

Muhammad J A Shiddiky

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6922934/publications.pdf>

Version: 2024-02-01

144
papers

7,783
citations

41258

49
h-index

56606

83
g-index

146
all docs

146
docs citations

146
times ranked

9272
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of ionic liquids in electrochemical sensing systems. <i>Biosensors and Bioelectronics</i> , 2011, 26, 1775-1787.	5.3	377
2	Strategies for Improving the Functionality of Zeolitic Imidazolate Frameworks: Tailoring Nanoarchitectures for Functional Applications. <i>Advanced Materials</i> , 2017, 29, 1700213.	11.1	366
3	Biological Functions and Current Advances in Isolation and Detection Strategies for Exosome Nanovesicles. <i>Small</i> , 2018, 14, 1702153.	5.2	335
4	Recent Developments of Carboxymethyl Cellulose. <i>Polymers</i> , 2021, 13, 1345.	2.0	258
5	Circulating tumor DNA and liquid biopsy: opportunities, challenges, and recent advances in detection technologies. <i>Lab on A Chip</i> , 2018, 18, 1174-1196.	3.1	234
6	Detecting Exosomes Specifically: A Multiplexed Device Based on Alternating Current Electrohydrodynamic Induced Nanoshearing. <i>Analytical Chemistry</i> , 2014, 86, 11125-11132.	3.2	220
7	Avoiding Pre-Isolation Step in Exosome Analysis: Direct Isolation and Sensitive Detection of Exosomes Using Gold-Loaded Nanoporous Ferric Oxide Nanozymes. <i>Analytical Chemistry</i> , 2019, 91, 3827-3834.	3.2	209
8	Superparamagnetic nanoarchitectures for disease-specific biomarker detection. <i>Chemical Society Reviews</i> , 2019, 48, 5717-5751.	18.7	188
9	Epigenetically reprogrammed methylation landscape drives the DNA self-assembly and serves as a universal cancer biomarker. <i>Nature Communications</i> , 2018, 9, 4915.	5.8	135
10	DNA-bare gold affinity interactions: mechanism and applications in biosensing. <i>Analytical Methods</i> , 2015, 7, 7042-7054.	1.3	131
11	Quantum dot-based sensitive detection of disease specific exosome in serum. <i>Analyst, The</i> , 2017, 142, 2211-2219.	1.7	129
12	Poly(A) Extensions of miRNAs for Amplification-Free Electrochemical Detection on Screen-Printed Gold Electrodes. <i>Analytical Chemistry</i> , 2016, 88, 2000-2005.	3.2	128
13	Gold-Loaded Nanoporous Ferric Oxide Nanocubes with Peroxidase-Mimicking Activity for Electrocatalytic and Colorimetric Detection of Autoantibody. <i>Analytical Chemistry</i> , 2017, 89, 11005-11013.	3.2	128
14	Real time and label free profiling of clinically relevant exosomes. <i>Scientific Reports</i> , 2016, 6, 30460.	1.6	124
15	A lactate biosensor based on lactate dehydrogenase/nicotinamide adenine dinucleotide (oxidized) Tj ETQq1 1 0.784314 rgBT /Overlock <i>Biochemistry</i> , 2009, 384, 159-165.	1.1	121
16	Nanozyme-based electrochemical biosensors for disease biomarker detection. <i>Analyst, The</i> , 2020, 145, 4398-4420.	1.7	121
17	Advanced liquid biopsy technologies for circulating biomarker detection. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6670-6704.	2.9	118
18	Nanoarchitecture Frameworks for Electrochemical miRNA Detection. <i>Trends in Biochemical Sciences</i> , 2019, 44, 433-452.	3.7	115

