

Cancer biomarker detection: recent achievements and c

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Polymer-Decorated Carbon Nanotubes as Transducers for Label-Free Photonic Biosensors. Chemistry - A European Journal, 2015, 21, 18649-18653.	1.7	5
2	Translational progress on tumor biomarkers. Thoracic Cancer, 2015, 6, 665-671.	0.8	11
3	Biomarker detection for disease diagnosis using cost-effective microfluidic platforms. Analyst, The, 2015, 140, 7062-7081.	1.7	208
4	A high sensitive electrochemical aptasensor for the determination of VEGF165 in serum of lung cancer patient. Biosensors and Bioelectronics, 2015, 74, 764-769.	5.3	99
5	Peptide-Conjugated Gold Nanoprobe: Intrinsic Nanozyme-Linked Immunosorbant Assay of Integrin Expression Level on Cell Membrane. ACS Nano, 2015, 9, 10979-10990.	7.3	99
6	Surface Enhanced Raman Scattering Detection of Cancer Biomarkers with Bifunctional Nanocomposite Probes. Analytical Chemistry, 2015, 87, 10698-10702.	3.2	90
7	A Luminescent Cocaine Detection Platform Using a Split G-Quadruplex-Selective Iridium(III) Complex and a Three-Way DNA Junction Architecture. ACS Applied Materials & Interfaces, 2015, 7, 19060-19067.	4.0	39
8	A solution processed carbon nanotube modified conducting paper sensor for cancer detection. Journal of Materials Chemistry B, 2015, 3, 9305-9314.	2.9	48
9	Surface Modification Chemistries of Materials Used in Diagnostic Platforms with Biomolecules. Journal of Chemistry, 2016, 2016, 1-19.	0.9	51
10	Quantitative detection of the tumor-associated antigen large external antigen in colorectal cancer tissues and cells using quantum dot probe. International Journal of Nanomedicine, 2016, 11, 235.	3.3	10
11	Nanomaterials based biosensors for cancer biomarker detection. Journal of Physics: Conference Series, 2016, 704, 012011.	0.3	36
12	Sweet characterisation of prostate specific antigen using electrochemical lectin-based immunosensor assay and MALDI TOF/TOF analysis: Focus on sialic acid. Proteomics, 2016, 16, 3085-3095.	1.3	31
13	Magnetic-Nanoparticle-Based Immunoassays-on-a-Chip: Materials Synthesis, Surface Functionalization, and Cancer Cell Screening. Advanced Functional Materials, 2016, 26, 3953-3972.	7.8	34
14	Construction of Electrochemical Immunosensing Interface for Multiple Cancer Biomarkers Detection. Electroanalysis, 2016, 28, 1692-1699.	1.5	15
15	Novel metal-organic nanocomposites: Poly(methylene blue)-Au and its application for an ultrasensitive electrochemical immunosensing platform. Sensors and Actuators B: Chemical, 2016, 237, 666-671.	4.0	28
16	Screening for Oral Cancer Using Electrochemical Telomerase Assay. Electroanalysis, 2016, 28, 503-507.	1.5	13
17	Future microfluidic and nanofluidic modular platforms for nucleic acid liquid biopsy in precision medicine. Biomicrofluidics, 2016, 10, 032902.	1.2	44
18	Electrospun nanofibers for cancer diagnosis and therapy. Biomaterials Science, 2016, 4, 922-932.	2.6	130

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19	Carbohydrate CuAAC click chemistry for therapy and diagnosis. <i>Carbohydrate Research</i> , 2016, 429, 1-22.	1.1	109
20	An ultrasensitive sandwich-type electrochemical immunosensor for carcino embryonie antigen based on supermolecular labeling strategy. <i>Journal of Electroanalytical Chemistry</i> , 2016, 781, 289-295.	1.9	12
21	Cancer cell-targeted two-photon fluorescence probe for the real-time ratiometric imaging of DNA damage. <i>Chemical Communications</i> , 2016, 52, 6308-6311.	2.2	48
22	Recognition-induced covalent capturing and labeling as a general strategy for protein detection. <i>Biosensors and Bioelectronics</i> , 2016, 80, 560-565.	5.3	15
23	Graphene loaded bimetallic Au@Pt nanodendrites enhancing ultrasensitive electrochemical immunoassay of AFP. <i>Sensors and Actuators B: Chemical</i> , 2016, 231, 513-519.	4.0	50
24	Paper-based biodetection using luminescent nanoparticles. <i>Analyst, The</i> , 2016, 141, 2838-2860.	1.7	45
25	Glucometer-based signal readout for a portable low-cost electrochemical immunoassay using branched platinum nanowires. <i>Analytical Methods</i> , 2016, 8, 4069-4074.	1.3	11
26	Facile and ultrasensitive fluorescence sensor platform for tumor invasive biomarker β -glucuronidase detection and inhibitor evaluation with carbon quantum dots based on inner-filter effect. <i>Biosensors and Bioelectronics</i> , 2016, 85, 358-362.	5.3	100
27	Plasmonic ELISA based on the controlled growth of silver nanoparticles. <i>Nanoscale</i> , 2016, 8, 17271-17277.	2.8	58
28	A cerium-based metal-organic tetrahedron for fluorescent recognition of 5-HIAA and its application in urine test. <i>Inorganic Chemistry Communication</i> , 2016, 73, 129-133.	1.8	5
29	Model-Guided Interface Probe Arrangement for Sensitive Protein Detection. <i>Analytical Chemistry</i> , 2016, 88, 9885-9889.	3.2	12
30	Nanoparticles and intracellular applications of surface-enhanced Raman spectroscopy. <i>Analyst, The</i> , 2016, 141, 5037-5055.	1.7	86
31	Unique quenching of fluorescent copper nanoclusters based on target-induced oxidation effect: a simple, label-free, highly sensitive and specific bleomycin assay. <i>RSC Advances</i> , 2016, 6, 76679-76683.	1.7	12
32	Recombinant sFRP4 bound chitosan- α -alginate composite nanoparticles embedded with silver nanoclusters for Wnt/ β -catenin targeting in cancer theranostics. <i>RSC Advances</i> , 2016, 6, 85763-85772.	1.7	12
33	A panel of autoantibodies against multiple tumor-associated antigens in the immunodiagnosis of esophageal squamous cell cancer. <i>Cancer Immunology, Immunotherapy</i> , 2016, 65, 1233-1242.	2.0	24
34	Scissor-Like Chiral Metamolecules for Probing Intracellular Telomerase Activity. <i>Advanced Functional Materials</i> , 2016, 26, 7352-7358.	7.8	51
35	Quantitative Fluorescence Sensing Through Highly Autofluorescent, Scattering, and Absorbing Media Using Mobile Microscopy. <i>ACS Nano</i> , 2016, 10, 8989-8999.	7.3	9
36	Label-free ratiometric electrochemical detection of the mutated apolipoprotein E gene associated with Alzheimer's disease. <i>Chemical Communications</i> , 2016, 52, 12080-12083.	2.2	53

