Mei Yang

List of Publications by Year
in descending order

59 papers	1,928 citations	236925 25 h-index	265206 42 g-index
59 all docs	59 docs citations	59 times ranked	2271 citing authors

#	Article	IF	Citations
1	MXene-MoS2 heterostructure collaborated with catalyzed hairpin assembly for label-free electrochemical detection of microRNA-21. Talanta, 2022, 237, 122927.	5.5	33
2	Simultaneous Electrochemical Detection of Co-Existing Dihydroxybenzene Isomers Using Porphyrin Zr Metal-Organic Frameworks/Î²-cyclodextrin/Pencil Graphite Electrode. IEEE Sensors Journal, 2022, 22, 2993-3000.	4.7	3
3	Preparation of bimetalâ€“polydopamine organic frameworks with coreâ€“shell structure and their application in HER2 detection. Analyst, The, 2022, 147, 862-869.	3.5	4
4	Male reproductive toxicity induced by Microcystin-leucine-arginine (MC-LR). Toxicon, 2022, 210, 78-88.	1.6	8
5	Novel nitrogen-doped carbon dots for â€œturn-onâ€•sensing of ATP based on aggregation induced emission enhancement effect. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 273, 121044.	3.9	5
6	Probing Low Abundant DNA Methylation by CRISPR-Cas12a-assisted Cascade Exponential Amplification. Analyst, The, 2022, , .	3.5	5
7	A novel methyl-dependent DNA endonuclease GlaI coupling with double cascaded strand displacement amplification and CRISPR/Cas12a for ultra-sensitive detection of DNA methylation. Analytica Chimica Acta, 2022, 1212, 339914.	5.4	11
8	CATCH: high specific transcriptome-focused fusion gene variants discrimination. Chemical Communications, 2022, 58, 7618-7621.	4.1	6
9	Ultracentrifugation-Free Enrichment and Quantification of Small Extracellular Vesicles. Analytical Chemistry, 2022, 94, 10337-10345.	6.5	11
10	Carbon Nanomaze for Biomolecular Detection with Zeptomolar Sensitivity. Advanced Functional Materials, 2021, 31, 2006521.	14.9	14
11	Flexible nickelâ€“cobalt double hydroxides micro-nano arrays for cellular secreted hydrogen peroxide in-situ electrochemical detection. Analytica Chimica Acta, 2021, 1143, 135-143.	5.4	20
12	A Prussian blue-doped RGO/MXene composite aerogel with peroxidase-like activity for real-time monitoring of H₂O₂ secretion from living cells. Chemical Communications, 2021, 57, 9870-9873.	4.1	13
13	Flipped Quick-Response Code Enables Reliable Blood Grouping. ACS Nano, 2021, 15, 7649-7658.	14.6	12
14	Carbon Nanomazes: Carbon Nanomaze for Biomolecular Detection with Zeptomolar Sensitivity (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	14.9	0
15	An ultrasensitive and point-of-care strategy for enzymes activity detection based on enzyme extends activators to unlock the ssDNase activity of CRISPR/Cas12a (EdU-CRISPR/Cas12a). Sensors and Actuators B: Chemical, 2021, 333, 129553.	7.8	20
16	3D MoS2-AuNPs carbon paper probe for ultrasensitive detection and discrimination of p53 gene. Sensors and Actuators B: Chemical, 2021, 332, 129480.	7.8	14
17	Prostatic fluid exosome-mediated microRNA-155 promotes the pathogenesis of type IIIA chronic prostatitis. Translational Andrology and Urology, 2021, 10, 1976-1987.	1.4	4
18	Dual Methylation-Sensitive Restriction Endonucleases Coupling with an RPA-Assisted CRISPR/Cas13a System (DESCS) for Highly Sensitive Analysis of DNA Methylation and Its Application for Point-of-Care Detection. ACS Sensors, 2021, 6, 2419-2428.	7.8	55