#	ARTICLE	IF	CITATIONS
19	An impedimetric immunosensor for the label-free detection of bisphenol A. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2464-2470.	5.3	111
20	Trace Analysis of DNA: Preconcentration, Separation, and Electrochemical Detection in Microchip Electrophoresis Using Au Nanoparticles. <i>Analytical Chemistry</i> , 2007, 79, 3724-3733.	3.2	107
21	Porous nanozymes: the peroxidase-mimetic activity of mesoporous iron oxide for the colorimetric and electrochemical detection of global DNA methylation. <i>Journal of Materials Chemistry B</i> , 2018, 6, 4783-4791.	2.9	107
22	An amplification-free electrochemical detection of exosomal miRNA-21 in serum samples. <i>Analyst</i> , The, 2018, 143, 1662-1669.	1.7	106
23	Recent advances and current challenges in magnetophoresis based micro magnetofluidics. <i>Biomicrofluidics</i> , 2018, 12, 031501.	1.2	105
24	Long-Lived, Transferred Crystalline Silicon Carbide Nanomembranes for Implantable Flexible Electronics. <i>ACS Nano</i> , 2019, 13, 11572-11581.	7.3	101
25	Enabling Rapid and Specific Surface-Enhanced Raman Scattering Immunoassay Using Nanoscaled Surface Shear Forces. <i>ACS Nano</i> , 2015, 9, 6354-6362.	7.3	93
26	Microfluidic Technology for the Generation of Cell Spheroids and Their Applications. <i>Micromachines</i> , 2017, 8, 94.	1.4	92
27	Mesoporous Iron Oxide Synthesized Using Poly(styrene- <i>b</i> -acrylic acid- <i>b</i> -ethylene glycol) Block Copolymer Micelles as Templates for Colorimetric and Electrochemical Detection of Glucose. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 1039-1049.	4.0	90
28	Hydrazine-Catalyzed Ultrasensitive Detection of DNA and Proteins. <i>Analytical Chemistry</i> , 2007, 79, 6886-6890.	3.2	80
29	Gold-loaded nanoporous superparamagnetic nanocubes for catalytic signal amplification in detecting miRNA. <i>Chemical Communications</i> , 2017, 53, 8231-8234.	2.2	79
30	RNA Biomarkers: Diagnostic and Prognostic Potentials and Recent Developments of Electrochemical Biosensors. <i>Small Methods</i> , 2017, 1, 1700131.	4.6	79
31	Gold-loaded nanoporous ferric oxide nanocubes for electrocatalytic detection of microRNA at attomolar level. <i>Biosensors and Bioelectronics</i> , 2018, 101, 275-281.	5.3	76
32	Graphene/quantum dot bionanoconjugates as signal amplifiers in stripping voltammetric detection of EpCAM biomarkers. <i>Biosensors and Bioelectronics</i> , 2012, 35, 251-257.	5.3	73
33	Nonadditivity of Faradaic Currents and Modification of Capacitance Currents in the Voltammetry of Mixtures of Ferrocene and the Cobaltocenium Cation in Protic and Aprotic Ionic Liquids. <i>Journal of the American Chemical Society</i> , 2009, 131, 7976-7989.	6.6	71
34	An Electrochemical Method for the Detection of Disease-Specific Exosomes. <i>ChemElectroChem</i> , 2017, 4, 967-971.	1.7	71
35	eMethylsorb: electrochemical quantification of DNA methylation at CpG resolution using DNA-gold affinity interactions. <i>Chemical Communications</i> , 2014, 50, 13153-13156.	2.2	68
36	Self-sacrificial templated synthesis of a three-dimensional hierarchical macroporous honeycomb-like ZnO/ZnCo ₂ O ₄ hybrid for carbon monoxide sensing. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3415-3425.	5.2	66