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37	Metal complexes for the detection of disease-related protein biomarkers. <i>Coordination Chemistry Reviews</i> , 2016, 324, 90-105.	9.5	52
38	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
39	Affinity Versus Label-Free Isolation of Circulating Tumor Cells: Who Wins?. <i>Small</i> , 2016, 12, 4450-4463.	5.2	90
40	Multigaps Embedded Nanoassemblies Enhance In Situ Raman Spectroscopy for Intracellular Telomerase Activity Sensing. <i>Advanced Functional Materials</i> , 2016, 26, 1602-1608.	7.8	115
41	Flexible, Graphene-Coated Biocomposite for Highly Sensitive, Real-Time Molecular Detection. <i>Advanced Functional Materials</i> , 2016, 26, 8623-8630.	7.8	116
42	Peroxidase-like properties of Ruthenium nanoframes. <i>Science Bulletin</i> , 2016, 61, 1739-1745.	4.3	45
43	A SPR biosensor based on signal amplification using antibody-QD conjugates for quantitative determination of multiple tumor markers. <i>Scientific Reports</i> , 2016, 6, 33140.	1.6	58
44	Perfluorocarbon-Loaded Hollow Bi ₂ Se ₃ Nanoparticles for Timely Supply of Oxygen under Near-Infrared Light to Enhance the Radiotherapy of Cancer. <i>Advanced Materials</i> , 2016, 28, 2716-2723.	11.1	518
45	Visible-light excitable highly luminescent molecular plastic materials derived from Eu ³⁺ -biphenyl based ¹² -diketonate ternary complex and poly(methylmethacrylate). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 328, 171-181.	2.0	21
46	A versatile nanomachine for the sensitive detection of platelet-derived growth factor-BB utilizing a G-quadruplex-selective iridium(III) complex. <i>Biosensors and Bioelectronics</i> , 2016, 85, 300-309.	5.3	39
47	A new terthiophene derivative as a fluorescent sensor for protein detection. <i>Journal of Luminescence</i> , 2016, 173, 57-65.	1.5	15
48	Ratiometric Fluorescent Bioprobe for Highly Reproducible Detection of Telomerase in Bloody Urines of Bladder Cancer Patients. <i>ACS Sensors</i> , 2016, 1, 572-578.	4.0	55
49	Immuno-PCR in cancer and non-cancer related diseases: a review. <i>Veterinary Quarterly</i> , 2016, 36, 63-70.	3.0	12
50	Gold Nanorods as Colorful Chromogenic Substrates for Semiquantitative Detection of Nucleic Acids, Proteins, and Small Molecules with the Naked Eye. <i>Analytical Chemistry</i> , 2016, 88, 3227-3234.	3.2	123
51	A tutorial review for employing enzymes for the construction of G-quadruplex-based sensing platforms. <i>Analytica Chimica Acta</i> , 2016, 913, 41-54.	2.6	21
52	Lactose-Functionalized Gold Nanorods for Sensitive and Rapid Serological Diagnosis of Cancer. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 5813-5820.	4.0	28
53	Conjugating a groove-binding motif to an Ir(III) complex for the enhancement of G-quadruplex probe behavior. <i>Chemical Science</i> , 2016, 7, 2516-2523.	3.7	150
54	The synthesis of pillar[5]arene functionalized graphene as a fluorescent probe for paraquat in living cells and mice. <i>Chemical Communications</i> , 2016, 52, 4385-4388.	2.2	69

#	ARTICLE	IF	CITATIONS
55	Combination assay of lung cancer associated serum markers using surface-enhanced Raman spectroscopy. <i>Journal of Materials Chemistry B</i> , 2016, 4, 1811-1817.	2.9	45
56	Ultrasensitive, Multiplex Raman Frequency Shift Immunoassay of Liver Cancer Biomarkers in Physiological Media. <i>ACS Nano</i> , 2016, 10, 871-879.	7.3	91
57	Binding-regulated click ligation for selective detection of proteins. <i>Biosensors and Bioelectronics</i> , 2016, 78, 100-105.	5.3	15
58	Development of an Iridium(III) Complex as a G-Quadruplex Probe and Its Application for the G-Quadruplex-Based Luminescent Detection of Picomolar Insulin. <i>Analytical Chemistry</i> , 2016, 88, 981-987.	3.2	105
59	A signal-on split aptasensor for highly sensitive and specific detection of tumor cells based on FRET. <i>Chemical Communications</i> , 2016, 52, 1590-1593.	2.2	45
60	Sensitive detection and glycoprofiling of a prostate specific antigen using impedimetric assays. <i>Analyst</i> , 2016, 141, 1044-1051.	1.7	41
61	A reusable electrochemical immunosensor fabricated using a temperature-responsive polymer for cancer biomarker proteins. <i>Biosensors and Bioelectronics</i> , 2016, 78, 181-186.	5.3	32
62	In-depth investigation of the interaction between DNA and nano-sized graphene oxide. <i>Carbon</i> , 2016, 97, 92-98.	5.4	56
63	Label-free femtomolar cancer biomarker detection in human serum using graphene-coated surface plasmon resonance chips. <i>Biosensors and Bioelectronics</i> , 2017, 89, 606-611.	5.3	104
64	Design, synthesis, biological evaluation, and 3D-QSAR analysis of podophyllotoxin-dioxazole combination as tubulin targeting anticancer agents. <i>Chemical Biology and Drug Design</i> , 2017, 90, 236-243.	1.5	15
65	Luminescent iridium(III) complexes as COX-2-specific imaging agents in cancer cells. <i>Chemical Communications</i> , 2017, 53, 2822-2825.	2.2	47
66	Synthetic Biomarker Design by Using Analyte-Responsive Acetaminophen. <i>ChemBioChem</i> , 2017, 18, 910-913.	1.3	2
67	Colorimetric Biosensor for Detection of Cancer Biomarker by Au Nanoparticle-Decorated Bi ₂ Se ₃ Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6931-6940.	4.0	131
68	Human telomeric hybrid-2-over-hybrid-1 G-quadruplex targeting and a selective hypersaline-tolerant sensor using abasic site-engineered monomorphism. <i>Analytica Chimica Acta</i> , 2017, 964, 161-169.	2.6	13
69	A review on amperometric immunoassays for tumor markers based on the use of hybrid materials consisting of conducting polymers and noble metal nanomaterials. <i>Mikrochimica Acta</i> , 2017, 184, 969-979.	2.5	61
70	Metabolomic signature of brain cancer. <i>Molecular Carcinogenesis</i> , 2017, 56, 2355-2371.	1.3	86
71	Robust Fuel Catalyzed DNA Molecular Machine for in Vivo MicroRNA Detection. <i>Advanced Biology</i> , 2017, 1, 1700060.	3.0	18
72	Combination of Mass Signal Amplification and Isotope-Labeled Alkanethiols for the Multiplexed Detection of miRNAs. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1895-1899.	1.7	3

