34 times ranked	7188 citing authors

#	Article	IF	Citations
1	Recent advances in sensing applications of metal nanoparticle/metal–organic framework composites. TrAC - Trends in Analytical Chemistry, 2021, 143, 116395.	5.8	50
2	Structural design of metal–organic frameworks with tunable colorimetric responses for visual sensing applications. Coordination Chemistry Reviews, 2021, 446, 214102.	9.5	67
3	Laser-induced noble metal nanoparticle-graphene composites enabled flexible biosensor for pathogen detection. Biosensors and Bioelectronics, 2020, 150, 111896.	5.3	99
4	Shear Exfoliated Metal–Organic Framework Nanosheet-Enabled Flexible Sensor for Real-Time Monitoring of Superoxide Anion. ACS Applied Materials & Interfaces, 2020, 12, 5429-5436.	4.0	49
5	A novel impedimetric sensor for detecting LAMP amplicons of pathogenic DNA based on magnetic separation. Sensors and Actuators B: Chemical, 2019, 301, 127051.	4.0	21
6	Ultrathin noble metal nanoplates decorated metal-organic framework nanosheets as 2D/2D heterojunction nanobionic catalysts for explosive residues monitoring. 2D Materials, 2019, 6, 035008.	2.0	16
7	Recent advances in the rational synthesis and sensing applications of metal-organic framework biocomposites. Coordination Chemistry Reviews, 2019, 387, 60-78.	9.5	172
8	Simultaneous fluorometric determination of the DNAs of Salmonella enterica, Listeria monocytogenes and Vibrio parahemolyticus by using an ultrathin metal-organic framework (type) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		
9	Solution-Phase Synthesis of Platinum Nanoparticle-Decorated Metal-Organic Framework Hybrid Nanomaterials as Biomimetic Nanoenzymes for Biosensing Applications. ACS Applied Materials & Interfaces, 2018, 10, 24108-24115.	4.0	117
10	A Novel Impedimetric Microfluidic Analysis System for Transgenic Protein Cry1Ab Detection. Scientific Reports, 2017, 7, 43175.	1.6	15
11	Bioinspired Design of Ultrathin 2D Bimetallic Metal–Organic–Framework Nanosheets Used as Biomimetic Enzymes. Advanced Materials, 2016, 28, 4149-4155.	11.1	440
12	Self–Assembly of Single–Layer CoAl–Layered Double Hydroxide Nanosheets on 3D Graphene Network Used as Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. Advanced Materials, 2016, 28, 7640-7645.	11.1	355
13	Ultrathin 2D Metal–Organic Framework Nanosheets. Advanced Materials, 2015, 27, 7372-7378.	11.1	943
14	Electrochemical doping of three-dimensional graphene networks used as efficient electrocatalysts for oxygen reduction reaction. Nanoscale, 2015, 7, 9394-9398.	2.8	50
15	Development of an electrochemically reduced graphene oxide modified disposable bismuth film electrode and its application for stripping analysis of heavy metals in milk. Food Chemistry, 2014, 151, 65-71.	4.2	158
16	Liquid-phase growth of platinum nanoparticles on molybdenum trioxide nanosheets: an enhanced catalyst with intrinsic peroxidase-like catalytic activity. Nanoscale, 2014, 6, 12340-12344.	2.8	82
17	Development of an aptamer-based impedimetric bioassay using microfluidic system and magnetic separation for protein detection. Biosensors and Bioelectronics, 2014, 59, 106-111.	5.3	35
18	High-performance flexible potentiometric sensing devices using free-standing graphene paper. Journal of Materials Chemistry B, 2013, 1, 4781.	2.9	60

#	Article	IF	Citations
19	Detection of immunoglobulin E using an aptamer based dot-blot assay. Science Bulletin, 2013, 58, 2938-2943.	1.7	9
20	Design and synthesis of a task-specific ionic liquid as a transducer in potentiometric sensors. RSC Advances, 2013, 3, 19782.	1.7	13
21	Impedimetric immunosensor based on gold nanoparticles modified graphene paper for label-free detection of Escherichia coli O157:H7. Biosensors and Bioelectronics, 2013, 49, 492-498.	5.3	183
22	Monitoring of Escherichia coli O157:H7 in food samples using lectin based surface plasmon resonance biosensor. Food Chemistry, 2013, 136, 1303-1308.	4.2	132
23	Development of a disposable impedance biosensor and its application for determination of <i>Escherichia coli</i> O157:H7. , 2013, , .		0
24	New Trends in Impedimetric Biosensors for the Detection of Foodborne Pathogenic Bacteria. Sensors, 2012, 12, 3449-3471.	2.1	220
25	Application of Aptamer Based Biosensors for Detection of Pathogenic Microorganisms. Chinese Journal of Analytical Chemistry, 2012, 40, 634-642.	0.9	71
26	Determination of ascorbic acid levels in food samples by using an ionic liquid–carbon nanotube composite electrode. Food Chemistry, 2012, 135, 362-367.	4.2	46
27	All-solid-state nitrate-selective electrode and its application in drinking water. Electrochimica Acta, 2012, 81, 186-190.	2.6	48
28	Application of Electrochemically Reduced Graphene Oxide on Screen-Printed Ion-Selective Electrode. Analytical Chemistry, 2012, 84, 3473-3479.	3.2	173
29	Simultaneous determination of ascorbic acid, dopamine and uric acid using high-performance screen-printed graphene electrode. Biosensors and Bioelectronics, 2012, 34, 70-76.	5.3	375
30	A novel pH sensing membrane based on an ionic liquid-polymer composite. Mikrochimica Acta, 2012, 176, 229-234.	2.5	13
31	Development of an all-solid-state potassium ion-selective electrode using graphene as the solid-contact transducer. Electrochemistry Communications, 2011, 13, 1529-1532.	2.3	145
32	Direct electrochemical reduction of graphene oxide on ionic liquid doped screen-printed electrode and its electrochemical biosensing application. Biosensors and Bioelectronics, 2011, 28, 204-209.	5.3	219
33	Subtractive Inhibition Assay for the Detection of E. coli O157:H7 Using Surface Plasmon Resonance. Sensors, 2011, 11, 2728-2739.	2.1	76