Chenglin Hong

List of Publications by Year
in descending order

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56	1,014	393982	500791
papers	citations	19 h-index	28 g-index

56	56	56	995
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A sandwich-type electrochemical immunosensor for carcinoembryonic antigen based on signal amplification strategy of optimized ferrocene functionalized Fe3O4@SiO2 as labels. Biosensors and Bioelectronics, 2016, 79, 48-54.	5.3	94
2	Enhancement of carcinoembryonic antibody immobilization on gold electrode modified by gold nanoparticles and SiO2/Thionine nanocomposite. Journal of Electroanalytical Chemistry, 2009, 628, 90-96.	1.9	53
3	An electrochemical immunosensor for simultaneous point-of-care cancer markers based on the hostâ€“guest inclusion of Î²-cyclodextrinâ€“graphene oxide. Journal of Materials Chemistry B, 2016, 4, 990-996.	2.9	51
4	An immunosensor using functionalized Cu2O/Pt NPs as the signal probe for rapid and highly sensitive CEA detection with colorimetry and electrochemistry dual modes. Sensors and Actuators B: Chemical, 2021, 341, 130032.	4.0	39
5	An electrochemical immunosensor for CEA detection based on Au-Ag/rGO@PDA nanocomposites as integrated double signal amplification strategy. Microchemical Journal, 2019, 151, 104223.	2.3	35
6	Optimal film thickness of rGO/MoS2 @ polyaniline nanosheets of 3D arrays for carcinoembryonic antigen high sensitivity detection. Microchemical Journal, 2020, 155, 104694.	2.3	35
7	Sandwich-type electrochemical immunosensor constructed using three-dimensional lamellar stacked CoS2@C hollow nanotubes prepared by template-free method to detect carcinoembryonic antigen. Analytica Chimica Acta, 2019, 1088, 54-62.	2.6	34
8	Heavy metal contamination of urban topsoil in a petrochemical industrial city in Xinjiang, China. Journal of Arid Land, 2016, 8, 871-880.	0.9	31
9	Graphene oxide stabilized Cu2O for shape selective nanocatalysis. Journal of Materials Chemistry A, 2014, 2, 7147.	5.2	28
10	Ferrocenyl-doped silica nanoparticles as an immobilized affinity support for electrochemical immunoassay of cancer antigen 15-3. Analytica Chimica Acta, 2009, 633, 244-249.	2.6	27
11	A novel sensitive and selective electrochemical sensor based on integration of molecularly imprinted with hollow silver nanospheres for determination of carbamazepine. Microchemical Journal, 2019, 147, 191-197.	2.3	26
12	Graphene oxide supported rhombic dodecahedral Cu2O nanocrystals for the detection of carcinoembryonic antigen. Analytical Biochemistry, 2016, 494, 101-107.	1.1	24
13	A sandwich-type electrochemical immunosensor for detecting CEA based on CeO2-MoS2 absorbed Pb2+. Analytical Biochemistry, 2020, 592, 113566.	1.1	24
14	A sandwich-type electrochemical immunosensor for ultrasensitive detection of multiple tumor markers using an electrical signal difference strategy. Talanta, 2020, 219, 121322.	2.9	24
15	PSA detection electrochemical immunosensor based on MOF-235 nanomaterial adsorption aggregation signal amplification strategy. Microchemical Journal, 2021, 171, 106870.	2.3	23
16	Amperometric Immunosensor for the Determination of Î±â€1â€Fetoprotein Based on Coreâ€Shellâ€Shell Prussian Blueâ€BSAâ€Nanogold Functionalized Interface. Electroanalysis, 2008, 20, 2185-2191.	1.5	21
17	Ultrasensitive amperometric immunosensor for the determination of carcinoembryonic antigen based on a porous chitosan and gold nanoparticles functionalized interface. Mikrochimica Acta, 2009, 167, 217-224.	2.5	21
18	Enzyme-free sandwich-type electrochemical immunosensor for CEA detection based on the cooperation of an Ag/g-C3N4-modified electrode and Au@SiO2/Cu2O with core-shell structure. Bioelectrochemistry, 2021, 142, 107931.	2.4	21