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73	Plasmon-Based Colorimetric Nanosensors for Ultrasensitive Molecular Diagnostics. <i>ACS Sensors</i> , 2017, 2, 857-875.	4.0	250
74	G-quadruplex DNA fluorescence sensing by a bis-amine-substituted styrylquinolinium dye. <i>Dyes and Pigments</i> , 2017, 145, 1-6.	2.0	14
75	A novel label-free strategy for pathogenic DNA detection based on metal ion binding-induced fluorescence quenching of graphitic carbon nitride nanosheets. <i>Analyst, The</i> , 2017, 142, 2617-2623.	1.7	26
76	In Situ Detection and Imaging of Telomerase Activity in Cancer Cell Lines via Disassembly of Plasmonic Core-Satellites Nanostructured Probe. <i>Analytical Chemistry</i> , 2017, 89, 7262-7268.	3.2	52
77	Hybridization chain reaction: a versatile molecular tool for biosensing, bioimaging, and biomedicine. <i>Chemical Society Reviews</i> , 2017, 46, 4281-4298.	18.7	547
78	Cancer-Associated, Stimuli-Driven, Turn on Theranostics for Multimodality Imaging and Therapy. <i>Advanced Materials</i> , 2017, 29, 1606857.	11.1	290
79	A graphene-based chemical nose/tongue approach for the identification of normal, cancerous and circulating tumor cells. <i>NPG Asia Materials</i> , 2017, 9, e356-e356.	3.8	45
80	Molecularly Imprinted Plasmonic Substrates for Specific and Ultrasensitive Immunoassay of Trace Glycoproteins in Biological Samples. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 12082-12091.	4.0	77
81	A label-free and high-efficient GO-based aptasensor for cancer cells based on cyclic enzymatic signal amplification. <i>Biosensors and Bioelectronics</i> , 2017, 91, 76-81.	5.3	46
82	Novel microfluidic device for the continuous separation of cancer cells using dielectrophoresis. <i>Journal of Separation Science</i> , 2017, 40, 1193-1200.	1.3	77
83	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
84	Multiplexing determination of cancer-associated biomarkers by surface-enhanced Raman scattering using ordered gold nanohoneycomb arrays. <i>Bioanalysis</i> , 2017, 9, 1561-1572.	0.6	19
85	Mixed Self-Assembly of Polyethylene Glycol and Aptamer on Polydopamine Surface for Highly Sensitive and Low-Fouling Detection of Adenosine Triphosphate in Complex Media. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31153-31160.	4.0	67
86	Multiplexed photoluminescent sensors: towards improved disease diagnostics. <i>Chemical Society Reviews</i> , 2017, 46, 6687-6696.	18.7	118
87	Designed Microdevices for In Vitro Diagnostics. <i>Small Methods</i> , 2017, 1, 1700196.	4.6	43
88	Detection of a cancer biomarker protein on modified cellulose paper by fluorescence using aptamer-linked quantum dots. <i>Analyst, The</i> , 2017, 142, 3132-3135.	1.7	39
89	Nanoparticle-Based Immunochemical Biosensors and Assays: Recent Advances and Challenges. <i>Chemical Reviews</i> , 2017, 117, 9973-10042.	23.0	518
90	Anti-IL8/AuNPs-rGO/ITO as an Immunosensing Platform for Noninvasive Electrochemical Detection of Oral Cancer. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27462-27474.	4.0	120