#	ARTICLE	IF	CITATIONS
37	Amplification-Free Detection of Gene Fusions in Prostate Cancer Urinary Samples Using mRNAâ€™Gold Affinity Interactions. <i>Analytical Chemistry</i> , 2016, 88, 6781-6788.	3.2	65
38	Challenges and perspectives in the development of paper-based lateral flow assays. <i>Microfluidics and Nanofluidics</i> , 2020, 24, 1.	1.0	63
39	Detection of the SARS-CoV-2 humanized antibody with paper-based ELISA. <i>Analyst, The</i> , 2020, 145, 7680-7686.	1.7	62
40	Direct Analysis of Trace Phenolics with a Microchip:Â In-Channel Sample Preconcentration, Separation, and Electrochemical Detection. <i>Analytical Chemistry</i> , 2006, 78, 6809-6817.	3.2	60
41	Duplex Microfluidic SERS Detection of Pathogen Antigens with Nanoyeast Single-Chain Variable Fragments. <i>Analytical Chemistry</i> , 2014, 86, 9930-9938.	3.2	60
42	Electrochemical biosensing strategies for DNA methylation analysis. <i>Biosensors and Bioelectronics</i> , 2017, 94, 63-73.	5.3	60
43	Methylsorb: A Simple Method for Quantifying DNA Methylation Using DNAâ€™Gold Affinity Interactions. <i>Analytical Chemistry</i> , 2014, 86, 10179-10185.	3.2	59
44	Circulating tumor microemboli: Progress in molecular understanding and enrichment technologies. <i>Biotechnology Advances</i> , 2018, 36, 1367-1389.	6.0	59
45	Highly Selective and Sensitive DNA Assay Based on Electrocatalytic Oxidation of Ferrocene Bearing Zinc(II)â€™Cyclen Complexes with Diethylamine. <i>Journal of the American Chemical Society</i> , 2010, 132, 10053-10063.	6.6	57
46	Electrophoretic analysis of food dyes using a miniaturized microfluidic system. <i>Electrophoresis</i> , 2008, 29, 1910-1917.	1.3	56
47	Detection of regional DNA methylation using DNA-graphene affinity interactions. <i>Biosensors and Bioelectronics</i> , 2017, 87, 615-621.	5.3	56
48	Sustainable Antibiotic-Free Broiler Meat Production: Current Trends, Challenges, and Possibilities in a Developing Country Perspective. <i>Biology</i> , 2020, 9, 411.	1.3	56
49	Label-free electrochemical detection of an <i>Entamoeba histolytica</i> antigen using cell-free yeast-scFv probes. <i>Chemical Communications</i> , 2013, 49, 1551.	2.2	55
50	Autoantibodies as diagnostic and prognostic cancer biomarker: Detection techniques and approaches. <i>Biosensors and Bioelectronics</i> , 2019, 139, 111315.	5.3	53
51	Separation of distinct exosome subpopulations: isolation and characterization approaches and their associated challenges. <i>Analyst, The</i> , 2021, 146, 3731-3749.	1.7	53
52	eMethylsorb: rapid quantification of DNA methylation in cancer cells on screen-printed gold electrodes. <i>Analyst, The</i> , 2014, 139, 6178-6184.	1.7	51
53	Simultaneous analysis of nitrate and nitrite in a microfluidic device with a Cu-complex-modified electrode. <i>Electrophoresis</i> , 2006, 27, 4545-4554.	1.3	49
54	Optical biosensing strategies for DNA methylation analysis. <i>Biosensors and Bioelectronics</i> , 2017, 92, 668-678.	5.3	48

