

Min Zhao

List of Publications by Year in descending order

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38
papers

1,730
citations

304743

22
h-index

315739

38
g-index

40
all docs

40
docs citations

40
times ranked

1858
citing authors

#	ARTICLE	IF	CITATIONS
1	Voltammetric aptasensor for sulfadimethoxine using a nanohybrid composed of multifunctional fullerene, reduced graphene oxide and Pt@Au nanoparticles, and based on direct electron transfer to the active site of glucose oxidase. <i>Mikrochimica Acta</i> , 2019, 186, 1.	5.0	403
2	Electrochemiluminescence Resonance Energy Transfer System: Mechanism and Application in Ratiometric Aptasensor for Lead Ion. <i>Analytical Chemistry</i> , 2015, 87, 7787-7794.	6.5	147
3	Ultrasensitive Apurinic/Apyrimidinic Endonuclease 1 Immunosensing Based on Self-Enhanced Electrochemiluminescence of a Ru(II) Complex. <i>Analytical Chemistry</i> , 2014, 86, 1053-1060.	6.5	121
4	Electrochemical biosensor for ultrasensitive exosomal miRNA analysis by cascade primer exchange reaction and MOF@Pt@MOF nanozyme. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112554.	10.1	112
5	Amperometric DNA biosensor for <i>Mycobacterium tuberculosis</i> detection using flower-like carbon nanotubes-polyaniline nanohybrid and enzyme-assisted signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2018, 119, 215-220.	10.1	71
6	An electrochemical aptasensor for highly sensitive detection of zearalenone based on PEI-MoS ₂ -MWCNTs nanocomposite for signal enhancement. <i>Analytica Chimica Acta</i> , 2019, 1060, 71-78.	5.4	71
7	Hollow Porous Polymeric Nanospheres of a Self-Enhanced Ruthenium Complex with Improved Electrochemiluminescent Efficiency for Ultrasensitive Aptasensor Construction. <i>Analytical Chemistry</i> , 2017, 89, 9232-9238.	6.5	69
8	High-sensitive and multiplex biosensing assay of NSCLC-derived exosomes via different recognition sites based on SPRi array. <i>Biosensors and Bioelectronics</i> , 2020, 154, 112066.	10.1	63
9	Collapse of DNA Tetrahedron Nanostructure for "On-Off" Fluorescence Detection of DNA Methyltransferase Activity. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40087-40093.	8.0	54
10	Surface plasmon resonance imaging-based biosensor for multiplex and ultrasensitive detection of NSCLC-associated exosomal miRNAs using DNA programmed heterostructure of Au-on-Ag. <i>Biosensors and Bioelectronics</i> , 2021, 175, 112835.	10.1	53
11	Electrochemiluminescence of Supramolecular Nanorods and Their Application in the "On-Off" Detection of Copper Ions. <i>Chemistry - A European Journal</i> , 2016, 22, 8207-8214.	3.3	49
12	An enzyme-free and label-free surface plasmon resonance biosensor for ultrasensitive detection of fusion gene based on DNA self-assembly hydrogel with streptavidin encapsulation. <i>Biosensors and Bioelectronics</i> , 2018, 112, 120-126.	10.1	46
13	Efficient DNA Walker Guided with Well-Regulated Interfacial Tracks for Ultrasensitive Electrochemiluminescence Biosensing. <i>Analytical Chemistry</i> , 2020, 92, 15624-15631.	6.5	38
14	An enzyme-free electrochemiluminescence biosensor for ultrasensitive assay of Group B Streptococci based on self-enhanced luminol complex functionalized CuMn-CeO ₂ nanospheres. <i>Biosensors and Bioelectronics</i> , 2019, 127, 167-173.	10.1	32
15	An "on-off" electrochemiluminescence immunosensor for PIVKA-II detection based on the dual quenching of CeO ₂ @Au-g-C ₃ N ₄ hybrids by Ag nanocubes-VB ₂ . <i>Biosensors and Bioelectronics</i> , 2021, 179, 113059.	10.1	28
16	An Enzyme-Free "ON-OFF" Electrochemiluminescence Biosensor for Ultrasensitive Detection of PML/RAR \pm based on Target-Switched DNA Nanotweezer. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 3715-3721.	8.0	26
17	Monolayer rubrene functionalized graphene-based electrochemiluminescence biosensor for serum cystatin C detection with immunorecognition-induced 3D DNA machine. <i>Biosensors and Bioelectronics</i> , 2019, 127, 126-134.	10.1	25
18	Electrochemical sandwich immunoassay for insulin detection based on the use of gold nanoparticle-modified MoS ₂ nanosheets and the hybridization chain reaction. <i>Mikrochimica Acta</i> , 2019, 186, 6.	5.0	25