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91	Advanced Electrochemical Scaffolds for Multiplexed Biosensing of Cancer Reporters in Complex Clinical Samples. <i>Procedia Technology</i> , 2017, 27, 17-20.	1.1	0
92	DNA-Mediated Assembly of Gold Nanoparticles and Applications in Bioanalysis. <i>ChemNanoMat</i> , 2017, 3, 725-735.	1.5	16
93	Duplex voltammetric immunoassay for the cancer biomarkers carcinoembryonic antigen and alpha-fetoprotein by using metal-organic framework probes and a glassy carbon electrode modified with thiolated polyaniline nanofibers. <i>Mikrochimica Acta</i> , 2017, 184, 4037-4045.	2.5	28
94	The GENIE Is Out of the Bottle: Landmark Cancer Genomics Dataset Released. <i>Cancer Discovery</i> , 2017, 7, 796-798.	7.7	14
95	Unveiling NIR Azoboron-Dipyrromethene (BODIPY) Dyes as Raman Probes: Surface-Enhanced Raman Scattering (SERS)-Guided Selective Detection and Imaging of Human Cancer Cells. <i>Chemistry - A European Journal</i> , 2017, 23, 14286-14291.	1.7	20
96	mRNA-miRNA bipartite network reconstruction to predict prognostic module biomarkers in colorectal cancer stage differentiation. <i>Molecular BioSystems</i> , 2017, 13, 2168-2180.	2.9	33
97	Platinum-Decorated Gold Nanoparticles with Dual Functionalities for Ultrasensitive Colorimetric in Vitro Diagnostics. <i>Nano Letters</i> , 2017, 17, 5572-5579.	4.5	235
98	High Signal-to-Background Ratio Detection of Cancer Cells with Activatable Strategy Based on Target-Induced Self-Assembly of Split Aptamers. <i>Analytical Chemistry</i> , 2017, 89, 9347-9353.	3.2	28
99	Modulation of Spatiotemporal Particle Patterning in Evaporating Droplets: Applications to Diagnostics and Materials Science. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43352-43362.	4.0	21
100	Nanostructured Phthalocyanine Assemblies with Protein-Driven Switchable Photoactivities for Biophotonic Imaging and Therapy. <i>Journal of the American Chemical Society</i> , 2017, 139, 10880-10886.	6.6	296
101	Electrochemical nucleic acid detection based on parallel structural dsDNA/recombinant azurin hybrid. <i>Biosensors and Bioelectronics</i> , 2017, 98, 292-298.	5.3	25
102	Electrochemical peptide sensor for diagnosing adenoma-carcinoma transition in colon cancer. <i>Biosensors and Bioelectronics</i> , 2017, 98, 330-337.	5.3	24
103	An ultrasensitive bioluminogenic probe of $\hat{1}^3$ -Glutamyltranspeptidase in vivo and in human serum for tumor diagnosis. <i>Biosensors and Bioelectronics</i> , 2017, 98, 325-329.	5.3	26
104	Three-Dimensional Scaffold Chip with Thermosensitive Coating for Capture and Reversible Release of Individual and Cluster of Circulating Tumor Cells. <i>Analytical Chemistry</i> , 2017, 89, 7924-7932.	3.2	68
105	Zwitterionic peptide anchored to conducting polymer PEDOT for the development of antifouling and ultrasensitive electrochemical DNA sensor. <i>Biosensors and Bioelectronics</i> , 2017, 92, 396-401.	5.3	114
106	Fluorogenic 2D Peptidosheet Unravels CD47 as a Potential Biomarker for Profiling Hepatocellular Carcinoma and Cholangiocarcinoma Tissues. <i>Advanced Materials</i> , 2017, 29, 1604253.	11.1	37
107	Naked eye detection of multiple tumor-related mRNAs from patients with photonic-crystal micropattern supported dual-modal upconversion bioprobes. <i>Chemical Science</i> , 2017, 8, 466-472.	3.7	67
108	Photothermal Modeling and Analysis of Intrabody Terahertz Nanoscale Communication. <i>IEEE Transactions on Nanobioscience</i> , 2017, 16, 755-763.	2.2	36

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109	Cooperative Abnormality Detection via Diffusive Molecular Communications. IEEE Transactions on Nanobioscience, 2017, 16, 828-842.	2.2	28
110	High-Performance General-Purpose Arithmetic Operations Using the Massive Parallel DNA-Based Computation. , 2017, , .		0
111	Advances in the detection of telomerase activity using isothermal amplification. Theranostics, 2017, 7, 1847-1862.	4.6	52
112	A Signal-on Electrochemiluminescence Immunosensor for Detecting Alpha Fetoprotein Using Gold Nanoparticle- Graphite-Like Carbon Nitride Nanocomposite as Signal Probe. International Journal of Electrochemical Science, 2017, , 9784-9797.	0.5	6
113	Proximity Hybridization-Regulated Immunoassay for Cell Surface Protein and Protein-Overexpressing Cancer Cells via Electrochemiluminescence. Analytical Chemistry, 2018, 90, 3013-3018.	3.2	68
114	Ultrasensitive Faraday cage-type electrochemiluminescence assay for femtomolar miRNA-141 via graphene oxide and hybridization chain reaction-assisted cascade amplification. Biosensors and Bioelectronics, 2018, 109, 13-19.	5.3	54
115	Impedimetric paper-based biosensor for the detection of bacterial contamination in water. Sensors and Actuators B: Chemical, 2018, 265, 50-58.	4.0	97
116	A smartphone-based double-channel fluorescence setup for immunoassay of a carcinoembryonic antigen using CuS nanoparticles for signal amplification. Analyst, The, 2018, 143, 1670-1678.	1.7	17
117	An Automated Microfluidic Assay for Photonic Crystal Enhanced Detection and Analysis of an Antiviral Antibody Cancer Biomarker in Serum. IEEE Sensors Journal, 2018, 18, 1464-1473.	2.4	5
118	Spectroelectrochemical detection of microRNA-155 based on functional RNA immobilization onto ITO/GNP nanopattern. Journal of Biotechnology, 2018, 274, 40-46.	1.9	24
119	A Smart DNA Tweezer for Detection of Human Telomerase Activity. Analytical Chemistry, 2018, 90, 3521-3530.	3.2	72
120	3D flower-like ferrous(II) phosphate nanostructures as peroxidase mimetics for sensitive colorimetric detection of hydrogen peroxide and glucose at nanomolar level. Talanta, 2018, 182, 230-240.	2.9	58
121	Sensing Native Protein Solution Structures Using a Solid-state Nanopore: Unraveling the States of VEGF. Scientific Reports, 2018, 8, 1017.	1.6	40
122	Optical nano-biosensing interface <i>via</i> nucleic acid amplification strategy: construction and application. Chemical Society Reviews, 2018, 47, 1996-2019.	18.7	139
123	Amplified fluorescence detection of serum prostate specific antigen based on metal-dependent DNAzyme assistant nanomachine. Analytica Chimica Acta, 2018, 1008, 96-102.	2.6	20
124	Label-Free and Ultrasensitive Biomolecule Detection Based on Aggregation Induced Emission Fluorogen via Target-Triggered Hemin/G-Quadruplex-Catalyzed Oxidation Reaction. ACS Applied Materials & Interfaces, 2018, 10, 4561-4568.	4.0	76
125	A Highly Sensitive Strategy for Fluorescence Imaging of MicroRNA in Living Cells and in Vivo Based on Graphene Oxide-Enhanced Signal Molecules Quenching of Molecular Beacon. ACS Applied Materials & Interfaces, 2018, 10, 6982-6990.	4.0	71
126	Exosomes in Pancreatic Cancer: from Early Detection to Treatment. Journal of Gastrointestinal Surgery, 2018, 22, 737-750.	0.9	40

