

Min Wei

List of Publications by Year in descending order

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65
papers

2,017
citations

201385

27
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264894

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all docs

65
docs citations

65
times ranked

2344
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel acetylcholinesterase biosensor based on ionic liquids-AuNPs-porous carbon composite matrix for detection of organophosphate pesticides. <i>Sensors and Actuators B: Chemical</i> , 2015, 211, 290-296.	4.0	99
2	Boron-doped diamond nanograss array for electrochemical sensors. <i>Chemical Communications</i> , 2009, 3624.	2.2	94
3	Visual, Label-Free Telomerase Activity Monitor via Enzymatic Etching of Gold Nanorods. <i>Analytical Chemistry</i> , 2017, 89, 12094-12100.	3.2	77
4	Selective Determination of Dopamine on a Boron-Doped Diamond Electrode Modified with Gold Nanoparticle/Polyelectrolyte-coated Polystyrene Colloids. <i>Advanced Functional Materials</i> , 2008, 18, 1414-1421.	7.8	75
5	A simple and sensitive electrochemiluminescence aptasensor for determination of ochratoxin A based on a nicking endonuclease-powered DNA walking machine. <i>Food Chemistry</i> , 2019, 282, 141-146.	4.2	75
6	Electrochemical aptasensor for aflatoxin B1 based on smart host-guest recognition of β -cyclodextrin polymer. <i>Biosensors and Bioelectronics</i> , 2019, 129, 58-63.	5.3	74
7	Determination of organophosphate pesticides using an acetylcholinesterase-based biosensor based on a boron-doped diamond electrode modified with gold nanoparticles and carbon spheres. <i>Mikrochimica Acta</i> , 2014, 181, 121-127.	2.5	72
8	Novel Fluorescence Switch for MicroRNA Imaging in Living Cells Based on DNAzyme Amplification Strategy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 43405-43410.	4.0	72
9	Ratiometric fluorescence sensor for organophosphorus pesticide detection based on opposite responses of two fluorescence reagents to MnO ₂ nanosheets. <i>Biosensors and Bioelectronics</i> , 2019, 145, 111705.	5.3	71
10	Sensitive colorimetric detection of glucose and cholesterol by using Au@Ag core-shell nanoparticles. <i>RSC Advances</i> , 2016, 6, 35001-35007.	1.7	70
11	Electrochemical Detection of Catechol Based on As-Grown and Nanograss Array Boron-Doped Diamond Electrodes. <i>Electroanalysis</i> , 2010, 22, 199-203.	1.5	65
12	Label-Free Detection of Telomerase Activity in Urine Using Telomerase-Responsive Porous Anodic Alumina Nanochannels. <i>Analytical Chemistry</i> , 2016, 88, 8107-8114.	3.2	64
13	A simple, fast, label-free colorimetric method for detection of telomerase activity in urine by using hemin-graphene conjugates. <i>Biosensors and Bioelectronics</i> , 2017, 87, 600-606.	5.3	63
14	Label-free ultrasensitive detection of telomerase activity via multiple telomeric hemin/G-quadruplex triggered polyaniline deposition and a DNA tetrahedron-structure regulated signal. <i>Chemical Communications</i> , 2016, 52, 1796-1799.	2.2	57
15	Development of acetylcholinesterase biosensor based on platinum-carbon aerogels composite for determination of organophosphorus pesticides. <i>Food Control</i> , 2014, 36, 49-54.	2.8	51
16	Ultrasensitive aptasensor with DNA tetrahedral nanostructure for Ochratoxin A detection based on hemin/G-quadruplex catalyzed polyaniline deposition. <i>Sensors and Actuators B: Chemical</i> , 2018, 276, 1-7.	4.0	47
17	Chiroplasmonic Assemblies of Gold Nanoparticles for Ultrasensitive Detection of 8-Hydroxy-2'-deoxyguanosine in Human Serum Sample. <i>Analytical Chemistry</i> , 2016, 88, 6509-6514.	3.2	46
18	Application of Spectral Crosstalk Correction for Improving Multiplexed MicroRNA Detection Using a Single Excitation Wavelength. <i>Analytical Chemistry</i> , 2017, 89, 3430-3436.	3.2	44

