

Yixian Wang

List of Publications by Year in descending order

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33
papers

4,498
citations

218592

26
h-index

414303

32
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34
all docs

34
docs citations

34
times ranked

7188
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrathin 2D Metal-Organic Framework Nanosheets. <i>Advanced Materials</i> , 2015, 27, 7372-7378.	11.1	943
2	Bioinspired Design of Ultrathin 2D Bimetallic Metal-Organic Framework Nanosheets Used as Biomimetic Enzymes. <i>Advanced Materials</i> , 2016, 28, 4149-4155.	11.1	440
3	Simultaneous determination of ascorbic acid, dopamine and uric acid using high-performance screen-printed graphene electrode. <i>Biosensors and Bioelectronics</i> , 2012, 34, 70-76.	5.3	375
4	Self-Assembly of Single-Layer CoAl-Layered Double Hydroxide Nanosheets on 3D Graphene Network Used as Highly Efficient Electrocatalyst for Oxygen Evolution Reaction. <i>Advanced Materials</i> , 2016, 28, 7640-7645.	11.1	355
5	New Trends in Impedimetric Biosensors for the Detection of Foodborne Pathogenic Bacteria. <i>Sensors</i> , 2012, 12, 3449-3471.	2.1	220
6	Direct electrochemical reduction of graphene oxide on ionic liquid doped screen-printed electrode and its electrochemical biosensing application. <i>Biosensors and Bioelectronics</i> , 2011, 28, 204-209.	5.3	219
7	Impedimetric immunosensor based on gold nanoparticles modified graphene paper for label-free detection of <i>Escherichia coli</i> O157:H7. <i>Biosensors and Bioelectronics</i> , 2013, 49, 492-498.	5.3	183
8	Application of Electrochemically Reduced Graphene Oxide on Screen-Printed Ion-Selective Electrode. <i>Analytical Chemistry</i> , 2012, 84, 3473-3479.	3.2	173
9	Recent advances in the rational synthesis and sensing applications of metal-organic framework biocomposites. <i>Coordination Chemistry Reviews</i> , 2019, 387, 60-78.	9.5	172
10	Development of an electrochemically reduced graphene oxide modified disposable bismuth film electrode and its application for stripping analysis of heavy metals in milk. <i>Food Chemistry</i> , 2014, 151, 65-71.	4.2	158
11	Development of an all-solid-state potassium ion-selective electrode using graphene as the solid-contact transducer. <i>Electrochemistry Communications</i> , 2011, 13, 1529-1532.	2.3	145
12	Monitoring of <i>Escherichia coli</i> O157:H7 in food samples using lectin based surface plasmon resonance biosensor. <i>Food Chemistry</i> , 2013, 136, 1303-1308.	4.2	132
13	Solution-Phase Synthesis of Platinum Nanoparticle-Decorated Metal-Organic Framework Hybrid Nanomaterials as Biomimetic Nanoenzymes for Biosensing Applications. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24108-24115.	4.0	117
14	Laser-induced noble metal nanoparticle-graphene composites enabled flexible biosensor for pathogen detection. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111896.	5.3	99
15	Liquid-phase growth of platinum nanoparticles on molybdenum trioxide nanosheets: an enhanced catalyst with intrinsic peroxidase-like catalytic activity. <i>Nanoscale</i> , 2014, 6, 12340-12344.	2.8	82
16	Subtractive Inhibition Assay for the Detection of <i>E. coli</i> O157:H7 Using Surface Plasmon Resonance. <i>Sensors</i> , 2011, 11, 2728-2739.	2.1	76
17	Application of Aptamer Based Biosensors for Detection of Pathogenic Microorganisms. <i>Chinese Journal of Analytical Chemistry</i> , 2012, 40, 634-642.	0.9	71
18	Structural design of metal-organic frameworks with tunable colorimetric responses for visual sensing applications. <i>Coordination Chemistry Reviews</i> , 2021, 446, 214102.	9.5	67

#	ARTICLE	IF	CITATIONS
19	High-performance flexible potentiometric sensing devices using free-standing graphene paper. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4781.	2.9	60
20	Electrochemical doping of three-dimensional graphene networks used as efficient electrocatalysts for oxygen reduction reaction. <i>Nanoscale</i> , 2015, 7, 9394-9398.	2.8	50
21	Recent advances in sensing applications of metal nanoparticle/metal-organic framework composites. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116395.	5.8	50
22	Shear Exfoliated Metal-Organic Framework Nanosheet-Enabled Flexible Sensor for Real-Time Monitoring of Superoxide Anion. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5429-5436.	4.0	49
23	All-solid-state nitrate-selective electrode and its application in drinking water. <i>Electrochimica Acta</i> , 2012, 81, 186-190.	2.6	48
24	Determination of ascorbic acid levels in food samples by using an ionic liquid-carbon nanotube composite electrode. <i>Food Chemistry</i> , 2012, 135, 362-367.	4.2	46
25	Simultaneous fluorometric determination of the DNAs of <i>Salmonella enterica</i> , <i>Listeria monocytogenes</i> and <i>Vibrio parahaemolyticus</i> by using an ultrathin metal-organic framework (type Tj ETQq1 1 0.784314 rgBT4@verloc	4.3	46
26	Development of an aptamer-based impedimetric bioassay using microfluidic system and magnetic separation for protein detection. <i>Biosensors and Bioelectronics</i> , 2014, 59, 106-111.	5.3	35
27	A novel impedimetric sensor for detecting LAMP amplicons of pathogenic DNA based on magnetic separation. <i>Sensors and Actuators B: Chemical</i> , 2019, 301, 127051.	4.0	21
28	Ultrathin noble metal nanoplates decorated metal-organic framework nanosheets as 2D/2D heterojunction nanobionic catalysts for explosive residues monitoring. <i>2D Materials</i> , 2019, 6, 035008.	2.0	16
29	A Novel Impedimetric Microfluidic Analysis System for Transgenic Protein Cry1Ab Detection. <i>Scientific Reports</i> , 2017, 7, 43175.	1.6	15
30	A novel pH sensing membrane based on an ionic liquid-polymer composite. <i>Mikrochimica Acta</i> , 2012, 176, 229-234.	2.5	13
31	Design and synthesis of a task-specific ionic liquid as a transducer in potentiometric sensors. <i>RSC Advances</i> , 2013, 3, 19782.	1.7	13
32	Detection of immunoglobulin E using an aptamer based dot-blot assay. <i>Science Bulletin</i> , 2013, 58, 2938-2943.	1.7	9
33	Development of a disposable impedance biosensor and its application for determination of <i>Escherichia coli</i> O157:H7. , 2013, , .		0