

# Jun Chen

## List of Publications by Year in descending order

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33  
papers

967  
citations

394421

19  
h-index

434195

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1234  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel non-invasive detection method for the FGFR3 gene mutation in maternal plasma for a fetal achondroplasia diagnosis based on signal amplification by hemin-MOFs/PtNPs. <i>Biosensors and Bioelectronics</i> , 2017, 91, 892-899.	10.1	80
2	Target triggered cleavage effect of DNAzyme: Relying on Pd-Pt alloys functionalized Fe-MOFs for amplified detection of Pb <sup>2+</sup> . <i>Biosensors and Bioelectronics</i> , 2018, 101, 297-303.	10.1	80
3	A sensitive sandwich-type immunosensor for the detection of galectin-3 based on N-GNRs-Fe-MOFs@AuNPs nanocomposites and a novel AuPt-methylene blue nanorod. <i>Biosensors and Bioelectronics</i> , 2018, 101, 253-259.	10.1	76
4	A natural polysaccharide mediated MOF-based Ce6 delivery system with improved biological properties for photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1481-1488.	5.8	72
5	A signal-decreased electrochemical immunosensor for the sensitive detection of LAG-3 protein based on a hollow nanobox-MOFs/AuPt alloy. <i>Biosensors and Bioelectronics</i> , 2018, 113, 148-156.	10.1	54
6	A novel sandwich aptasensor for detecting T-2 toxin based on rGO-TEPA-Au@Pt nanorods with a dual signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2019, 144, 111635.	10.1	50
7	Cerium dioxide-doped carboxyl fullerene as novel nanoprobe and catalyst in electrochemical biosensor for amperometric detection of the CYP2C19*2 allele in human serum. <i>Biosensors and Bioelectronics</i> , 2018, 102, 94-100.	10.1	44
8	Electrochemical indirect competitive immunoassay for ultrasensitive detection of zearalenone based on a glassy carbon electrode modified with carboxylated multi-walled carbon nanotubes and chitosan. <i>Mikrochimica Acta</i> , 2017, 184, 3339-3347.	5.0	42
9	Self-Assembling Porphyrins as a Single Therapeutic Agent for Synergistic Cancer Therapy: A One Stone Three Birds Strategy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 27856-27867.	8.0	40
10	Dandelion-like CuO microspheres decorated with Au nanoparticle modified biosensor for Hg <sup>2+</sup> detection using a T-Hg <sup>2+</sup> -T triggered hybridization chain reaction amplification strategy. <i>Biosensors and Bioelectronics</i> , 2019, 131, 207-213.	10.1	39
11	A dual-type responsive electrochemical immunosensor for quantitative detection of PCSK9 based on n-C60-PdPt/N-GNRs and Pt-poly (methylene blue) nanocomposites. <i>Biosensors and Bioelectronics</i> , 2018, 101, 7-13.	10.1	36
12	Sandwich-type biosensor for the detection of I±2,3-sialylated glycans based on fullerene-palladium-platinum alloy and 4-mercaptophenylboronic acid nanoparticle hybrids coupled with Au-methylene blue-MAL signal amplification. <i>Biosensors and Bioelectronics</i> , 2018, 102, 321-327.	10.1	34
13	Trimetallic signal amplification aptasensor for TSP-1 detection based on Ce-MOF@Au and AuPtRu nanocomposites. <i>Biosensors and Bioelectronics</i> , 2019, 132, 302-309.	10.1	33
14	Fabrication of pioneering 3D sakura-shaped metal-organic coordination polymers Cu@L-Glu phenomenal for signal amplification in highly sensitive detection of zearalenone. <i>Biosensors and Bioelectronics</i> , 2019, 129, 139-146.	10.1	31
15	An impedimetric biosensor for the diagnosis of renal cell carcinoma based on the interaction between 3-aminophenyl boronic acid and sialic acid. <i>Biosensors and Bioelectronics</i> , 2017, 92, 434-441.	10.1	24
16	Enzyme-induced multicolor colorimetric and electrochemiluminescence sensor with a smartphone for visual and selective detection of Hg <sup>2+</sup> . <i>Journal of Hazardous Materials</i> , 2021, 415, 125538.	12.4	24
17	A sensitive sandwich-type immunosensor for the detection of MCP-1 based on a rGO-TEPA-Thi-Au nanocomposite and novel RuPdPt trimetallic nanoalloy particles. <i>Biosensors and Bioelectronics</i> , 2019, 131, 67-73.	10.1	23
18	Ultra-sensitive detection of microcystin-LR with a new dual-mode aptasensor based on MoS <sub>2</sub> -PtPd and ZIF-8-Thi-Au. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127280.	7.8	23