#	ARTICLE	IF	CITATIONS
55	Nanostructured mesoporous gold biosensor for microRNA detection at attomolar level. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112429.	5.3	48
56	Superparamagnetic Gadolinium Ferrite Nanoparticles with Controllable Curie Temperature “ Cancer Theranostics for MR Imaging Guided Magneto Chemotherapy. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 4586-4597.	1.0	47
57	Gold-loaded nanoporous iron oxide nanocubes: a novel dispersible capture agent for tumor-associated autoantibody analysis in serum. <i>Nanoscale</i> , 2017, 9, 8805-8814.	2.8	44
58	Enhanced Peroxidase Mimetic Activity of Porous Iron Oxide Nanoflakes. <i>ChemNanoMat</i> , 2019, 5, 506-513.	1.5	44
59	A PCR-free electrochemical method for messenger RNA detection in cancer tissue samples. <i>Biosensors and Bioelectronics</i> , 2017, 98, 227-233.	5.3	43
60	MicroRNAs in ovarian cancer and recent advances in the development of microRNA-based biosensors. <i>Analyst, The</i> , 2020, 145, 2038-2057.	1.7	42
61	Microdevices for detecting locus-specific DNA methylation at CpG resolution. <i>Biosensors and Bioelectronics</i> , 2014, 56, 278-285.	5.3	41
62	DNA methylation detection: recent developments in bisulfite free electrochemical and optical approaches. <i>Analyst, The</i> , 2018, 143, 4802-4818.	1.7	41
63	Isolation and Detection of Exosomes Using Fe ₂ O ₃ Nanoparticles. <i>ACS Applied Nano Materials</i> , 2021, 4, 1175-1186.	2.4	41
64	Microchip capillary electrophoresis with a cellulose-DNA-modified screen-printed electrode for the analysis of neurotransmitters. <i>Electrophoresis</i> , 2005, 26, 3043-3052.	1.3	40
65	An electrochemical immunosensor to minimize the nonspecific adsorption and to improve sensitivity of protein assays in human serum. <i>Biosensors and Bioelectronics</i> , 2012, 38, 132-137.	5.3	40
66	eLCR: electrochemical detection of single DNA base changes via Ligase Chain Reaction. <i>Chemical Communications</i> , 2012, 48, 12014.	2.2	38
67	A bisulfite treatment and PCR-free global DNA methylation detection method using electrochemical enzymatic signal engagement. <i>Biosensors and Bioelectronics</i> , 2019, 126, 102-107.	5.3	37
68	Nano-yeast scFv probes on screen-printed gold electrodes for detection of <i>Entamoeba histolytica</i> antigens in a biological matrix. <i>Biosensors and Bioelectronics</i> , 2014, 55, 417-422.	5.3	36
69	Graphene Oxide Loaded Superparamagnetic Iron Oxide Nanoparticles for Ultrasensitive Electrochemical Detection of MicroRNA. <i>ChemElectroChem</i> , 2018, 5, 2488-2495.	1.7	36
70	miRNA signature in small extracellular vesicles and their association with platinum resistance and cancer recurrence in ovarian cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2020, 28, 102207.	1.7	36
71	Biosensor Technologies for Early Detection and Quantification of Plant Pathogens. <i>Frontiers in Chemistry</i> , 2021, 9, 636245.	1.8	36
72	Large Amplitude Fourier Transformed AC Voltammetric Investigation of the Active State Electrochemistry of a Copper/Aqueous Base Interface and Implications for Electrocatalysis. <i>Langmuir</i> , 2011, 27, 10302-10311.	1.6	34

#	ARTICLE	IF	CITATIONS
73	Identification of Novel FAM134B (JK1) Mutations in Oesophageal Squamous Cell Carcinoma. <i>Scientific Reports</i> , 2016, 6, 29173.	1.6	33
74	Detection of polymerase chain reaction fragments using a conducting polymer-modified screen-printed electrode in a microfluidic device. <i>Electrophoresis</i> , 2005, 26, 4656-4663.	1.3	31
75	Molecular Nanoshearing: An Innovative Approach to Shear off Molecules with AC-Induced Nanoscopic Fluid Flow. <i>Scientific Reports</i> , 2014, 4, 3716.	1.6	31
76	Nonadditivity of Faradaic Currents and Modification of Double Layer Capacitance in the Voltammetry of Mixtures of Ferrocene and Ferrocenium Salts in Ionic Liquids. <i>Analytical Chemistry</i> , 2010, 82, 1680-1691.	3.2	30
77	Naked-eye and electrochemical detection of isothermally amplified HOTAIR long non-coding RNA. <i>Analyst</i> , 2018, 143, 3021-3028.	1.7	30
78	Fabrication of disposable sensors for biomolecule detection using hydrazine electrocatalyst. <i>Analytical Biochemistry</i> , 2008, 379, 170-175.	1.1	27
79	An electrochemical method for sensitive and rapid detection of FAM134B protein in colon cancer samples. <i>Scientific Reports</i> , 2017, 7, 133.	1.6	27
80	Robust Free-Standing Nano-Thin SiC Membranes Enable Direct Photolithography for MEMS Sensing Applications. <i>Advanced Engineering Materials</i> , 2018, 20, 1700858.	1.6	26
81	Alternating current electrohydrodynamics in microsystems: Pushing biomolecules and cells around on surfaces. <i>Biomicrofluidics</i> , 2015, 9, 061501.	1.2	25
82	Colorimetric and electrochemical quantification of global DNA methylation using a methyl cytosine-specific antibody. <i>Analyst</i> , 2017, 142, 1900-1908.	1.7	25
83	Quantification of gene-specific DNA methylation in oesophageal cancer via electrochemistry. <i>Analytica Chimica Acta</i> , 2017, 976, 84-93.	2.6	25
84	Femtomolar detection of a cancer biomarker protein in serum with ultralow background current by anodic stripping voltammetry. <i>Chemical Communications</i> , 2012, 48, 6411.	2.2	24
85	DNA Ligase-Based Strategy for Quantifying Heterogeneous DNA Methylation without Sequencing. <i>Clinical Chemistry</i> , 2015, 61, 163-171.	1.5	24
86	Detection of FGFR2-FAM76A Fusion Gene in Circulating Tumor RNA Based on Catalytic Signal Amplification of Graphene Oxide-Loaded Magnetic Nanoparticles. <i>Electroanalysis</i> , 2018, 30, 2293-2301.	1.5	24
87	Bioengineered Polymer Nanobeads for Isolation and Electrochemical Detection of Cancer Biomarkers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 31418-31430.	4.0	23
88	Tunable Nano-Shearing: A Physical Mechanism to Displace Nonspecific Cell Adhesion During Rare Cell Detection. <i>Analytical Chemistry</i> , 2014, 86, 2042-2049.	3.2	22
89	A Multiplexed Device Based on Tunable Nanoshearing for Specific Detection of Multiple Protein Biomarkers in Serum. <i>Scientific Reports</i> , 2015, 5, 9756.	1.6	22
90	Development of Extraction and Analytical Methods of Nitrite Ion from Food Samples: Microchip Electrophoresis with a Modified Electrode. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 4051-4057.	2.4	21

