

Yang Wang

List of Publications by Year in descending order

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47
papers

2,692
citations

159585

30
h-index

214800

47
g-index

47
all docs

47
docs citations

47
times ranked

3111
citing authors

#	ARTICLE	IF	CITATIONS
1	A metal-organic framework and conducting polymer based electrochemical sensor for high performance cadmium ion detection. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8385-8393.	10.3	294
2	Facile synthesis of enzyme-embedded magnetic metal-organic frameworks as a reusable mimic multi-enzyme system: mimetic peroxidase properties and colorimetric sensor. <i>Nanoscale</i> , 2015, 7, 18770-18779.	5.6	221
3	Functionalized metal-organic framework as a new platform for efficient and selective removal of cadmium from aqueous solution. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15292-15298.	10.3	210
4	Metal-organic framework modified carbon paste electrode for lead sensor. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 1161-1166.	7.8	136
5	Fabrication of Highly Sensitive and Stable Hydroxylamine Electrochemical Sensor Based on Gold Nanoparticles and Metal-Metalloporphyrin Framework Modified Electrode. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18173-18181.	8.0	132
6	A novel AuNPs-doped COFs composite as electrochemical probe for chlorogenic acid detection with enhanced sensitivity and stability. <i>Sensors and Actuators B: Chemical</i> , 2018, 276, 362-369.	7.8	131
7	Label-Free Electrochemical Immunosensor for Ultrasensitive Detection of Carbohydrate Antigen 125 Based on Antibody-Immobilized Biocompatible MOF-808/CNT. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3295-3302.	8.0	94
8	Covalent organic framework as a novel electrochemical platform for highly sensitive and stable detection of lead. <i>Talanta</i> , 2018, 188, 578-583.	5.5	81
9	Preparation of magnetic metal organic frameworks adsorbent modified with mercapto groups for the extraction and analysis of lead in food samples by flame atomic absorption spectrometry. <i>Food Chemistry</i> , 2015, 181, 191-197.	8.2	80
10	Ultrasmall Au(0) Inserted Hollow PCN-222 MOF for The High-Sensitive Detection of Estradiol. <i>Analytical Chemistry</i> , 2020, 92, 4566-4572.	6.5	79
11	A magnetic metal-organic framework as a new sorbent for solid-phase extraction of copper(II), and its determination by electrothermal AAS. <i>Mikrochimica Acta</i> , 2014, 181, 949-956.	5.0	76
12	Magnetic Fe ₃ O ₄ @MOFs decorated graphene nanocomposites as novel electrochemical sensor for ultrasensitive detection of dopamine. <i>RSC Advances</i> , 2015, 5, 98260-98268.	3.6	67
13	Facile fabrication of electrochemical sensor based on novel core-shell PPy@ZIF-8 structures: enhanced charge collection for quercetin in human plasma samples. <i>Sensors and Actuators B: Chemical</i> , 2019, 290, 434-442.	7.8	66
14	Preparation of a functionalized magnetic metal-organic framework sorbent for the extraction of lead prior to electrothermal atomic absorption spectrometer analysis. <i>Journal of Materials Chemistry A</i> , 2013, 1, 8782.	10.3	61
15	Multi-walled carbon nanotubes and metal-organic framework nanocomposites as novel hybrid electrode materials for the determination of nano-molar levels of lead in a lab-on-valve format. <i>Analyst</i> , 2013, 138, 5113.	3.5	58
16	Fabrication of core-shell magnetic covalent organic frameworks composites and their application for highly sensitive detection of luteolin. <i>Talanta</i> , 2020, 213, 120843.	5.5	56
17	Construction of an electrochemical sensor based on amino-functionalized metal-organic frameworks for differential pulse anodic stripping voltammetric determination of lead. <i>Talanta</i> , 2014, 129, 100-105.	5.5	51
18	Carbon functionalized metal organic framework/Nafion composites as novel electrode materials for ultrasensitive determination of dopamine. <i>Journal of Materials Chemistry B</i> , 2015, 3, 3747-3753.	5.8	51

