

Jianfei Xia

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82
papers

3,147
citations

31
h-index

53
g-index

87
ext. papers

3,681
ext. citations

6.3
avg, IF

5.52
L-index

#	Paper	IF	Citations
82	An efficient multi-enzyme cascade platform based on mesoporous metal-organic frameworks for the detection of organophosphorus and glucose.. <i>Food Chemistry</i> , 2022 , 381, 132282	8.5	4
81	Synergetic PtNP@CoO hollow nanopolyhedrals as peroxidase-like nanozymes for the dual-channel homogeneous biosensing of prostate-specific antigen.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 414, 1921	4.4	4
80	Aptamer-functionalized metal-organic frameworks (MOFs) for biosensing. <i>Biosensors and Bioelectronics</i> , 2021 , 176, 112947	11.8	42
79	Sonochemical fabrication of inorganic nanoparticles for applications in catalysis. <i>Ultrasonics Sonochemistry</i> , 2021 , 71, 105384	8.9	29
78	Aptamer and bifunctional enzyme co-functionalized MOF-derived porous carbon for low-background electrochemical aptasensing. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 6303-6312	4.4	4
77	Exfoliated MOF-derived N-doped honeycomb cavernous carbon with enhanced electrocatalytic activity as electrochemical platform. <i>Sensors and Actuators B: Chemical</i> , 2021 , 349, 130779	8.5	3
76	Gold Nanoparticle Aggregation-Induced Quantitative Photothermal Biosensing Using a Thermometer: A Simple and Universal Biosensing Platform. <i>Analytical Chemistry</i> , 2020 , 92, 2739-2747	7.8	65
75	Promoting Nanozyme Cascade Bioplatform by ZIF-Derived N-Doped Porous Carbon Nanosheet-based Protein/Bimetallic Nanoparticles for Tandem Catalysis.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 664-672	4.1	17
74	Flexible enzyme cascade sensing platform based on a G-quadruplex nanofiber biohydrogel for target colorimetric sensing. <i>Analytica Chimica Acta</i> , 2020 , 1140, 10-17	6.6	3
73	Simple homogeneous electrochemical target-responsive aptasensor based on aptamer bio-gated and porous carbon nanocontainer derived from ZIF-8. <i>Biosensors and Bioelectronics</i> , 2020 , 166, 112448	11.8	16
72	High-efficiency artificial enzyme cascade bio-platform based on MOF-derived bimetal nanocomposite for biosensing. <i>Talanta</i> , 2020 , 220, 121374	6.2	21
71	Competitive electrochemical aptasensor based on a cDNA-ferrocene/MXene probe for detection of breast cancer marker Mucin1. <i>Analytica Chimica Acta</i> , 2020 , 1094, 18-25	6.6	51
70	Electrochemical thrombin aptasensor based on using magnetic nanoparticles and porous carbon prepared by carbonization of a zinc(II)-2-methylimidazole metal-organic framework. <i>Mikrochimica Acta</i> , 2019 , 186, 659	5.8	10
69	Au nanoparticles supported on functionalized two-dimensional titanium carbide for the sensitive detection of nitrite. <i>New Journal of Chemistry</i> , 2019 , 43, 2464-2470	3.6	17
68	Stimuli-Responsive DNA-Gated Nanoscale Porous Carbon Derived from ZIF-8. <i>Advanced Functional Materials</i> , 2019 , 29, 1902237	15.6	30
67	DNA synergistic enzyme-mediated cascade reaction for homogeneous electrochemical bioassay. <i>Biosensors and Bioelectronics</i> , 2019 , 142, 111510	11.8	6
66	A hybrid material composed of reduced graphene oxide and porous carbon prepared by carbonization of a zeolitic imidazolate framework (type ZIF-8) for voltammetric determination of chloramphenicol. <i>Mikrochimica Acta</i> , 2019 , 186, 191	5.8	31