#	ARTICLE	IF	CITATIONS
91	Analysis of polymerase chain reaction amplifications through phosphate detection using an enzyme-based microbiosensor in a microfluidic device. <i>Electrophoresis</i> , 2006, 27, 2951-2959.	1.3	20
92	Advanced Diagnostic Approaches for Necrotrophic Fungal Pathogens of Temperate Legumes With a Focus on <i>Botrytis</i> spp.. <i>Frontiers in Microbiology</i> , 2019, 10, 1889.	1.5	20
93	An Electromagnetically Actuated Double-Sided Cell-Stretching Device for Mechanobiology Research. <i>Micromachines</i> , 2017, 8, 256.	1.4	19
94	Hypoxia-induced small extracellular vesicle proteins regulate proinflammatory cytokines and systemic blood pressure in pregnant rats. <i>Clinical Science</i> , 2020, 134, 593-607.	1.8	18
95	1/4-eLCR: a microfabricated device for electrochemical detection of DNA base changes in breast cancer cell lines. <i>Lab on A Chip</i> , 2013, 13, 4385.	3.1	17
96	Homogeneous Electron-Transfer Reaction between Electrochemically Generated Ferrocenium Ions and Amine-Containing Compounds. <i>Organometallics</i> , 2013, 32, 5731-5739.	1.1	17
97	Nanoyeast and Other Cell Envelope Compositions for Protein Studies and Biosensor Applications. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30649-30664.	4.0	16
98	Synthesis of Carbon Nanospheres Through Carbonization of <i>Areca nut</i> . <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 2837-2842.	0.9	16
99	Naphthalene flanked diketopyrrolopyrrole: a new conjugated building block with hexyl or octyl alkyl side chains for electropolymerization studies and its biosensor applications. <i>Polymer Chemistry</i> , 2019, 10, 3722-3739.	1.9	16
100	Sensitive Detection of Motor Neuron Disease Derived Exosomal miRNA Using Electrocatalytic Activity of Gold-Loaded Superparamagnetic Ferric Oxide Nanocubes. <i>ChemElectroChem</i> , 2020, 7, 3459-3467.	1.7	16
101	Cancer biomarker profiling using nanozyme containing iron oxide loaded with gold particles. <i>Journal of the Royal Society Interface</i> , 2020, 17, 20200180.	1.5	16
102	Exosomal microRNAs array sensor with a bioconjugate composed of p53 protein and hydrazine for the specific lung cancer detection. <i>Biosensors and Bioelectronics</i> , 2022, 207, 114149.	5.3	16
103	Detection of aberrant protein phosphorylation in cancer using direct gold-protein affinity interactions. <i>Biosensors and Bioelectronics</i> , 2017, 91, 8-14.	5.3	15
104	Pneumatically actuated cell-stretching array platform for engineering cell patterns in vitro. <i>Lab on A Chip</i> , 2018, 18, 765-774.	3.1	15
105	Electric Field Induced Isolation, Release, and Recapture of Tumor Cells. <i>ACS Sensors</i> , 2016, 1, 399-405.	4.0	14
106	Magnetofluidic micromixer based on a complex rotating magnetic field. <i>RSC Advances</i> , 2017, 7, 52465-52474.	1.7	14
107	Synthesis of nanoporous poly-melamine-formaldehyde (PMF) based on Schiff base chemistry as a highly efficient adsorbent. <i>Analyst</i> , The, 2019, 144, 342-348.	1.7	14
108	Electrochemical detection of protein glycosylation using lectin and protein-gold affinity interactions. <i>Analyst</i> , The, 2016, 141, 2356-2361.	1.7	13