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19	Target-induced transcription amplification to trigger the trans-cleavage activity of CRISPR/Cas13a (TITAC-Cas) for detection of alkaline phosphatase. Biosensors and Bioelectronics, 2021, 185, 113281.	10.1	26
20	Coâ€“Doped Feâ€“Co@Câ€“Nx Nano-Arrays Grown on Carbon Cloth as a Novel Flexible Electrode for In Situ Detection of Extracellular Hydrogen Peroxide. Journal of the Electrochemical Society, 2021, 168, 087501.	2.9	2
21	Naked-eye detection of site-specific ssRNA and ssDNA using PAMmer-assisted CRISPR/Cas9 coupling with exponential amplification reaction. Talanta, 2021, 233, 122554.	5.5	11
22	Bimetallic organic framework Cu/UiO-66 mediated â€œfluorescence turn-onâ€•method for ultrasensitive and rapid detection of carcinoembryonic antigen (CEA). Analytica Chimica Acta, 2021, 1183, 339000.	5.4	30
23	Palindromic-assisted self-annealing transcription amplification for reliable genotyping of epidermal growth factor receptor exon mutations. Biosensors and Bioelectronics, 2021, 194, 113633.	10.1	5
24	Biomolecules in cell-derived extracellular vesicle chariots as warriors to repair damaged tissues. Nanoscale, 2021, 13, 16017-16033.	5.6	8
25	The fluorescent biosensor for detecting N6 methyladenine FzD5 mRNA and MazF activity. Analytica Chimica Acta, 2021, 1188, 339185.	5.4	9
26	Association between Semen Microcystin Levels and Reproductive Quality: A Cross-Sectional Study in Jiangsu and Anhui Provinces, China. Environmental Health Perspectives, 2021, 129, 127702.	6.0	12
27	Effect of Al2O3 Passive Layer on Stability and Doping of MoS2 Field-Effect Transistor (FET) Biosensors. Biosensors, 2021, 11, 514.	4.7	6
28	The construction of a CND/Cu²⁺ fluorescence sensing system for the ultrasensitive detection of glyphosate. Analytical Methods, 2020, 12, 520-527.	2.7	28
29	Rolling Circular Amplification (RCA)-Assisted CRISPR/Cas9 Cleavage (RACE) for Highly Specific Detection of Multiple Extracellular Vesicle MicroRNAs. Analytical Chemistry, 2020, 92, 2176-2185.	6.5	177
30	Synthesis of dopamine-derived N-doped carbon nanotubes/Fe3O4 composites as enhanced electrochemical sensing platforms for hydrogen peroxide detection. Mikrochimica Acta, 2020, 187, 605.	5.0	14
31	Spatiotemporally Controllable MicroRNA Imaging in Living Cells via a Near-Infrared Light-Activated Nanoprobe. ACS Applied Materials & Interfaces, 2020, 12, 35958-35966.	8.0	42
32	Simultaneous measurement of Cr(III) and Cu(II) based on indicator-displacement assay using a colorimetric nanoprobe. Analytica Chimica Acta, 2020, 1129, 108-117.	5.4	11
33	Four-stage signal amplification for trace ATP detection using allosteric probe-conjugated strand displacement and CRISPR/Cpf1 trans-cleavage (ASD-Cpf1). Sensors and Actuators B: Chemical, 2020, 323, 128653.	7.8	29
34	Highâ€Fidelity Determination and Tracing of Small Extracellular Vesicle Cargoes. Small, 2020, 16, e2002800.	10.0	21
35	A novel electrochemical aptasensor for the sensitive detection of kanamycin based on UiO-66-NH₂/MCA/MWCNT@rGONR nanocomposites. Analytical Methods, 2020, 12, 4967-4976.	2.7	41
36	Synthesis of yttrium(III)-based rare-earth metal-organic framework nanoplates and its applications for sensing of fluoride ions and pH. Sensors and Actuators B: Chemical, 2020, 321, 128455.	7.8	45