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127	Differences in metabolite profiles caused by pre-analytical blood processing procedures. <i>Journal of Bioscience and Bioengineering</i> , 2018, 125, 613-618.	1.1	34
128	Nano-functionalized long-period fiber grating probe for disease-specific protein detection. <i>Journal of Materials Chemistry B</i> , 2018, 6, 386-392.	2.9	18
129	Aptamer-functionalized magnetic and fluorescent nanospheres for one-step sensitive detection of thrombin. <i>Mikrochimica Acta</i> , 2018, 185, 77.	2.5	25
130	Selective Sensing of Ammonium Ion Over Other Biologically Important Ammonia Derivatives by a Coumarin-Based μ -Amino Ester. <i>ChemistrySelect</i> , 2018, 3, 393-398.	0.7	2
131	Lightening Up Membrane Receptors with Fluorescent Molecular Probes and Supramolecular Materials. <i>CheM</i> , 2018, 4, 246-268.	5.8	51
132	Identification of breast cancer through spectroscopic analysis of cell-membrane sialic acid expression. <i>Analytica Chimica Acta</i> , 2018, 1033, 148-155.	2.6	19
133	Early diagnosis of disease using microbead array technology: A review. <i>Analytica Chimica Acta</i> , 2018, 1032, 1-17.	2.6	55
134	Surface Enhanced Raman Spectroscopy for Medical Diagnostics. , 2018, , 1-66.		6
135	Signal amplification strategy for biomarkers: Structural origins of epitaxial-growth twinned nanocrystals and $\text{D}\delta\text{C}\text{A}$ type polymers. <i>Biosensors and Bioelectronics</i> , 2018, 109, 184-189.	5.3	2
136	Highly sensitive label-free amperometric immunoassay of prostate specific antigen using hollow dendritic AuPtAg alloyed nanocrystals. <i>Biosensors and Bioelectronics</i> , 2018, 111, 47-51.	5.3	53
137	Spectrophotometric and Electrochemical Determination of MicroRNA-155 Using Sandwich Hybridization Magnetic Beads. <i>Analytical Letters</i> , 2018, 51, 411-423.	1.0	19
138	A graphene quantum dots based electrochemiluminescence immunosensor for carcinoembryonic antigen detection using poly(5-formylindole)/reduced graphene oxide nanocomposite. <i>Biosensors and Bioelectronics</i> , 2018, 101, 123-128.	5.3	99
139	Antifouling aptasensor for the detection of adenosine triphosphate in biological media based on mixed self-assembled aptamer and zwitterionic peptide. <i>Biosensors and Bioelectronics</i> , 2018, 101, 129-134.	5.3	84
140	Fe ₃ O ₄ promoted metal organic framework MIL-100(Fe) for the controlled release of doxorubicin hydrochloride. <i>Microporous and Mesoporous Materials</i> , 2018, 259, 203-210.	2.2	64
141	Shifting paradigm of cancer diagnoses in clinically relevant samples based on miniaturized electrochemical nanobiosensors and microfluidic devices. <i>Biosensors and Bioelectronics</i> , 2018, 100, 411-428.	5.3	108
142	Polyamidoamine starburst dendrimer-activated chromatography paper-based assay for sensitive detection of telomerase activity. <i>Talanta</i> , 2018, 178, 116-121.	2.9	15
143	Convertible DNA ends-based silver nanoprobe for colorimetric detection human telomerase activity. <i>Talanta</i> , 2018, 178, 458-463.	2.9	13
144	Superwetable microchips with improved spot homogeneity toward sensitive biosensing. <i>Biosensors and Bioelectronics</i> , 2018, 102, 418-424.	5.3	47

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145	Therapeutic prospects of microRNAs in cancer treatment through nanotechnology. <i>Drug Delivery and Translational Research</i> , 2018, 8, 97-110.	3.0	31
146	Nanoplasmonic sensors for detecting circulating cancer biomarkers. <i>Advanced Drug Delivery Reviews</i> , 2018, 125, 48-77.	6.6	88
147	Copper (II) oxide nanozyme based electrochemical cytosensor for high sensitive detection of circulating tumor cells in breast cancer. <i>Journal of Electroanalytical Chemistry</i> , 2018, 812, 1-9.	1.9	76
148	Self-Assembled Hybrid Nanostructures: Versatile Multifunctional Nanoplatfoms for Cancer Diagnosis and Therapy. <i>Chemistry of Materials</i> , 2018, 30, 25-53.	3.2	83
149	Shell-encoded Au nanoparticles with tunable electroactivity for specific dual disease biomarkers detection. <i>Biosensors and Bioelectronics</i> , 2018, 99, 193-200.	5.3	49
150	Extraction, detection, and profiling of serum biomarkers using designed Fe ₃ O ₄ @SiO ₂ @HA core-shell particles. <i>Nano Research</i> , 2018, 11, 68-79.	5.8	65
151	Advanced Target Detection via Molecular Communication. , 2018, , .		13
152	Abnormality Detection Inside Blood Vessels With Mobile Nanomachines. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2018, 4, 189-194.	1.4	24
153	One step conversion of waste polyethylene to Cr ₃ C ₂ nanorods and Cr ₂ AlC particles under mild conditions. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2893-2897.	3.0	16
154	Selective tracking of ovarian-cancer-specific ¹³ C-glutamyltranspeptidase using a ratiometric two-photon fluorescent probe. <i>Journal of Materials Chemistry B</i> , 2018, 6, 7439-7443.	2.9	24
155	An ultrasensitive fluorescent aptasensor for detection of cancer marker proteins based on graphene oxide-ssDNA. <i>RSC Advances</i> , 2018, 8, 41143-41149.	1.7	13
156	Analyzing the Impact of Nanonode Density on Biological Tissues in Intrabody Nanonetworks. , 2018, , .		5
157	Hybrid Core-shell Particles for Metabolite Detection by Laser Desorption/Ionization Mass Spectrometry. , 2018, , .		0
158	Fabrication of Electrochemical-Based Bioelectronic Device and Biosensor Composed of Biomaterial-Nanomaterial Hybrid. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1064, 263-296.	0.8	10
159	Detection of Various Biomarkers and Enzymes via a Nanocluster-Based Fluorescence Turn-on Sensing Platform. <i>Analytical Chemistry</i> , 2018, 90, 14578-14585.	3.2	23
160	A Biomimetic Lipid Membrane Device Reveals the Interaction of Cancer Biomarkers with Human Serum Lipidic Moieties. <i>Biotechnology Journal</i> , 2018, 13, e1800463.	1.8	2
161	Effect of Strain Rate on the Plastic Deformation and Fracture of 90W-7Ni-3Fe Alloy Prepared by Liquid-Phase Sintering. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 6606-6615.	1.2	3
162	Fluorescent ZnS Quantum Dots-Phosphoethanolamine Nanoconjugates for Bioimaging Live Cells in Cancer Research. <i>ACS Omega</i> , 2018, 3, 15679-15691.	1.6	8