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19	First use of inorganic copper silicate-transduced enzyme-free electrochemical immunosensor for carcinoembryonic antigen detection. Sensors and Actuators B: Chemical, 2020, 319, 128311.	4.0	21
20	Porous redox-active Cu2Oâ€“SiO2 nanostructured film: Preparation, characterization and application for a label-free amperometric ferritin immunosensor. Talanta, 2009, 78, 596-601.	2.9	20
21	Microwave-assisted preparation of ZnFe2O4-Ag/rGO nanocomposites for amplification signal detection of alpha-fetoprotein. Bioelectrochemistry, 2020, 132, 107434.	2.4	20
22	Electrochemical immunosensor using artificial enzyme-induced metallization for the ultra-sensitive detection of alpha fetoprotein. Sensors and Actuators B: Chemical, 2021, 344, 130258.	4.0	19
23	3D graphene/MWNTs nano-frameworks embedded Ag-Au bimetallic NPs for carcinoembryonic antigen detection. Microchemical Journal, 2019, 148, 548-554.	2.3	18
24	Sensitive detection of carcinoembryonic antigen (CEA) by a sandwich-type electrochemical immunosensor using MOF-Ce@HA/Ag-HRP-Ab₂ as a nanoprobe. Nanotechnology, 2020, 31, 185605.	1.3	18
25	Ti3C2 MXene anchors CuAu-LDH multifunctional two-dimensional nanomaterials for dual-mode detection of CEA in electrochemical immunosensors. Bioelectrochemistry, 2021, 142, 107943.	2.4	18
26	A sandwich-type electrochemical immunosensor using Ag@CeO2-Au as a lable for sensitive detection of carcinoembryonic antigen. Microchemical Journal, 2020, 159, 105415.	2.3	17
27	An immunosensor detects carcinoembryonic antigen by a double reduction strategy based on polyphenylamine as a sacrifice reducing agent. International Journal of Hydrogen Energy, 2020, 45, 5055-5066.	3.8	16
28	A sandwich-type electrochemical immunosensor for ultrasensitive detection of CEA based on coreâ€“shell Cu2O@Cu-MOF@Au NPs nanostructure attached with HRP for triple signal amplification. Journal of Materials Science, 2020, 55, 13980-13994.	1.7	16
29	Ultrasensitive electrochemical immunosensor based on the signal amplification strategy of the competitive reaction of Zn2+ and ATP ions to construct a â€œsignal onâ€•mode GOx-HRP enzyme cascade reaction. Mikrochimica Acta, 2021, 188, 61.	2.5	16
30	Smart activatable fluorescent probe provides high-quality signal-to-noise ratio and detection limits for electrochemiluminescence. Sensors and Actuators B: Chemical, 2022, 356, 131363.	4.0	12
31	BiomoleculeâEDoped Organic/Inorganic Hybrid Nanocomposite Film for LabelâEFree Electrochemical Immunoassay of Î±â€1â€Fetoprotein. Electroanalysis, 2008, 20, 989-995.	1.5	11
32	A porous CuO nanowire-based signal amplification immunosensor for the detection of carcinoembryonic antigens. RSC Advances, 2016, 6, 16982-16987.	1.7	11
33	Electrochemical immunosensor for alphaâ€fetoprotein based on prussian blueâ€carbon nanotube@polydopamine. Micro and Nano Letters, 2018, 13, 58-62.	0.6	11
34	Bimetallic PtCu nanoparticles supported on molybdenum disulfideâ€“functionalized graphitic carbon nitride for the detection of carcinoembryonic antigen. Mikrochimica Acta, 2020, 187, 538.	2.5	11
35	Functionalized polyaniline based on protonic acid doping as a direct electron mediator to amplify sensor signals. Journal of Molecular Structure, 2020, 1209, 127924.	1.8	11
36	Differences in Performance of Immunosensors Constructed Based on CeO₂-Simulating Auxiliary Enzymes. ACS Biomaterials Science and Engineering, 2021, 7, 1058-1064.	2.6	11