#	ARTICLE	IF	CITATIONS
109	Electrooxidation of $[(\eta^5\text{-C}_5\text{H}_5)\text{Fe}(\text{CO})_2]_2$ As a Probe of the Nucleophilic Properties of Ionic Liquid Anions. <i>Inorganic Chemistry</i> , 2010, 49, 2502-2511.	1.9	12
110	Enhancing Protein Capture Using a Combination of Nanoyeast Single-Chain Fragment Affinity Reagents and Alternating Current Electrohydrodynamic Forces. <i>Analytical Chemistry</i> , 2015, 87, 11673-11681.	3.2	12
111	PCR-Free Detection of Long Non-Coding HOTAIR RNA in Ovarian Cancer Cell Lines and Plasma Samples. <i>Cancers</i> , 2020, 12, 2233.	1.7	12
112	Vanadium-Substituted Tungstosulfate Polyoxometalates as Peroxidase Mimetics and Their Potential Application in Biosensing. <i>ChemElectroChem</i> , 2020, 7, 3943-3950.	1.7	12
113	Fabrication and characterization of gold nanohole electrode arrays. <i>Sensors and Actuators B: Chemical</i> , 2012, 173, 491-496.	4.0	11
114	Alternating Current Electrohydrodynamics Induced Nanoshearing and Fluid Micromixing for Specific Capture of Cancer Cells. <i>Chemistry - A European Journal</i> , 2014, 20, 3724-3729.	1.7	11
115	Tunable surface shear forces to physically displace nonspecific molecules in protein biomarker detection. <i>Biosensors and Bioelectronics</i> , 2014, 61, 184-191.	5.3	11
116	Electrochemical detection of glycan and protein epitopes of glycoproteins in serum. <i>Analyst, The</i> , 2014, 139, 5970-5976.	1.7	11
117	Biosensing made easy with PEG-targeted bi-specific antibodies. <i>Chemical Communications</i> , 2016, 52, 5730-5733.	2.2	11
118	Attributes of Direct Current Aperiodic and Alternating Current Harmonic Components Derived From Large Amplitude Fourier Transformed Voltammetry Under Microfluidic Control in a Channel Electrode. <i>Analytical Chemistry</i> , 2012, 84, 6686-6692.	3.2	10
119	Cyano-Bridged Trimetallic Coordination Polymer Nanoparticles and Their Thermal Decomposition into Nanoporous Spinel Ferromagnetic Oxides. <i>Chemistry - A European Journal</i> , 2016, 22, 15042-15048.	1.7	10
120	A multiplex microplatform for the detection of multiple DNA methylation events using gold-DNA affinity. <i>Analyst, The</i> , 2017, 142, 3573-3578.	1.7	10
121	An amplification-free method for the detection of HOTAIR long non-coding RNA. <i>Analytica Chimica Acta</i> , 2020, 1132, 66-73.	2.6	10
122	Electropolymerized Porous Polymer Films on Flexible Indium Tin Oxide Using Trifunctional Furan Substituted Benzene Conjugated Monomer for Biosensing. <i>ACS Applied Polymer Materials</i> , 2020, 2, 351-359.	2.0	10
123	Rapid, Simple and Inexpensive Fabrication of Paper-Based Analytical Devices by Parafilm® Hot Pressing. <i>Micromachines</i> , 2022, 13, 48.	1.4	9
124	Electrohydrodynamic removal of non-specific colloidal adsorption at electrode interfaces. <i>Chemical Communications</i> , 2014, 50, 4813-4815.	2.2	8
125	Capture and On-chip analysis of Melanoma Cells Using Tunable Surface Shear forces. <i>Scientific Reports</i> , 2016, 6, 19709.	1.6	8
126	Self-Assembly of Polymeric Micelles Made of Asymmetric Polystyrene-Polyacrylic Acid-Polyethylene Oxide for the Synthesis of Mesoporous Nickel Ferrite. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1328-1332.	1.0	8