#	ARTICLE	IF	CITATIONS
163	Biofunctionalized microbead arrays for early diagnosis of breast cancer. <i>Biomedical Physics and Engineering Express</i> , 2018, 4, 065028.	0.6	10
164	Nanonetworks. , 2018, , 1-8.		0
165	Addressable TiO ₂ Nanotubes Functionalized Paper-Based Cyto-Sensor with Photocontrollable Switch for Highly-Efficient Evaluating Surface Protein Expressions of Cancer Cells. <i>Analytical Chemistry</i> , 2018, 90, 13882-13890.	3.2	74
166	Beta-galactosidase-responsive synthetic biomarker for targeted tumor detection. <i>Chemical Communications</i> , 2018, 54, 11745-11748.	2.2	9
167	Versatile Types of DNA-Based Nanobiosensors for Specific Detection of Cancer Biomarker FEN1 in Living Cells and Cell-Free Systems. <i>Nano Letters</i> , 2018, 18, 7383-7388.	4.5	57
168	Surface-Confined Electrochemiluminescence Microscopy of Cell Membranes. <i>Journal of the American Chemical Society</i> , 2018, 140, 14753-14760.	6.6	221
169	Trypsin enhances aptamer screening: A novel method for targeting proteins. <i>Analytical Biochemistry</i> , 2018, 561-562, 89-95.	1.1	7
170	Two-photon fluorescent polydopamine nanodots for CAR-T cell function verification and tumor cell/tissue detection. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6459-6467.	2.9	16
171	DNA Octahedron-Based Fluorescence Nanoprobe for Dual Tumor-Related mRNAs Detection and Imaging. <i>Analytical Chemistry</i> , 2018, 90, 12059-12066.	3.2	72
172	Biological and chemical sensing applications based on special wettable surfaces. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 108, 183-194.	5.8	30
173	Femtosecond-Pulsed Laser Written and Etched Fiber Bragg Gratings for Fiber-Optical Biosensing. <i>Sensors</i> , 2018, 18, 2844.	2.1	17
174	A smartphone-based ratiometric resonance light scattering device for field analysis of Pb ²⁺ in river water samples and immunoassay of alpha fetoprotein using PbS nanoparticles as signal tag. <i>Sensors and Actuators B: Chemical</i> , 2018, 271, 358-366.	4.0	17
175	Multiplexed chemiluminescence imaging assay of protein biomarkers using DNA microarray with proximity binding-induced hybridization chain reaction amplification. <i>Analytica Chimica Acta</i> , 2018, 1032, 130-137.	2.6	32
176	High-Throughput and Sensitive Fluorimetric Strategy for MicroRNAs in Blood Using Wettable Microwells Array and Silver Nanoclusters with Red Fluorescence Enhanced by Metal Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 23647-23656.	4.0	48
177	Circulating tumor DNA, liquid biopsy, and next generation sequencing: A comprehensive technical and clinical applications review. <i>Meta Gene</i> , 2018, 17, 192-201.	0.3	13
178	Ratiometric real-time monitoring of hydroxyapatite@doxorubicin nanotheranostic agents for on-demand tumor targeted chemotherapy. <i>Materials Chemistry Frontiers</i> , 2018, 2, 1791-1798.	3.2	13
179	Near Infrared Boron Dipyrromethene Nanoparticles for Optotheranostics. <i>Small Methods</i> , 2018, 2, 1700370.	4.6	45
180	A facile plasmonic silver needle for fluorescence-enhanced detection of tumor markers. <i>Analytica Chimica Acta</i> , 2018, 1040, 120-127.	2.6	8

