

Wei Wei

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,653
citations

257357

24
h-index

302012

39
g-index

51
all docs

51
docs citations

51
times ranked

1820
citing authors

#	ARTICLE	IF	CITATIONS
1	Colorimetric detection of influenza A virus using antibody-functionalized gold nanoparticles. <i>Analyst</i> , The, 2015, 140, 3989-3995.	1.7	122
2	Magnetic ferromagnetic oxide and polydopamine molecularly imprinted polymer nanocomposites based electrochemical impedance sensor for the selective separation and sensitive determination of dichlorodiphenyltrichloroethane (DDT). <i>Analytica Chimica Acta</i> , 2020, 1095, 82-92.	2.6	78
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	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
5	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
6	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
7	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
8	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
9	Multicolor sensor for organophosphorus pesticides determination based on the bi-enzyme catalytic etching of gold nanorods. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 675-681.	4.0	52
10	Integrated Microfluidic Device for Accurate Extracellular Vesicle Quantification and Protein Markers Analysis Directly from Human Whole Blood. <i>Analytical Chemistry</i> , 2020, 92, 1574-1581.	3.2	52
11	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
12	Fluorescent Assay of FEN1 Activity with Nicking Enzyme-Assisted Signal Amplification Based on ZIF-8 for Imaging in Living Cells. <i>Analytical Chemistry</i> , 2021, 93, 4960-4966.	3.2	42
13	Smart Catalyzed Hairpin Assembly-Induced DNAzyme Nanosystem for Intracellular UDG Imaging. <i>Analytical Chemistry</i> , 2021, 93, 13687-13693.	3.2	39
14	Enhancing hydrogel-based long-lasting chemiluminescence by a platinum-metal organic framework and its application in array detection of pesticides and amino acids. <i>Nanoscale</i> , 2020, 12, 4959-4967.	2.8	38
15	Investigation of Environmental Pollutant-Induced Lung Inflammation and Injury in a 3D Coculture-Based Microfluidic Pulmonary Alveolus System. <i>Analytical Chemistry</i> , 2020, 92, 7200-7208.	3.2	38
16	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
17	Telomerase and poly(ADP-ribose) polymerase-1 activity sensing based on the high fluorescence selectivity and sensitivity of TOTO-1 towards G bases in single-stranded DNA and poly(ADP-ribose). <i>Chemical Science</i> , 2019, 10, 3706-3714.	3.7	35
18	Fluorescence sensor for organophosphorus pesticide detection based on the alkaline phosphatase-triggered reaction. <i>Analytica Chimica Acta</i> , 2020, 1131, 102-108.	2.6	34

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19	Dual-Mode FEN1 Activity Detection Based on Nt.BstNBI-Induced Tandem Signal Amplification. <i>Analytical Chemistry</i> , 2021, 93, 6567-6572.	3.2	34
20	Multifunctional Bismuth Oxychloride/Mesoporous Silica Composites for Photocatalysis, Antibacterial Test, and Simultaneous Stripping Analysis of Heavy Metals. <i>ACS Omega</i> , 2018, 3, 973-981.	1.6	32
21	Quartz Crystal Microbalance Detection of Poly(ADP-ribose) Polymerase-1 Based on Gold Nanorods Signal Amplification. <i>Analytical Chemistry</i> , 2019, 91, 11038-11044.	3.2	32
22	A label-free ultrasensitive assay of 8-hydroxy-2'-deoxyguanosine in human serum and urine samples via polyaniline deposition and tetrahedral DNA nanostructure. <i>Analytica Chimica Acta</i> , 2016, 946, 48-55.	2.6	30
23	Pd Nanoclusters Confined in ZIF-8 Matrixes for Fluorescent Detection of Glucose and Cholesterol. <i>ACS Applied Nano Materials</i> , 2021, 4, 9132-9142.	2.4	30
24	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
25	Label-Free Imaging of Flap Endonuclease 1 in Living Cells by Assembling Original and Multifunctional Nanoprobe. <i>ACS Applied Bio Materials</i> , 2020, 3, 4573-4580.	2.3	28
26	A sensitive fluorescence "turn-off-on" 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
27	Detection of PARP-1 activity based on hyperbranched-poly (ADP-ribose) polymers responsive current in artificial nanochannels. <i>Biosensors and Bioelectronics</i> , 2018, 113, 136-141.	5.3	24
28	A label-free PFP-based photoelectrochemical biosensor for highly sensitive detection of PARP-1 activity. <i>Biosensors and Bioelectronics</i> , 2019, 138, 111308.	5.3	24
29	Application of the Dimeric G-Quadruplex and toehold-mediated strand displacement reaction for fluorescence biosensing of ochratoxin A. <i>Biosensors and Bioelectronics</i> , 2021, 192, 113537.	5.3	24
30	Dual-mode detection of PARP-1 by fluorescence and chemiluminescence. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129288.	4.0	23
31	In Situ Imaging of Cellular Reactive Oxygen Species and Caspase-3 Activity Using a Multifunctional Theranostic Probe for Cancer Diagnosis and Therapy. <i>Analytical Chemistry</i> , 2021, 93, 7870-7878.	3.2	22
32	Multifunctional Plasmonic Core-Satellites Nanoprobe for Cancer Diagnosis and Therapy Based on a Cascade Reaction Induced by MicroRNA. <i>Analytical Chemistry</i> , 2021, 93, 9521-9530.	3.2	22
33	A three-dimensional DNAzyme motor for sensitive imaging of telomerase activity in living cells. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126930.	4.0	20
34	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
35	Single-Particle Assay of Poly(ADP-ribose) Polymerase-1 Activity with Dark-Field Optical Microscopy. <i>ACS Sensors</i> , 2020, 5, 1198-1206.	4.0	19
36	Nanobodies derived from Camelids represent versatile biomolecules for biomedical applications. <i>Biomaterials Science</i> , 2020, 8, 3559-3573.	2.6	17

