

# Yun-Hui Yang

## List of Publications by Year in descending order

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29  
papers

1,330  
citations

430754

18  
h-index

477173

29  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1847  
citing authors

#	ARTICLE	IF	CITATIONS
1	Platinum nanoparticles-doped sol-gel/carbon nanotubes composite electrochemical sensors and biosensors. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1125-1131.	5.3	338
2	Metal-Organic Framework Nanomaterials as Novel Signal Probes for Electron Transfer Mediated Ultrasensitive Electrochemical Immunoassay. <i>Analytical Chemistry</i> , 2016, 88, 12516-12523.	3.2	150
3	Bifunctional MOFs-Based Ratiometric Electrochemical Sensor for Multiplex Heavy Metal Ions. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 30770-30778.	4.0	112
4	Electrical detection of deoxyribonucleic acid hybridization based on carbon-nanotubes/nano zirconium dioxide/chitosan-modified electrodes. <i>Analytica Chimica Acta</i> , 2007, 584, 268-274.	2.6	109
5	2D-porphrinic covalent organic framework-based aptasensor with enhanced photoelectrochemical response for the detection of C-reactive protein. <i>Biosensors and Bioelectronics</i> , 2019, 129, 64-71.	5.3	86
6	DLISA: A DNAzyme-Based ELISA for Protein Enzyme-Free Immunoassay of Multiple Analytes. <i>Analytical Chemistry</i> , 2015, 87, 7746-7753.	3.2	56
7	Determination of pesticides in vegetable samples using an acetylcholinesterase biosensor based on nanoparticles ZrO <sub>2</sub> /chitosan composite film. <i>International Journal of Environmental Analytical Chemistry</i> , 2005, 85, 163-175.	1.8	43
8	An ultrasensitive label-free immunoassay for C-reactive protein detection in human serum based on electron transfer. <i>Analytical Methods</i> , 2016, 8, 6202-6207.	1.3	41
9	Gold nanocage-based lateral flow immunoassay for immunoglobulin G. <i>Mikrochimica Acta</i> , 2017, 184, 2023-2029.	2.5	41
10	Fe-MOFs as signal probes coupling with DNA tetrahedral nanostructures for construction of ratiometric electrochemical aptasensor. <i>Analytica Chimica Acta</i> , 2020, 1135, 123-131.	2.6	34
11	A competitive microcystin-LR immunosensor based on Au NPs@metal-organic framework (MIL-101). <i>Chinese Chemical Letters</i> , 2019, 30, 664-667.	4.8	33
12	An ultrasensitive aptamer biosensor for the detection of codeine based on a Au nanoparticle/polyamidoamine dendrimer-modified screen-printed carbon electrode. <i>Analytical Methods</i> , 2016, 8, 1091-1095.	1.3	30
13	Electrochemical detection of C-reactive protein using functionalized iridium nanoparticles/graphene oxide as a tag. <i>RSC Advances</i> , 2020, 10, 9723-9729.	1.7	28
14	Preparation of an OTA aptasensor based on a metal-organic framework. <i>Analytical Methods</i> , 2018, 10, 3273-3279.	1.3	27
15	Direct electrodeposition of gold nanotube arrays of rough and porous wall by cyclic voltammetry and its applications of simultaneous determination of ascorbic acid and uric acid. <i>Materials Science and Engineering C</i> , 2012, 32, 1323-1330.	3.8	26
16	A universal aptameric biosensor: Multiplexed detection of small analytes via aggregated perylene-based broad-spectrum quencher. <i>Biosensors and Bioelectronics</i> , 2017, 92, 40-46.	5.3	26
17	A non-enzymatic electrochemical immunosensor for microcystin-LR rapid detection based on Ag@MSN nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 490, 336-342.	2.3	24
18	Amperometric immunosensor based on covalent organic frameworks and Pt/Ru/C nanoparticles for the quantification of C-reactive protein. <i>Mikrochimica Acta</i> , 2020, 187, 320.	2.5	21

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19	Direct determination of pesticides in vegetable samples using gold nanoelectrode ensembles. <i>International Journal of Environmental Analytical Chemistry</i> , 2008, 88, 813-824.	1.8	17
20	Iodide/metal-organic frameworks (MOF) -mediated signal amplification strategy for the colorimetric detection of H <sub>2</sub> O <sub>2</sub> , Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> and H <sub>2</sub> S. <i>Analytica Chimica Acta</i> , 2021, 1159, 338378.	2.6	17
21	Iodide-enhanced Co/Fe-MOFs nanozyme for sensitively colorimetric detection of H <sub>2</sub> S. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 262, 120117.	2.0	12
22	Highly sensitive and convenient aptasensor based on Au NPs@Ce-TpBpy COF for quantitative determination of zearalenone. <i>RSC Advances</i> , 2022, 12, 17312-17320.	1.7	12
23	Development of Aflatoxin B1 Aptamer Sensor Based on Iron Porphyrin Organic Porous Material. <i>Food Analytical Methods</i> , 2021, 14, 537-544.	1.3	11
24	An electrochemical immunosensor coupling a bamboo-like carbon nanostructure substrate with toluidine blue-functionalized Cu(II)-MOFs as signal probes for a C-reactive protein assay. <i>RSC Advances</i> , 2021, 11, 6699-6708.	1.7	11
25	Direct Determination of Uric Acid Based on Pd Nanoparticles Electrodepositing onto Anatase-Type TiO <sub>2</sub> Nanoparticles/Chitosan Film-Modified Electrode. <i>Analytical Letters</i> , 2008, 41, 2860-2876.	1.0	9
26	Amperometric Determination of Inositol Based on Electrocatalytic Oxidation on a Glass Carbon Electrode Modified by Nickel Hexacyanoferrate Films. <i>Analytical Letters</i> , 2006, 39, 361-372.	1.0	6
27	Iodide-enhanced Cu-MOF nanomaterials for the amplified colorimetric detection of Fe <sup>3+</sup> . <i>Analytical Methods</i> , 2021, 13, 5851-5858.	1.3	5
28	A layer-by-layer assembly label-free electrochemical immunosensor for the detection of microcystin-LR based on CHIT/PAMAM dendrimer/silver nanocubes. <i>International Journal of Environmental Analytical Chemistry</i> , 2016, 96, 284-297.	1.8	4
29	A target-induced inner-filter effect-based ratiometric sensing platform by fluorescence modulation of persistent luminescent nanoparticles and 2,3-diaminophenazine. <i>New Journal of Chemistry</i> , 2022, 46, 13896-13904.	1.4	1