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19	Maternal exposure to CeO <sub>2</sub> NPs during early pregnancy impairs pregnancy by inducing placental abnormalities. <i>Journal of Hazardous Materials</i> , 2020, 389, 121830.	12.4	21
20	Recent Progress in in vitro Models for Atherosclerosis Studies. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 790529.	2.4	21
21	Dual-type responsive electrochemical biosensor for the detection of $\pm$ 2,6-sialylated glycans based on AuNRs-SA coupled with c-SWCNHs/S-PtNC nanocomposites signal amplification. <i>Biosensors and Bioelectronics</i> , 2019, 130, 166-173.	10.1	19
22	Amperometric myeloperoxidase immunoassay based on the use of CuPdPt nanowire networks. <i>Mikrochimica Acta</i> , 2018, 185, 55.	5.0	18
23	Chem-inspired synthesis of injectable metal-organic hydrogels for programmable drug carriers, hemostasis and synergistic cancer treatment. <i>Chemical Engineering Journal</i> , 2021, 423, 130202.	12.7	17
24	A trimetallic CuAuPd nanowire as a multifunctional nanocomposites applied to ultrasensitive electrochemical detection of Sema3E. <i>Biosensors and Bioelectronics</i> , 2019, 145, 111677.	10.1	11
25	PdPt nanoparticles anchored on the N-G with the integration of PANI nano hybrids as novel redox probe and catalyst for the detection of rs1801177. <i>Biosensors and Bioelectronics</i> , 2018, 102, 403-410.	10.1	9
26	DNAzyme assisted recycling amplification method for ultrasensitive amperometric determination of lead(II) based on the use of a hairpin assembly on a composite prepared from nitrogen doped graphene, perylene tetracarboxylic anhydride, thionine and gold nanoparticles. <i>Mikrochimica Acta</i> , 2019, 186, 677.	5.0	9
27	Functionalized Ag/Fe-MOFs nanocomposite as a novel endogenous redox mediator for determination of $\pm$ 2,6-sialylated glycans in serum. <i>Mikrochimica Acta</i> , 2020, 187, 649.	5.0	9
28	Maternal exposure to CeO <sub>2</sub> NPs derails placental development through trophoblast dysfunction mediated by excessive autophagy activation. <i>Journal of Nanobiotechnology</i> , 2022, 20, 131.	9.1	8
29	A new sight for detecting the ADRB1 gene mutation to guide a therapeutic regimen for hypertension based on a CeO <sub>2</sub> -doped nanoprobe. <i>Biosensors and Bioelectronics</i> , 2017, 92, 402-409.	10.1	7
30	A novel light-electricity sensing method for PCSK9 detection based on s-PdNFs with multifunctional property. <i>Biosensors and Bioelectronics</i> , 2019, 144, 111575.	10.1	5
31	A palladium-platinum bimetal nanodendritic melamine network for signal amplification in voltammetric sensing of DNA. <i>Mikrochimica Acta</i> , 2018, 185, 138.	5.0	4
32	Theranostics of atherosclerosis by the indole molecule-templated self-assembly of probucol nanoparticles. <i>Journal of Materials Chemistry B</i> , 2021, 9, 4134-4142.	5.8	4
33	VE-cadherin N-glycosylation modified by N-acetylglucosaminyltransferase V regulates VE-cadherin-catenin interaction and monocyte adhesion. <i>Experimental Physiology</i> , 2021, 106, 1869-1877. <sup>2.0</sup>		0