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37	Ultrasensitive and specific multi-miRNA detection based on dual signal amplification. <i>Sensors and Actuators B: Chemical</i> , 2021, 337, 129745.	4.0	16
38	Sensitive electrochemical assaying of DNA methyltransferase activity based on mimic-hybridization chain reaction amplified strategy. <i>Analytica Chimica Acta</i> , 2016, 933, 75-81.	2.6	15
39	Analysis of poly(ADP-ribose) polymerase-1 by enzyme-initiated auto-PARylation-controlled aggregation of hemin-graphene nanocomposites. <i>Analyst, The</i> , 2018, 143, 2501-2507.	1.7	15
40	Ultrasensitive electrochemical detection of poly (ADP-ribose) polymerase-1 via polyaniline deposition. <i>Talanta</i> , 2018, 180, 127-132.	2.9	15
41	High specificity and efficiency electrochemical detection of poly(ADP-ribose) polymerase-1 activity based on versatile peptide-templated copper nanoparticles and detection array. <i>Analytica Chimica Acta</i> , 2019, 1091, 95-102.	2.6	15
42	Quartz crystal microbalance for telomerase sensing based on gold nanoparticle induced signal amplification. <i>Chemical Communications</i> , 2019, 55, 5994-5997.	2.2	15
43	Renewable electrochemical sensor for PARP-1 activity detection based on host-guest recognition. <i>Biosensors and Bioelectronics</i> , 2020, 148, 111810.	5.3	13
44	Colorimetric method for PARP-1 detection based on preventing AuNRs from etching by molybdate. <i>Sensors and Actuators B: Chemical</i> , 2020, 325, 128806.	4.0	11
45	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
46	Dual Imaging of Poly(ADP-ribose) Polymerase-1 and Endogenous H_2O_2 for the Diagnosis of Cancer Cells Using Silver-Coated Gold Nanorods. <i>Analytical Chemistry</i> , 2021, 93, 16248-16256.	3.2	9
47	Detection of Lead Using a Sensitive Anodic Stripping Voltammetric Method Based on Composite Mesoporous Silica/Bismuth Oxychloride Modified Electrode. <i>ChemistrySelect</i> , 2018, 3, 2423-2429.	0.7	7
48	Label-free poly(ADP-ribose) polymerase-1 activity assay based on perpendicular orientated mesoporous silica films. <i>Sensors and Actuators B: Chemical</i> , 2019, 294, 185-191.	4.0	7
49	Controlled Fluorescence Enhancement of DNA-Binding Dye Through Chain Length Match between Oligoguanine and TOTO. <i>Journal of Physical Chemistry B</i> , 2021, 125, 518-527.	1.2	4
50	Detection of 5-hydroxymethylfurfural based on split-DNAzyme assisted signal amplification via quartz crystal microbalance. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 131031.	4.0	3