

# Xiaojun Chen

## List of Publications by Year in descending order

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34  
papers

1,107  
citations

430874

18  
h-index

395702

33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1637  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical Impedance Immunosensor Based on Three-Dimensionally Ordered Macroporous Gold Film. <i>Analytical Chemistry</i> , 2008, 80, 2133-2140.	6.5	236
2	Aflatoxin B1 Electrochemical Aptasensor Based on Tetrahedral DNA Nanostructures Functionalized Three Dimensionally Ordered Macroporous MoS <sub>2</sub> AuNPs Film. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 17551-17559.	8.0	113
3	A novel bienzyme glucose biosensor based on three-layer Au@Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> magnetic nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2011, 159, 220-228.	7.8	108
4	Electrochemical aptasensor for mucin 1 based on dual signal amplification of poly(o-phenylenediamine) carrier and functionalized carbon nanotubes tracing tag. <i>Biosensors and Bioelectronics</i> , 2015, 64, 485-492.	10.1	70
5	Development of a novel label-free impedimetric electrochemical sensor based on hydrogel/chitosan for the detection of ochratoxin A. <i>Talanta</i> , 2021, 226, 122183.	5.5	47
6	Cu-based metal-organic framework HKUST-1 as effective catalyst for highly sensitive determination of ascorbic acid. <i>RSC Advances</i> , 2020, 10, 22881-22890.	3.6	44
7	Target-induced electronic switch for ultrasensitive detection of Pb <sup>2+</sup> based on three dimensionally ordered macroporous Au-Pd bimetallic electrode. <i>Biosensors and Bioelectronics</i> , 2014, 53, 90-98.	10.1	41
8	Facile synthesis of hierarchically aloe-like gold micro/nanostructures for ultrasensitive DNA recognition. <i>Biosensors and Bioelectronics</i> , 2013, 49, 184-191.	10.1	39
9	Double determination of long noncoding RNAs from lung cancer via multi-amplified electrochemical genosensor at sub-femtomole level. <i>Biosensors and Bioelectronics</i> , 2018, 113, 116-123.	10.1	35
10	Post-graphene 2D materials-based antimicrobial agents: focus on fabrication strategies and biosafety assessments. <i>Journal of Materials Science</i> , 2020, 55, 7226-7246.	3.7	31
11	Amperometric carbohydrate antigen 19-9 immunosensor based on three dimensional ordered macroporous magnetic Au film coupling direct electrochemistry of horseradish peroxidase. <i>Analytica Chimica Acta</i> , 2014, 815, 42-50.	5.4	29
12	Au nanoparticles-ZnO composite nanotubes using natural silk fibroin fiber as template for electrochemical non-enzymatic sensing of hydrogen peroxide. <i>Analytical Biochemistry</i> , 2018, 554, 1-8.	2.4	29
13	Ultrasensitive enzyme-free electrochemical immunoassay for free thyroxine based on three dimensionally ordered macroporous chitosan-Au nanoparticles hybrid film. <i>Biosensors and Bioelectronics</i> , 2014, 59, 377-383.	10.1	28
14	Target-triggered triple isothermal cascade amplification strategy for ultrasensitive microRNA-21 detection at sub-attomole level. <i>Biosensors and Bioelectronics</i> , 2016, 85, 891-896.	10.1	25
15	An electrochemical biosensor for the detection of Pb <sup>2+</sup> based on G-quadruplex DNA and gold nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5879-5887.	3.7	24
16	Electrochemical immunosensor based on colloidal carbon sphere array. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1130-1136.	10.1	23
17	A flower-like NiO-SnO <sub>2</sub> nanocomposite and its non-enzymatic catalysis of glucose. <i>RSC Advances</i> , 2017, 7, 45177-45184.	3.6	22
18	Label-free electrochemical immunoassay for neuron specific enolase based on 3D macroporous reduced graphene oxide/polyaniline film. <i>Analytical Biochemistry</i> , 2018, 540-541, 1-8.	2.4	20

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19	Enhanced non-enzymatic glucose sensing based on porous ZIF-67 hollow nanoprisms. <i>New Journal of Chemistry</i> , 2021, 45, 10031-10039.	2.8	20
20	Room-temperature ionic liquid assisted fabrication of sensitive electrochemical immunosensor based on ordered macroporous gold film. <i>Analyst, The</i> , 2010, 135, 2629.	3.5	15
21	Self-template formation of porous Co <sub>3</sub> O <sub>4</sub> hollow nanoprisms for non-enzymatic glucose sensing in human serum. <i>RSC Advances</i> , 2020, 10, 38369-38377.	3.6	14
22	The electrochemical sensor for methanol detection based on trimetallic PtAuAg nanotubes. <i>Journal of Materials Science</i> , 2020, 55, 15681-15694.	3.7	14
23	A Sensitive Biosensor for Determination of Cu <sup>2+</sup> by One-Step Electrodeposition. <i>Electroanalysis</i> , 2016, 28, 1617-1624.	2.9	11
24	An electrochemical aptasensor electrocatalyst for detection of thrombin. <i>Analytical Biochemistry</i> , 2016, 500, 73-79.	2.4	10
25	Core-shell CdSeTe/ZnS quantum dots for the detection of microRNA-155 based on the fluorescence resonance energy transfer technique <i>via</i> the formation of a network structure. <i>Analytical Methods</i> , 2019, 11, 4137-4145.	2.7	8
26	Ultrasensitive Detection of Ochratoxin A With a Zeolite Imidazolate Frameworks Composite-Based Electrochemical Aptasensor. <i>Frontiers in Chemistry</i> , 2022, 10, 858107.	3.6	8
27	Preparation of the glucose sensor based on three-dimensional ordered macroporous gold film and room temperature ionic liquid. <i>Science in China Series B: Chemistry</i> , 2009, 52, 1999-2005.	0.8	7
28	A novel electrochemical immunosensor for hepatitis B surface antigen based on Fe <sub>3</sub> O <sub>4</sub> nanoflowers and heterogeneous chain reaction signal amplification strategy. <i>Talanta</i> , 2021, 221, 121459.	5.5	7
29	An electrochemical aptasensor for the milk allergen $\beta$ -lactoglobulin detection based on a target-induced nicking site reconstruction strategy. <i>Analyst, The</i> , 2021, 146, 6808-6814.	3.5	7
30	Electrocatalytic activity of core/shell magnetic nanocomposite. <i>Analytical Biochemistry</i> , 2014, 463, 45-53.	2.4	5
31	Facile construction of an Ag/MoSe <sub>2</sub> composite based non-enzymatic amperometric sensor for hydrogen peroxide. <i>Dalton Transactions</i> , 2022, 51, 5271-5277.	3.3	5
32	Highly Sensitive Amperometric $\alpha$ -Ketoglutarate Biosensor Based on Reduced Graphene Oxide-Gold Nanocomposites. <i>International Journal of Analytical Chemistry</i> , 2020, 2020, 1-10.	1.0	4
33	Efficient improvement in non-enzymatic glucose detection induced by the hollow prism-like NiCo <sub>2</sub> S <sub>4</sub> electrocatalyst. <i>Dalton Transactions</i> , 2021, 50, 15162-15169.	3.3	4
34	A Novel Nonenzymatic Hydrogen Peroxide Sensor Based on Magnetic Core-Shell Fe <sub>3</sub> O <sub>4</sub> @C/Au Nanoparticle Nanocomposite. <i>International Journal of Analytical Chemistry</i> , 2021, 2021, 1-10.	1.0	4