#	ARTICLE	IF	CITATIONS
127	DNA-templated Copper Nanoprobes: Overview, Feature, Application, and Current Development in Detection Technologies. <i>Chemical Record</i> , 2020, 20, 174-186.	2.9	8
128	A Portable Device for LAMP Based Detection of SARS-CoV-2. <i>Micromachines</i> , 2021, 12, 1151.	1.4	8
129	Wicking in Paper Strips under Consideration of Liquid Absorption Capacity. <i>Chemosensors</i> , 2020, 8, 65.	1.8	7
130	A novel DNA binding protein-based platform for electrochemical detection of miRNA. <i>Analyst, The</i> , 2021, 146, 5496-5501.	1.7	7
131	Structural Characterization of Nanoyeast Single-Chain Fragment Variable Affinity Reagents. <i>Journal of Physical Chemistry C</i> , 2015, 119, 12674-12680.	1.5	6
132	Oxi-Redox Selective Breast Cancer Treatment: An In Vitro Study of Theranostic In-Based Oxide Nanoparticles for Controlled Generation or Prevention of Oxidative Stress. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 2204-2217.	4.0	6
133	"Drill and fill" lithography: fabrication of platinum electrodes and their use in label-free immunosensing. <i>RSC Advances</i> , 2013, 3, 4189.	1.7	5
134	Transparent crystalline cubic SiC-on-glass electrodes enable simultaneous electrochemistry and optical microscopy. <i>Chemical Communications</i> , 2019, 55, 7978-7981.	2.2	5
135	"Drill and fill" lithography for controlled fabrication of 3D platinum electrodes. <i>Sensors and Actuators B: Chemical</i> , 2013, 185, 543-547.	4.0	4
136	Electrochemical Detection of FAM134B Mutations in Oesophageal Cancer Based on DNA-Gold Affinity Interactions. <i>Electroanalysis</i> , 2017, 29, 1359-1367.	1.5	4
137	Loop-Mediated Isothermal Amplification in a Core-Shell Bead Assay for the Detection of Tyrosine Kinase AXL Overexpression. <i>Micromachines</i> , 2021, 12, 905.	1.4	3
138	Ag-MagnetoMethyl IP: a magnetic nanoparticle-mediated immunoprecipitation and electrochemical detection method for global DNA methylation. <i>Analyst, The</i> , 2021, 146, 3654-3665.	1.7	3
139	Methylsorb: A simple method for quantifying DNA methylation using DNA-gold affinity interactions. , 2014, , .		2
140	An Interfacial Affinity Interaction-Based Method for Detecting HOTAIR lncRNA in Cancer Plasma Samples. <i>Biosensors</i> , 2022, 12, 287.	2.3	2
141	Electrochemical Detection of Global DNA Methylation Using Biologically Assembled Polymer Beads. <i>Cancers</i> , 2021, 13, 3787.	1.7	1
142	Naked eye evaluation and quantitative detection of the sugarcane leaf scald pathogen,. <i>Crop and Pasture Science</i> , 2021, 72, 361-371.	0.7	1
143	Vanadium-Substituted Tungstosulfate Polyoxometalates as Peroxidase Mimetics and Their Potential Application in Biosensing. <i>ChemElectroChem</i> , 2020, 7, 3894-3894.	1.7	0
144	Abstract 1243: FAM134B mutation in esophageal squamous cell carcinoma: Its clinical significance and quantification by electrochemical methods. , 2017, , .		0