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37	A novel electrochemical immunosensor based on CoS₂ for early screening of tumor marker carcinoembryonic antigen. New Journal of Chemistry, 2020, 44, 3524-3532.	1.4	10
38	An immunosensor detects carcinoembryonic antigen by dual catalytic signal enhancer-hydrogen peroxide based on in-situ reduction of silver nanoparticles with dopamine and graphene high-load cobalt tetroxide. Microchemical Journal, 2021, 160, 105602.	2.3	10
39	Electrochemical sensor for a photoassisted heterogeneous Fenton self-oxidation signal amplification strategy. Sensors and Actuators B: Chemical, 2020, 324, 128772.	4.0	9
40	Construction of a â€œSignal Onâ€•Electrochemical Immunosensor Based on Light Induction. ACS Sustainable Chemistry and Engineering, 2021, 9, 13788-13797.	3.2	9
41	Seasonal variations of mercury levels and human health risk in vegetables from Arid Oasis (Shihezi) Tj ETQq1 1 0.784314 rgBT /Overlo	1.7	8
42	An immunosensor based on an electrochemical-chemical-chemical advanced redox cycle amplification strategy for the ultrasensitive determination of CEA. Analytica Chimica Acta, 2021, 1170, 338647.	2.6	8
43	The electrochemical immunosensor of the "signal on" strategy that activates MMoO4 (MÂ= Co, Ni) peroxidase with Cu2+ to achieve ultrasensitive detection of CEA. Analytica Chimica Acta, 2021, 1176, 338757.	2.6	8
44	An electrochemical immunosensor for the detection of carcinoembryonic antigen based on Au/g-C3N4 NSs-modified electrode and CuCo/CNC as signal tag. Mikrochimica Acta, 2021, 188, 408.	2.5	8
45	Multi-walled carbon nanotubesâ€“chitosan with a branched structure modified with ferrocenecarboxylic acid for carcinoembryonic antigen detection. Analytical Methods, 2015, 7, 10032-10039.	1.3	7
46	Ultrasensitive immunosensor for AFP detection based on Cu ₂ O to generate electrical signals. Micro and Nano Letters, 2020, 15, 125-129.	0.6	7
47	The Synergistic Effect of Ferrocene and Cu₂O to Construct a Sandwich-Type Multi-Signal Amplification Ultra-Sensitive Immunosensor for Carcinoembryonic Antigen Detection. Journal of the Electrochemical Society, 2020, 167, 027538.	1.3	7
48	Application of a CuS/Au heterostructure with peroxidase-like activity in immunosensors. New Journal of Chemistry, 2022, 46, 13963-13970.	1.4	6
49	Temperature Platform Constructed Using a Cu₂Oâ€“Cu₃₁S₁₆ Photothermal Conversion System for the Simple Quantitative Analysis of Tumor Markers. ACS Sustainable Chemistry and Engineering, 2022, 10, 8517-8525.	3.2	6
50	In-vitro and in-vivo monitoring of gold(III) ions from intermediate metabolite of sodium aurothiomalate through water-soluble ruthenium (II) complex-based luminescent probe. Bioorganic Chemistry, 2021, 110, 104749.	2.0	5
51	The application of the inexpensive and synthetically simple electrocatalyst CuFe-MoC@NG in immunosensors. Analyst, The, 2021, 146, 5421-5428.	1.7	4
52	An electrochemiluminescence immunosensor based on Ag-Ti3C2 MXene and CNNVs with multiple signal amplification strategies. Bioelectrochemistry, 2022, 146, 108131.	2.4	4
53	Ultrasensitive immunosensor for detecting CEA based on double amplified signal of graphene loaded CoFe 2 O 4 /AgÂnanoparticles. Micro and Nano Letters, 2021, 16, 257-262.	0.6	3
54	Detection of AFP by Electrochemical Immunosensor Based on Ag/Fe 3 O 4 /gâ€Ć 3 N 4. ChemistrySelect, 2021, 6, 3394-3398.	0.7	3

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55	Cu2O rhombic dodecahedra as a superexcellent electroactive substance for ultrasensitive electrochemical immunosensors. Analytical Methods, 2016, 8, 1307-1312.	1.3	2
56	Adsorption and desorption of Hg(II) by three typical soils around the chlor-alkali industry. Human and Ecological Risk Assessment (HERA), 2017, 23, 1601-1609.	1.7	2