65	Two-dimensional π -conjugated metal-organic framework with high electrical conductivity for electrochemical sensing. <i>Journal of the Chinese Chemical Society</i> , 2019 , 66, 522-528	1.5	13
64	Facile sonochemistry-assisted assembly of the water-loving drug-loaded micro-organogel with thermo- and redox-sensitive behavior. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019 , 561, 47-56	5.1	11
63	A Novel Electrochemical Sensor Based on Copper-based Metal-Organic Framework for the Determination of Dopamine. <i>Journal of the Chinese Chemical Society</i> , 2018 , 65, 743-749	1.5	26
62	Preparation of a Pt/NiFe layered double hydroxide/reduced graphene oxide composite as an electrocatalyst for methanol oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 818, 198-203	4.1	24
61	Ultrasensitive label-free homogeneous electrochemical aptasensor based on sandwich structure for thrombin detection. <i>Sensors and Actuators B: Chemical</i> , 2018 , 267, 412-418	8.5	38
60	An electrochemical sensor based on copper-based metal-organic frameworks-graphene composites for determination of dihydroxybenzene isomers in water. <i>Talanta</i> , 2018 , 181, 80-86	6.2	98
59	One-step synthesis of a [Methylene Blue@ZIF-8-reduced graphene oxide nanocomposite and its application to electrochemical sensing of rutin. <i>Mikrochimica Acta</i> , 2018 , 185, 279	5.8	18
58	An electrochemical aptasensor based on the conversion of liquid-phase colorimetric assay into electrochemical analysis for sensitive detection of lysozyme. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 2136-2142	8.5	21
57	Simultaneous and selective measurement of dopamine and uric acid using glassy carbon electrodes modified with a complex of gold nanoparticles and multiwall carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2018 , 255, 2069-2077	8.5	67
56	Nafion/polyaniline/Zeolitic Imidazolate Framework-8 nanocomposite sensor for the electrochemical determination of dopamine. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 824, 147-152	4.1	27
55	A dual-channel homogeneous aptasensor combining colorimetric with electrochemical strategy for thrombin. <i>Biosensors and Bioelectronics</i> , 2018 , 120, 15-21	11.8	23
54	Highly dispersed ultrafine Pt nanoparticles on nickel-cobalt layered double hydroxide nanoarray for enhanced electrocatalytic methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2018 , 43, 16302-16310	6.7	23
53	MOF-Derived Porous NiP/Graphene Composites with Enhanced Electrochemical Properties for Sensitive Nonenzymatic Glucose Sensing. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39151-39160	9.5	85
52	Self-Assembled Ionic Liquid-Phosphomolybdic Acid/Reduced Graphene Oxide Composite Modified Electrode for Sensitive Determination of Dopamine. <i>ECS Journal of Solid State Science and Technology</i> , 2017 , 6, M3014-M3018	2	3
51	Electrodeposition one-step preparation of silver nanoparticles/carbon dots/reduced graphene oxide ternary dendritic nanocomposites for sensitive detection of doxorubicin. <i>Sensors and Actuators B: Chemical</i> , 2017 , 253, 50-57	8.5	52
50	Hierarchical and hybrid RGO/ZIF-8 nanocomposite as electrochemical sensor for ultrasensitive determination of dopamine. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 801, 496-502	4.1	55
49	An electrochemical sensor based on metal-organic framework-derived porous carbon with high degree of graphitization for electroanalysis of various substances. <i>Electrochimica Acta</i> , 2017 , 251, 71-80	6.7	38
48	A new dual-signalling electrochemical aptasensor with the integration of signal on/off and labeling/label-free strategies. <i>Sensors and Actuators B: Chemical</i> , 2017 , 239, 166-171	8.5	34