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37	Aptamer-Cholesterol-Mediated Proximity Ligation Assay for Accurate Identification of Exosomes. Analytical Chemistry, 2020, 92, 5411-5418.	6.5	90
38	Allosteric Probe-Initiated Wash-Free Method for Sensitive Extracellular Vesicle Detection through Dual Cycle-Assisted CRISPR-Cas12a. ACS Sensors, 2020, 5, 2239-2246.	7.8	62
39	A zeolitic imidazolate framework/carbon nanofiber nanocomposite based electrochemical sensor for simultaneous detection of co-existing dihydroxybenzene isomers. Sensors and Actuators B: Chemical, 2020, 320, 128294.	7.8	45
40	A visual sensor array based on an indicator displacement assay for the detection of carboxylic acids. Mikrochimica Acta, 2019, 186, 496.	5.0	11
41	Copper-based metalâ€“organic framework nanoparticles for sensitive fluorescence detection of ferric ions. Analytical Methods, 2019, 11, 4382-4389.	2.7	29
42	A Sensitive and Selective Non-Enzymatic Glucose Sensor based on AuNPs/CuO NWs-MoS₂ÂModified Electrode. Journal of the Electrochemical Society, 2019, 166, B1179-B1185.	2.9	28
43	Thermo-responsive triple-function nanotransporter for efficient chemo-photothermal therapy of multidrug-resistant bacterial infection. Nature Communications, 2019, 10, 4336.	12.8	231
44	Dual-signal aptamer sensor based on polydopamine-gold nanoparticles and exonuclease I for ultrasensitive malathion detection. Sensors and Actuators B: Chemical, 2019, 287, 428-436.	7.8	83
45	Electrochemical Sensor for the Simultaneous Detection of Guanine and Adenine Based on a PPyox/MWNTs-MoS_{2Â}Modified Electrode. Journal of the Electrochemical Society, 2019, 166, B498-B504.	2.9	20
46	An Ultrasensitive Electrochemical Sensor Based on Multiwalled Carbon Nanotube@Reduced Graphene Oxide Nanoribbon Composite for Simultaneous Determination of Hydroquinone, Catechol and Resorcinol. Journal of the Electrochemical Society, 2019, 166, B547-B553.	2.9	53
47	Green emitting carbon dots for sensitive fluorometric determination of cartap based on its aggregation effect on gold nanoparticles. Mikrochimica Acta, 2019, 186, 259.	5.0	27
48	A one-step synthesis of novel high pH-sensitive nitrogen-doped yellow fluorescent carbon dots and their detection application in living cells. Analytical Methods, 2019, 11, 5711-5717.	2.7	7
49	Fast recognition of trace volatile compounds with a nanoporous dyes-based colorimetric sensor array. Talanta, 2019, 192, 407-417.	5.5	19
50	Photoluminescence properties of N-doped carbon dots prepared in different solvents and applications in pH sensing. Journal of Materials Science, 2018, 53, 2424-2433.	3.7	53
51	A redox route for the fluorescence detection of lead ions in sorghum, river water and tap water and a desk study of a paper-based probe. Analytical Methods, 2018, 10, 3256-3262.	2.7	6
52	A core-shell MWCNT@rGONR heterostructure modified glassy carbon electrode for ultrasensitive electrochemical detection of glutathione. Sensors and Actuators B: Chemical, 2018, 274, 433-440.	7.8	26
53	3DGH-Fc based electrochemical sensor for the simultaneous determination of ascorbic acid, dopamine and uric acid. Journal of Electroanalytical Chemistry, 2017, 799, 459-467.	3.8	41
54	An efficient fluorescent probe for fluazinam using N, S co-doped carbon dots from l -cysteine. Sensors and Actuators B: Chemical, 2017, 239, 1033-1041.	7.8	103

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55	3D Graphene hydrogel â€“ gold nanoparticles nanocomposite modified glassy carbon electrode for the simultaneous determination of ascorbic acid, dopamine and uric acid. Sensors and Actuators B: Chemical, 2017, 238, 1316-1323.	7.8	103
56	Colorimetric detection of Cr (VI) based on the leaching of gold nanoparticles using a paper-based sensor. Talanta, 2016, 161, 819-825.	5.5	93
57	Development of Simple and Effective Dual-Readout Sensor Based on Gold Nanoparticles and Cadmium Telluride Quantum Dots for Cartap Analysis. Nano, 2016, 11, 1650072.	1.0	3
58	A novel optical chemical sensor based AuNR-MTPP and dyes for lung cancer biomarkers in exhaled breath identification. Sensors and Actuators B: Chemical, 2014, 199, 446-456.	7.8	26
59	Discrimination of Lung Cancer Related Volatile Organic Compounds with a Colorimetric Sensor Array. Analytical Letters, 2013, 46, 2048-2059.	1.8	14