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19	Fabrication of metal-organic frameworks and graphite oxide hybrid composites for solid-phase extraction and preconcentration of luteolin. <i>Talanta</i> , 2014, 122, 91-96.	5.5	48
20	Solid-phase preconcentration of cadmium(II) using amino-functionalized magnetic-core silica-shell nanoparticles, and its determination by hydride generation atomic fluorescence spectrometry. <i>Mikrochimica Acta</i> , 2013, 180, 235-242.	5.0	42
21	A novel electrochemical sensor based on core-shell-structured metal-organic frameworks: The outstanding analytical performance towards chlorogenic acid. <i>Talanta</i> , 2019, 196, 85-91.	5.5	41
22	Integrating polythiophene derivatives to PCN-222(Fe) for electrocatalytic sensing of L-dopa. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111470.	10.1	40
23	Tunable construction of crystalline and shape-tailored Co ₃ O ₄ @TAPB-DMTP-COF composites for the enhancement of tert-butylhydroquinone electrocatalysis. <i>Sensors and Actuators B: Chemical</i> , 2021, 331, 129438.	7.8	37
24	New Developments in Flow Injection/Sequential Injection On-line Separation and Preconcentration Coupled with Electrothermal Atomic Absorption Spectrometry for Trace Metal Analysis. <i>Applied Spectroscopy Reviews</i> , 2007, 42, 103-118.	6.7	36
25	An enzymatic amplified system for the detection of 2,4-dichlorophenol based on graphene membrane modified electrode. <i>Analytical Methods</i> , 2012, 4, 3429.	2.7	36
26	Simultaneous voltammetric determination of Adrenaline and Tyrosine in real samples by neodymium oxide nanoparticles grafted graphene. <i>Talanta</i> , 2020, 206, 120176.	5.5	36
27	Highly stable and ultrasensitive chlorogenic acid sensor based on metal-organic frameworks/titanium dioxide nanocomposites. <i>Analyst</i> , The, 2016, 141, 4647-4653.	3.5	35
28	Preparation of a chemically stable metal-organic framework and multi-walled carbon nanotube composite as a high-performance electrocatalyst for the detection of lead. <i>Analyst</i> , The, 2020, 145, 1833-1840.	3.5	32
29	Conducting polymer engineered covalent organic framework as a novel electrochemical amplifier for ultrasensitive detection of acetaminophen. <i>Chinese Chemical Letters</i> , 2021, 32, 2061-2065.	9.0	32
30	In-situ anchoring bimetallic nanoparticles on covalent organic framework as an ultrasensitive electrochemical sensor for levodopa detection. <i>Talanta</i> , 2021, 225, 122072.	5.5	32
31	Sm ₂ O ₃ nanorod-modified graphite paste electrode for trace level voltammetric determination of acetaminophen and ciprofloxacin. <i>New Journal of Chemistry</i> , 2020, 44, 1921-1930.	2.8	30
32	Hemin immobilized into metal-organic frameworks as an electrochemical biosensor for 2,4,6-trichlorophenol. <i>Nanotechnology</i> , 2018, 29, 074003.	2.6	29
33	Direct Growth of Poly-Glutamic Acid Film on Peroxidase Mimicking PCN-222(Mn) for Constructing a Novel Sensitive Nonenzymatic Electrochemical Hydrogen Peroxide Biosensor. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13226-13235.	6.7	27
34	Amperometric determination of hydroquinone and catechol using a glassy carbon electrode modified with a porous carbon material doped with an iron species. <i>Mikrochimica Acta</i> , 2018, 185, 37.	5.0	26
35	Capture and self-release of circulating tumor cells using metal-organic framework materials. <i>Nanoscale</i> , 2019, 11, 8293-8303.	5.6	25
36	Cancer cell membrane-camouflaged MOF nanoparticles for a potent dihydroartemisinin-based hepatocellular carcinoma therapy. <i>RSC Advances</i> , 2020, 10, 7194-7205.	3.6	24

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37	Determination of Se(IV) using solidified floating organic drop microextraction coupled to ultrasound-assisted back-extraction and hydride generation atomic fluorescence spectrometry. <i>Mikrochimica Acta</i> , 2011, 173, 267-273.	5.0	23
38	Synchronous Fluorescence as a Rapid Method for the Simultaneous Determination of Folic Acid and Riboflavin in Nutritional Beverages. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 12629-12634.	5.2	20
39	Postsynthetic functionalization of water stable zirconium metal organic frameworks for high performance copper removal. <i>Analyst, The</i> , 2019, 144, 4552-4558.	3.5	17
40	Triple-signaling amplification strategy based electrochemical sensor design: boosting synergistic catalysis in metal-organic frameworks for sensitive bisphenol A detection. <i>Analyst, The</i> , 2021, 146, 4585-4594.	3.5	16
41	Self-assembled metal-organic frameworks nanocrystals synthesis and application for plumbagin drug delivery in acute lung injury therapy. <i>Chinese Chemical Letters</i> , 2022, 33, 324-327.	9.0	16
42	Metal-organic frameworks and β -cyclodextrin-based composite electrode for simultaneous quantification of guanine and adenine in a lab-on-valve manifold. <i>Analyst, The</i> , 2014, 139, 6197-6203.	3.5	12
43	Synthesis of core-shell structured metal oxide@covalent organic framework composites as a novel electrochemical platform for dopamine sensing. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 648, 129238.	4.7	12
44	Polypyrrole merged zirconium-based metal-organic framework NU-1000 for detection of levodopa. <i>Mikrochimica Acta</i> , 2020, 187, 661.	5.0	9
45	Fabrication of MnOx/Ni(OH) ₂ electro-deposited sulfonated polyimides/graphene nano-sheets membrane and used for electrochemical sensing of glucose. <i>Journal of Electroanalytical Chemistry</i> , 2019, 837, 95-102.	3.8	7
46	Synthesis of pH-responsive covalent organic frameworks nanocarrier for plumbagin delivery. <i>RSC Advances</i> , 2022, 12, 16046-16050.	3.6	7
47	Simultaneous Determination of Lomefloxacin and Ciprofloxacin in Dairy Products by First-Derivative Synchronous Spectrofluorimetry. <i>Advanced Materials Research</i> , 2013, 643, 43-46.	0.3	1