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19	An aptamer based voltammetric biosensor for endotoxins using a functionalized graphene and molybdenum disulfide composite as a new nanocarrier. <i>Analyst, The</i> , 2019, 144, 1253-1259.	3.5	24
20	Luminol-based ternary electrochemiluminescence nanospheres as signal tags and target-triggered strand displacement reaction as signal amplification for highly sensitive detection of <i>Helicobacter pylori</i> DNA. <i>Sensors and Actuators B: Chemical</i> , 2019, 293, 304-311.	7.8	23
21	Novel Protease-Free Long-Lasting Chemiluminescence System Based on the Dox-ABEI Chimeric Magnetic DNA Hydrogel for Ultrasensitive Immunoassay. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 47270-47277.	8.0	23
22	An efficient electrochemical assay for miR-3675-3p in human serum based on the nanohybrid of functionalized fullerene and metal-organic framework. <i>Analytica Chimica Acta</i> , 2020, 1140, 78-88.	5.4	23
23	An enzyme-free surface plasmon resonance imaging biosensing method for highly sensitive detection of microRNA based on catalytic hairpin assembly and spherical nucleic acid. <i>Analytica Chimica Acta</i> , 2020, 1108, 21-27.	5.4	23
24	Functional fullerene-molybdenum disulfide fabricated electrochemical DNA biosensor for Sul1 detection using enzyme-assisted target recycling and a new signal marker for cascade amplification. <i>Sensors and Actuators B: Chemical</i> , 2020, 305, 127483.	7.8	22
25	An integrated electrochemical biosensor based on target-triggered strand displacement amplification and a four-way DNA junction towards ultrasensitive detection of PIK3CA gene mutation. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111954.	10.1	21
26	Dual signal amplification strategy for the fabrication of an ultrasensitive electrochemiluminescent aptasensor. <i>Analyst, The</i> , 2013, 138, 6639.	3.5	19
27	PtCo nanocubes/reduced graphene oxide hybrids and hybridization chain reaction-based dual amplified electrochemiluminescence immunosensing of antimyelo peroxidase. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111548.	10.1	19
28	Ultrasensitive electrochemiluminescent immunosensing based on trimetallic Au-Pd-Pt/MoS ₂ nanosheet as coreaction accelerator and self-enhanced ABEI-centric complex. <i>Analytica Chimica Acta</i> , 2020, 1125, 86-93.	5.4	17
29	CeO ₂ /MXene heterojunction-based ultrasensitive electrochemiluminescence biosensing for BCR-ABL fusion gene detection combined with dual-toehold strand displacement reaction for signal amplification. <i>Biosensors and Bioelectronics</i> , 2022, 210, 114287.	10.1	16
30	Eco-Friendly Preparation of Epoxy-Rich Graphene Oxide for Wound Healing. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 752-763.	5.2	14
31	A novel electrochemical biosensor based on peptidoglycan and platinum-nickel-copper nano-cube for rapid detection of Gram-positive bacteria. <i>Mikrochimica Acta</i> , 2020, 187, 607.	5.0	12
32	An off-on electrochemiluminescence biosensor coupled with strand displacement-powered 3D micromolecule walking nanomachine for ultrasensitive detection of adenosine triphosphate. <i>Mikrochimica Acta</i> , 2021, 188, 237.	5.0	9
33	A noncovalent Ru(phen) ₃ ²⁺ @CNTs nanocomposite and its application as a solid-state electrochemiluminescence signal probe. <i>RSC Advances</i> , 2014, 4, 1955-1960.	3.6	8
34	Effects of CD25siRNA gene transfer on high-risk rat corneal graft rejection. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2015, 253, 1765-1776.	1.9	8
35	Rapid detection of carbapenem-resistant Enterobacteriaceae using pH response based on vancomycin-modified Fe ₃ O ₄ @Au nanoparticle enrichment and the carbapenemase hydrolysis reaction. <i>Analytical Methods</i> , 2020, 12, 104-111.	2.7	7
36	Detection of BCR/ABL Fusion Gene Based on MNzyme-mediated Target Recycling and ssDNA-assisted Cascade Hybridization Reaction. <i>Electroanalysis</i> , 2018, 30, 2427-2433.	2.9	5

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37	A Nonlinear Compensatory Principle and Method of Human Vision Contrast Resolution (HVCR). , 2009, ,		2
38	Molybdenum disulfide@5-carboxyfluorescein-probe biosensor for unamplified specific fragment detection in long nucleic acids based on magnetic composite probe-actuated deblocking of secondary structure. Analytical Methods, 2020, 12, 4813-4822.	2.7	1