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19	Label-free electrochemical detection of methyltransferase activity and inhibitor screening based on endonuclease HpaII and the deposition of polyaniline. <i>Biosensors and Bioelectronics</i> , 2015, 73, 188-194.	5.3	39
20	Enhancing hydrogel-based long-lasting chemiluminescence by a platinum-metal organic framework and its application in array detection of pesticides and α -amino acids. <i>Nanoscale</i> , 2020, 12, 4959-4967.	2.8	38
21	A sensitive, label-free electrochemical detection of telomerase activity without modification or immobilization. <i>Biosensors and Bioelectronics</i> , 2017, 91, 347-353.	5.3	37
22	Simultaneous electrochemical determination of ochratoxin A and fumonisin B1 with an aptasensor based on the use of a Y-shaped DNA structure on gold nanorods. <i>Mikrochimica Acta</i> , 2020, 187, 102.	2.5	35
23	A novel gold nanostars-based fluorescent aptasensor for aflatoxin B1 detection. <i>Talanta</i> , 2020, 209, 120599.	2.9	33
24	A signal on-off fluorescence sensor based on the self-assembly DNA tetrahedron for simultaneous detection of ochratoxin A and aflatoxin B1. <i>Analytica Chimica Acta</i> , 2022, 1198, 339566.	2.6	33
25	A novel impedimetric aptasensor based on AuNPs@carboxylic porous carbon for the ultrasensitive detection of ochratoxin A. <i>RSC Advances</i> , 2017, 7, 28655-28660.	1.7	32
26	Amperometric determination of organophosphate pesticides using an acetylcholinesterase based biosensor made from nitrogen-doped porous carbon deposited on a boron-doped diamond electrode. <i>Mikrochimica Acta</i> , 2017, 184, 3461-3468.	2.5	30
27	Ultrasensitive photometric and visual determination of organophosphorus pesticides based on the inhibition of enzyme-triggered formation of core-shell gold-silver nanoparticles. <i>Mikrochimica Acta</i> , 2016, 183, 2941-2948.	2.5	28
28	A sensitive fluorescence "turn-off" biosensor for poly(ADP-ribose) polymerase-1 detection based on cationic conjugated polymer-MnO ₂ nanosheets. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1047-1053.	4.0	27
29	Comparison of Boron-Doped Diamond and Glassy Carbon Electrodes for Determination of Procaine Hydrochloride. <i>Electroanalysis</i> , 2008, 20, 137-143.	1.5	26
30	Counterions-mediated gold nanorods-based sensor for label-free detection of poly(ADP-ribose) polymerase-1 activity and its inhibitor. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 565-572.	4.0	26
31	Electrochemical Detection of Catechol on Boron-Doped Diamond Electrode Modified with Au/TiO ₂ Nanorod Composite. <i>Journal of the Chinese Chemical Society</i> , 2011, 58, 516-521.	0.8	22
32	A voltammetric biosensor for mercury(II) using reduced graphene oxide@gold nanorods and thymine-Hg(II)-thymine interaction. <i>Mikrochimica Acta</i> , 2019, 186, 264.	2.5	20
33	Improving the fluorometric determination of the cancer biomarker 8-hydroxy-2'-deoxyguanosine by using a 3D DNA nanomachine. <i>Mikrochimica Acta</i> , 2018, 185, 494.	2.5	19
34	An electrochemical aptasensor for lead ion detection based on catalytic hairpin assembly and porous carbon supported platinum as signal amplification. <i>RSC Advances</i> , 2020, 10, 6647-6653.	1.7	19
35	Electrochemical Properties of a Boron-Doped Diamond Electrode Modified with Gold/Polyelectrolyte Hollow Spheres. <i>Electroanalysis</i> , 2009, 21, 138-143.	1.5	18
36	A signal-off aptasensor for the determination of Ochratoxin A by differential pulse voltammetry at a modified Au electrode using methylene blue as an electrochemical probe. <i>Analytical Methods</i> , 2017, 9, 5449-5454.	1.3	18