#	ARTICLE	IF	CITATIONS
181	Genome-wide analysis of NGS data to compile cancer-specific panels of miRNA biomarkers. PLoS ONE, 2018, 13, e0200353.	1.1	12
182	“Three-in-one” Nanohybrids as Synergistic Nanoquenchers to Enhance No-Wash Fluorescence Biosensors for Ratiometric Detection of Cancer Biomarkers. Theranostics, 2018, 8, 3461-3473.	4.6	72
183	Rapid aptasensor capable of simply detect tumor markers based on conjugated polyelectrolytes. Talanta, 2018, 190, 204-209.	2.9	28
184	Cancer biomarker determination by resonance energy transfer using functional fluorescent nanoprobe. Analytica Chimica Acta, 2018, 1041, 1-24.	2.6	40
185	On the photo-thermal effect of intra-body nano-optical communications on red blood cells. , 2018, , .		3
186	In Silico Study, Synthesis, and Cytotoxic Activities of Porphyrin Derivatives. Pharmaceuticals, 2018, 11, 8.	1.7	14
187	A highly selective electrochemical immunosensor based on conductive carbon black and star PGMA polymer composite material for IL-8 biomarker detection in human serum and saliva. Biosensors and Bioelectronics, 2018, 117, 720-728.	5.3	82
188	Group 8-9 Metal-Based Luminescent Chemosensors for Protein Biomarker Detection. Journal of Analysis and Testing, 2018, 2, 77-89.	2.5	4
189	A New Strategy Involving the Use of Peptides and Graphene Oxide for Fluorescence Turn-on Detection of Proteins. Sensors, 2018, 18, 385.	2.1	8
190	1,3,4-Oxadiazoles as Telomerase Inhibitor: Potential Anticancer Agents. Anti-Cancer Agents in Medicinal Chemistry, 2018, 17, 1869-1883.	0.9	20
191	Bifunctional Au@Bi ₂ Se ₃ Core-Shell Nanoparticle for Synergetic Therapy by SERS-Traceable AntagomiR Delivery and Photothermal Treatment. Small, 2018, 14, e1802934.	5.2	47
192	Development of quantum dot-based biosensors: principles and applications. Journal of Materials Chemistry B, 2018, 6, 6173-6190.	2.9	119
193	Increasing the Communication Distance Between Nano-Biosensing Implants and Wearable Devices. , 2018, , .		9
194	Enhanced immunofluorescence detection of a protein marker using a PAA modified ZnO nanorod array-based microfluidic device. Nanoscale, 2018, 10, 17663-17670.	2.8	28
195	Applications of CRISPR-Cas Enzymes in Cancer Therapeutics and Detection. Trends in Cancer, 2018, 4, 499-512.	3.8	89
196	Green synthesis of hydrophilic protein-imprinted resin with specific recognition of bovine serum albumin in aqueous matrix. Analytica Chimica Acta, 2018, 1033, 213-220.	2.6	24
197	An Ultrasensitive Diagnostic Biochip Based on Biomimetic Periodic Nanostructure-Assisted Rolling Circle Amplification. ACS Nano, 2018, 12, 6777-6783.	7.3	66
198	Array-based Generation of Response Patterns with Common Fluorescent Dyes for Identification of Proteins and Cells. Analytical Sciences, 2019, 35, 99-102.	0.8	2

#	ARTICLE	IF	CITATIONS
199	Detection of Biomarkers in Blood Using Liquid Crystals Assisted with Aptamer-Target Recognition Triggered in Situ Rolling Circle Amplification on Magnetic Beads. <i>Analytical Chemistry</i> , 2019, 91, 11653-11660.	3.2	41
200	Development of an Immunosensor Based on the Exothermic Reaction between H ₂ O and CaO Using a Common Thermometer as Readout. <i>ACS Sensors</i> , 2019, 4, 2375-2380.	4.0	30
201	A portable dual-mode sensor based on a TiO ₂ nanotube membrane for the evaluation of telomerase activity. <i>Chemical Communications</i> , 2019, 55, 10571-10574.	2.2	15
202	Biosensors for early diagnosis of pancreatic cancer: a review. <i>Translational Research</i> , 2019, 213, 67-89.	2.2	64
203	BODIPY-functionalized 1,10-phenanthroline as a long wavelength sensitizer for near-infrared emission of the ytterbium(III) ion. <i>Dalton Transactions</i> , 2019, 48, 13880-13887.	1.6	7
204	Biophysical and Biochemical Characteristics as Complementary Indicators of Melanoma Progression. <i>Analytical Chemistry</i> , 2019, 91, 9885-9892.	3.2	17
205	Diameter-optimized high-order waveguide nanorods for fluorescence enhancement applied in ultrasensitive bioassays. <i>Nanoscale</i> , 2019, 11, 14322-14329.	2.8	21
206	Direct Detection of Circulating Tumor Cells in Whole Blood Using Time-Resolved Luminescent Lanthanide Nanoproboscopes. <i>Angewandte Chemie</i> , 2019, 131, 12323-12327.	1.6	4
207	Direct Detection of Circulating Tumor Cells in Whole Blood Using Time-Resolved Luminescent Lanthanide Nanoproboscopes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12195-12199.	7.2	62
208	A novel triarylboron based ratiometric fluorescent probe for in vivo targeting and specific imaging of cancer cells expressing abnormal concentration of GGT. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111497.	5.3	26
209	Analysis of circulating non-coding RNAs in a non-invasive and cost-effective manner. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 117, 242-262.	5.8	18
210	Toward Personalized Cancer Treatment: From Diagnostics to Therapy Monitoring in Miniaturized Electrohydrodynamic Systems. <i>Accounts of Chemical Research</i> , 2019, 52, 2113-2123.	7.6	32
211	One-step sensitive thrombin detection based on a nanofibrous sensing platform. <i>Journal of Materials Chemistry B</i> , 2019, 7, 5161-5169.	2.9	23
212	Dual Molecularly Imprinted Polymer-Based Plasmonic Immunosandwich Assay for the Specific and Sensitive Detection of Protein Biomarkers. <i>Analytical Chemistry</i> , 2019, 91, 9993-10000.	3.2	81
213	Aptamer-based electrochemical cytosensors for tumor cell detection in cancer diagnosis: A review. <i>Analytica Chimica Acta</i> , 2019, 1082, 1-17.	2.6	77
214	Aptamer Conformation Switching-Induced Two-Stage Amplification for Fluorescent Detection of Proteins. <i>Sensors</i> , 2019, 19, 77.	2.1	6
215	Implication of Magnetic Nanoparticles in Cancer Detection, Screening and Treatment. <i>Magnetochemistry</i> , 2019, 5, 55.	1.0	79
216	Genomics, Proteomics, and Metabolomics. <i>Pancreatic Islet Biology</i> , 2019, , .	0.1	6