47	A sandwich-like PtCo-graphene/carbon dots/graphene catalyst for efficient methanol oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 802, 27-32	4.1	19
46	Label-free quadruple signal amplification strategy for sensitive electrochemical p53 gene biosensing. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 157-63	11.8	21
45	Synthetic methods and potential applications of transition metal dichalcogenide/graphene nanocomposites. <i>Coordination Chemistry Reviews</i> , 2016 , 326, 86-110	23.2	34
44	In Situ Growth of Three-Dimensional Graphene Films for Signal-On Electrochemical Biosensing of Various Analytes. <i>Analytical Chemistry</i> , 2016 , 88, 10667-10674	7.8	53
43	Phosphomolybdic acid functionalized graphene loading copper nanoparticles modified electrodes for non-enzymatic electrochemical sensing of glucose. <i>Analytica Chimica Acta</i> , 2016 , 934, 44-51	6.6	29
42	Facile preparation of PtPdPt/graphene nanocomposites with ultrahigh electrocatalytic performance for methanol oxidation. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 761, 55-61	4.1	30
41	Facile synthesis of PtPdPt nanocatalysts for methanol oxidation in alkaline solution. <i>Electrochimica Acta</i> , 2016 , 192, 400-406	6.7	24
40	Molecularly imprinted electrochemical biosensor based on chitosan/ionic liquid-graphene composites modified electrode for determination of bovine serum albumin. <i>Sensors and Actuators B: Chemical</i> , 2016 , 225, 305-311	8.5	83
39	Direct energy harvesting from starch by hybrid enzymatic and non-enzymatic cascade bioanode. <i>RSC Advances</i> , 2016 , 6, 26421-26424	3.7	6
38	Aptamer-functionalized hydrogel as effective anti-cancer drugs delivery agents. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 134, 40-6	6	20
37	An electrochemical sensor for the sensitive detection of rutin based on a novel composite of activated silica gel and graphene. <i>RSC Advances</i> , 2015 , 5, 39131-39137	3.7	19
36	Room-temperature phosphorescence logic gates developed from nucleic acid functionalized carbon dots and graphene oxide. <i>Nanoscale</i> , 2015 , 7, 8289-93	7.7	39
35	A plasmonic aptasensor for ultrasensitive detection of thrombin via arrested rolling circle amplification. <i>Chemical Communications</i> , 2015 , 51, 7927-30	5.8	31
34	Molecularly imprinted electrochemical sensor based on an electrode modified with an imprinted pyrrole film immobilized on a β -cyclodextrin/gold nanoparticles/graphene layer. <i>RSC Advances</i> , 2015 , 5, 82930-82935	3.7	16
33	Direct electrochemical deposition of polyaniline nanowire array on reduced graphene oxide modified graphite electrode for direct electron transfer biocatalysis. <i>RSC Advances</i> , 2015 , 5, 93209-93214	3.7	12
32	Electrodeposition of PtNi bimetallic nanoparticles on three-dimensional graphene for highly efficient methanol oxidation. <i>RSC Advances</i> , 2015 , 5, 86578-86583	3.7	17
31	Multiwall carbon nanotubes-poly(diallyldimethylammonium chloride)-graphene hybrid composite film for simultaneous determination of catechol and hydroquinone. <i>Sensors and Actuators B: Chemical</i> , 2015 , 206, 111-118	8.5	101
30	Two-photon excited quantum dots with compact surface coatings of polymer ligands used as an upconversion luminescent probe for dopamine detection in biological fluids. <i>Analyst, The</i> , 2015 , 140, 2037-43	5	19