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37	The determination of Ochratoxin A based on the electrochemical aptasensor by carbon aerogels and methylene blue assisted signal amplification. <i>Chemistry Central Journal</i> , 2018, 12, 45.	2.6	17
38	A methylene blue and Ag ⁺ ratiometric electrochemical aptasensor based on Au@Pt/Fe-N-C signal amplification strategy for zearalenone detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 362, 131825.	4.0	17
39	Development of an electrochemical aptasensor using Au octahedra and graphene for signal amplification. <i>Analytical Methods</i> , 2020, 12, 317-323.	1.3	16
40	Exonuclease III-Driven Dual-Amplified Electrochemical Aptasensor Based on PDDA-Gr/PtPd@Ni-Co Hollow Nanoboxes for Chloramphenicol Detection. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26362-26372.	4.0	16
41	Sensitive electrochemical aptasensor for determination of sulfaquinoxaline based on AuPd NPs@UiO-66-NH ₂ /CoSe ₂ and RecJf exonuclease-assisted signal amplification. <i>Analytica Chimica Acta</i> , 2021, 1182, 338948.	2.6	16
42	Triple-Helix Molecular Switch Triggered Cleavage Effect of DNAzyme for Ultrasensitive Electrochemical Detection of Chloramphenicol. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 24681-24689.	4.0	16
43	Electrochemical DNA biosensor based on the BDD nanograss array electrode. <i>Chemistry Central Journal</i> , 2013, 7, 65.	2.6	15
44	A low-noise ratiometric fluorescence biosensor for detection of Pb ²⁺ based on DNAzyme and exonuclease III-assisted cascade signal amplification. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 1899-1907.	1.9	15
45	Optimization of Glutamine Peptide Production from Soybean Meal and Analysis of Molecular Weight Distribution of Hydrolysates. <i>International Journal of Molecular Sciences</i> , 2012, 13, 7483-7495.	1.8	13
46	A novel electrochemical aptasensor for fumonisin B1 determination using DNA and exonuclease-I as signal amplification strategy. <i>BMC Chemistry</i> , 2019, 13, 129.	1.6	13
47	Development of the signal amplification based on Au@Pt/MIL-101(Cr) as mimetic enzyme and RecJf exonuclease-assistant target recycling. <i>Sensors and Actuators B: Chemical</i> , 2020, 312, 128019.	4.0	13
48	An amplified electrochemical aptasensor for ochratoxin A based on DNAzyme-mediated DNA walker. <i>Journal of Electroanalytical Chemistry</i> , 2021, 891, 115269.	1.9	12
49	Preparation and Application of Starch Phosphate With a Low Degree of Substitution. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2011, 186, 974-982.	0.8	11
50	Silica nanoparticles as a carrier for signal amplification. <i>Reviews in Analytical Chemistry</i> , 2012, 31, .	1.5	11
51	A signal-enhancement fluorescent aptasensor based on the stable dual cross DNA nanostructure for simultaneous detection of OTA and AFB1. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 7587-7595.	1.9	10
52	Determination of Spectinomycin in Human Urine Using CE Coupled with Electrogenerated Chemiluminescence. <i>Chromatographia</i> , 2011, 74, 349-353.	0.7	9
53	Determination of Organophosphorus Pesticides Based on BDD Electrode Modified with Au/chitosan Fiber. <i>Journal of the Chinese Chemical Society</i> , 2013, 60, 297-302.	0.8	9
54	Visual and fluorometric determination of telomerase activity by using a cationic conjugated polymer and fluorescence resonance energy transfer. <i>Mikrochimica Acta</i> , 2017, 184, 3453-3460.	2.5	9

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55	A novel honeycomb Fe-N-C composition derived from wheat flour as an efficiency catalyst for the oxygen reduction reaction. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 1105-1112.	1.2	9
56	A ratiometric electrochemical aptasensor for ochratoxin A detection. <i>Journal of the Chinese Chemical Society</i> , 2021, 68, 1271-1278.	0.8	8
57	A ratiometric fluorescent aptamer homogeneous biosensor based on hairpin structure aptamer for AFB1 detection. <i>Journal of Fluorescence</i> , 2022, 32, 1695-1701.	1.3	8
58	Kinetics of transesterification of methyl acetate and n-octanol catalyzed by cation exchange resins. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1039-1042.	1.2	7
59	Carbon Aerogels Supported Pt Nanoparticles as Electrocatalysts for Methanol Oxidation in Alkaline Media. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 404-408.	0.8	6
60	A novel signal-on fluorescent aptasensor for ochratoxin A detection based on RecJ f exonuclease-induced signal amplification. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 1247-1253.	0.8	6
61	Magnetic beads-assisted fluorescence aptasensing approach based on dual DNA tweezers for detection of ochratoxin A and fumonisin B1 in wine and corn. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6677-6685.	1.9	6
62	Electrochemical Aptasensor for Zearalenone Based on DNA Assembly and Exonuclease III as Amplification Strategy. <i>Electroanalysis</i> , 2021, 33, 1691-1698.	1.5	5
63	A homogeneous electrochemical aptasensor based on DNA assembly for zearalenone detection. <i>Journal of the Chinese Chemical Society</i> , 2021, 68, 1998-2005.	0.8	4
64	The effect of microwave stabilization on the properties of whole wheat flour and its further interpretation by molecular docking. <i>BMC Chemistry</i> , 2021, 15, 57.	1.6	3
65	An Ultrasensitive DNA Sensor for Hg ²⁺ Assay Based on Electrodeposited Au/Carbon Nanofibers-chitosan and Reduced Graphene Oxide. <i>Electroanalysis</i> , 2023, 35, .	1.5	1