29	Single electrode biosensor for simultaneous determination of interferon gamma and lysozyme. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 55-61	11.8	39
28	Ag ₂ Te quantum dots with compact surface coatings of multivalent polymers: ambient one-pot aqueous synthesis and the second near-infrared bioimaging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 126, 115-20	6	36
27	Amphoteric surfactant promoted three-dimensional assembly of graphene micro/nanoclusters to accommodate Pt nanoparticles for methanol oxidation. <i>Electrochimica Acta</i> , 2015 , 160, 288-295	6.7	35
26	A label-free immunosensor for detecting common acute lymphoblastic leukemia antigen (CD10) based on gold nanoparticles by quartz crystal microbalance. <i>Sensors and Actuators B: Chemical</i> , 2015 , 210, 248-253	8.5	22
25	Modification of electrode surface with covalently functionalized graphene oxide by L-tyrosine for determination of dopamine. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 738, 203-208	4.1	19
24	Application of graphene for the SPE clean-up of organophosphorus pesticides residues from apple juices. <i>Journal of Separation Science</i> , 2014 , 37, 99-105	3.4	52
23	Mixed ionic liquids/graphene-supported platinum nanoparticles as an electrocatalyst for methanol oxidation. <i>Electrochimica Acta</i> , 2014 , 142, 167-172	6.7	30
22	An ionic liquid-modified graphene based molecular imprinting electrochemical sensor for sensitive detection of bovine hemoglobin. <i>Biosensors and Bioelectronics</i> , 2014 , 61, 391-6	11.8	101
21	A novel phosphomolybdic acid/polypyrrole/graphene composite modified electrode for sensitive determination of folic acid. <i>Journal of Electroanalytical Chemistry</i> , 2014 , 726, 107-111	4.1	25
20	Association between Related Purine Metabolites and Diabetic Retinopathy in Type 2 Diabetic Patients. <i>International Journal of Endocrinology</i> , 2014 , 2014, 651050	2.7	29
19	Upconversion luminescent logic gates and turn-on sensing of glutathione based on two-photon excited quantum dots conjugated with dopamine. <i>Chemical Communications</i> , 2014 , 50, 14847-50	5.8	29
18	Facile preparation of a Pt/Prussian blue/graphene composite and its application as an enhanced catalyst for methanol oxidation. <i>Electrochimica Acta</i> , 2014 , 121, 245-252	6.7	34
17	Synthesis of strongly green-photoluminescent graphene quantum dots for drug carrier. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 112, 192-6	6	79
16	Graphene as an efficient sorbent for the SPE of organochlorine pesticides in water samples coupled with GC-MS. <i>Journal of Separation Science</i> , 2013 , 36, 3586-91	3.4	35
15	Fabrication and characterization of a zirconia/multi-walled carbon nanotube mesoporous composite. <i>Materials Science and Engineering C</i> , 2013 , 33, 3931-4	8.3	9
14	Platinum/graphene functionalized by PDDA as a novel enzyme carrier for hydrogen peroxide biosensor. <i>Analytical Methods</i> , 2013 , 5, 483-488	3.2	13
13	Biomarkers for early diagnosis of type 2 diabetic nephropathy: a study based on an integrated biomarker system. <i>Molecular BioSystems</i> , 2013 , 9, 2134-41		27
12	Fabrication and characterization of a triple functionalization of graphene oxide with Fe ₃ O ₄ , folic acid and doxorubicin as dual-targeted drug nanocarrier. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 106, 60-5	6	81

11	A Novel Method for Bisphenol A Analysis in Dairy Products Using Graphene as an Adsorbent for Solid Phase Extraction Followed by Ion Chromatography. <i>Food Analytical Methods</i> , 2013 , 6, 1537-1543	3.4	15
10	Graphene-based solid-phase extraction disk for fast separation and preconcentration of trace polycyclic aromatic hydrocarbons from environmental water samples. <i>Journal of Separation Science</i> , 2013 , 36, 1834-42	3.4	83
9	Electrochemical Deposition of Graphene Supported PtCo Composite Catalysts for Electrocatalytic Methanol Oxidation. <i>Acta Chimica Sinica</i> , 2013 , 71, 227	3.3	3
8	Research Progress on Pt-Based Anode Catalysts in the Direct Methanol Fuel Cell. <i>Acta Chimica Sinica</i> , 2013 , 71, 20130902	3.3	7
7	The fabrication of poly (acridine orange)/graphene modified electrode with electrolysis micelle disruption method for selective determination of uric acid. <i>Sensors and Actuators B: Chemical</i> , 2012 , 161, 131-136	8.5	45
6	Facile and tunable fabrication of Fe ₃ O ₄ /graphene oxide nanocomposites and their application in the magnetic solid-phase extraction of polycyclic aromatic hydrocarbons from environmental water samples. <i>Talanta</i> , 2012 , 101, 388-95	6.2	297
5	Novel GO-blended PVDF ultrafiltration membranes. <i>Desalination</i> , 2012 , 299, 50-54	10.3	350
4	Synthesis and characterization of glycyrrhizin-decorated graphene oxide for hepatocyte-targeted delivery. <i>Comptes Rendus Chimie</i> , 2012 , 15, 708-713	2.7	6
3	A simplistic one-pot method to produce magnetic graphene-CdS nanocomposites. <i>Comptes Rendus Chimie</i> , 2012 , 15, 714-718	2.7	6
2	Simultaneous LC-MS/MS Analysis of Nine Pivotal Metabolites in Human Serum: Application to Studies of Impaired Glucose Tolerance. <i>Chromatographia</i> , 2011 , 73, 149-155	2.1	6
1	A Selective Voltammetric Method for Detecting Dopamine at Quercetin Modified Electrode Incorporating Graphene. <i>Electroanalysis</i> , 2011 , 23, 2463-2471	3	35