#	ARTICLE	IF	CITATIONS
217	Microwave Assisted Reactions of Fluorescent Pyrrolo-diazine Building Blocks. <i>Molecules</i> , 2019, 24, 3760.	1.7	11
218	Current Trends of Nanobiosensors for Point-of-Care Diagnostics. <i>Journal of Analytical Methods in Chemistry</i> , 2019, 2019, 1-16.	0.7	70
219	Overexpression of lncRNA AFAP1-AS1 promotes cell proliferation and invasion in gastric cancer. <i>Oncology Letters</i> , 2019, 18, 3211-3217.	0.8	10
220	Target-controlled <i>in situ</i> formation of G-quadruplex DNAzyme for a sensitive visual assay of telomerase activity. <i>Analyst, The</i> , 2019, 144, 5959-5964.	1.7	14
221	A review of medical image detection for cancers in digestive system based on artificial intelligence. <i>Expert Review of Medical Devices</i> , 2019, 16, 877-889.	1.4	23
222	Graphene-based biosensors for the detection of prostate cancer protein biomarkers: a review. <i>BMC Chemistry</i> , 2019, 13, 112.	1.6	40
223	Consecutive Sorting and Phenotypic Counting of CTCs by an Optofluidic Flow Cytometer. <i>Analytical Chemistry</i> , 2019, 91, 14133-14140.	3.2	15
224	2D Materials in Development of Electrochemical Point-of-Care Cancer Screening Devices. <i>Micromachines</i> , 2019, 10, 662.	1.4	37
225	Dopamine-Based Paper Analytical Device for Truly Equipment-Free and Naked-Eye Biosensing Based on the Target-Initiated Catalyzed Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36469-36475.	4.0	42
226	Electrochemiluminescent Chemosensors for Clinical Applications: A Review. <i>Biochip Journal</i> , 2019, 13, 203-216.	2.5	26
227	Rationally Engineered Nucleic Acid Architectures for Biosensing Applications. <i>Chemical Reviews</i> , 2019, 119, 11631-11717.	23.0	207
228	Multiplexed surface plasmon imaging of serum biomolecules: Fe ₃ O ₄ @Au Core/shell nanoparticles with plasmonic simulation insights. <i>Sensors and Actuators B: Chemical</i> , 2019, 299, 126956.	4.0	23
229	A new ratiometric electrochemical immunoassay for reliable detection of nuclear matrix protein 22. <i>Analytica Chimica Acta</i> , 2019, 1086, 103-109.	2.6	16
230	DNA-MnO ₂ nanosheets as washing- and label-free platform for array-based differentiation of cell types. <i>Analytica Chimica Acta</i> , 2019, 1056, 1-6.	2.6	9
231	High throughput screening of complex biological samples with mass spectrometry – from bulk measurements to single cell analysis. <i>Analyst, The</i> , 2019, 144, 872-891.	1.7	61
232	Electrochemical sensors and biosensors based on the use of polyaniline and its nanocomposites: a review on recent advances. <i>Mikrochimica Acta</i> , 2019, 186, 465.	2.5	125
233	Relay-race RNA/barcode gold nanoflower hybrid for wide and sensitive detection of microRNA in total patient serum. <i>Biosensors and Bioelectronics</i> , 2019, 141, 111468.	5.3	19
234	Electrochemiluminescence-Based Capacitance Microscopy for Label-Free Imaging of Antigens on the Cellular Plasma Membrane. <i>Journal of the American Chemical Society</i> , 2019, 141, 10294-10299.	6.6	172

#	ARTICLE	IF	CITATIONS
235	Rare-earth-doped upconversion nanocrystals embedded mesoporous silica nanoparticles for multiple microRNA detection. <i>Chemical Engineering Journal</i> , 2019, 374, 863-869.	6.6	19
236	Construction of a Robust Entropy-Driven DNA Nanomachine for Single-Molecule Detection of Rare Cancer Cells. <i>Analytical Chemistry</i> , 2019, 91, 7505-7509.	3.2	65
237	Coordination polymers of Tb ³⁺ /Nucleotide as smart chemical nose/tongue toward pattern-recognition-based and time-resolved fluorescence sensing. <i>Biosensors and Bioelectronics</i> , 2019, 139, 111335.	5.3	25
238	Turn-on fluorescence detection of β -glucuronidase using RhB@MOF-5 as an ultrasensitive nanoprobe. <i>Sensors and Actuators B: Chemical</i> , 2019, 295, 1-6.	4.0	51
239	Recent Advances in Biosensors for Detecting Cancer-Derived Exosomes. <i>Trends in Biotechnology</i> , 2019, 37, 1236-1254.	4.9	155
240	Overexpression of MTHFD1 in hepatocellular carcinoma predicts poorer survival and recurrence. <i>Future Oncology</i> , 2019, 15, 1771-1780.	1.1	20
241	Recent Advances on Electrochemical Biosensing Strategies toward Universal Point-of-Care Systems. <i>Angewandte Chemie</i> , 2019, 131, 12483-12496.	1.6	57
242	Direct Monitoring of Cancer-Associated mRNAs in Living Cells to Evaluate the Therapeutic RNAi Efficiency Using Fluorescent Nanosensor. <i>ACS Sensors</i> , 2019, 4, 1174-1179.	4.0	6
243	Photovoltaics, plasmonics, plastic antibodies and electrochromism combined for a novel generation of self-powered and self-signalled electrochemical biomimetic sensors. <i>Biosensors and Bioelectronics</i> , 2019, 137, 72-81.	5.3	14
244	Miniaturized Electrochemical Sensors to Facilitate Liquid Biopsy for Detection of Circulating Tumor Markers. <i>Bioanalysis</i> , 2019, , 71-98.	0.1	1
245	Magnetic nanoparticles for smart electrochemical immunoassays: a review on recent developments. <i>Mikrochimica Acta</i> , 2019, 186, 312.	2.5	108
246	A self-powered microfluidic chip integrated with fluorescent microscopic counting for biomarkers assay. <i>Sensors and Actuators B: Chemical</i> , 2019, 291, 192-199.	4.0	14
247	Boron-titanate monolayer nanosheets for highly selective adsorption of immunoglobulin G. <i>Nanoscale</i> , 2019, 11, 9362-9368.	2.8	20
248	Recent Advances on Electrochemical Biosensing Strategies toward Universal Point-of-Care Systems. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12355-12368.	7.2	155
249	A review on graphene-based nanocomposites for electrochemical and fluorescent biosensors. <i>RSC Advances</i> , 2019, 9, 8778-8881.	1.7	546
250	The association between income, wealth, economic security perception, and health: a longitudinal Australian study. <i>Health Sociology Review</i> , 2019, 28, 20-38.	1.7	16
251	A label-free and double recognition ² amplification novel strategy for sensitive and accurate carcinoembryonic antigen assay. <i>Biosensors and Bioelectronics</i> , 2019, 131, 113-118.	5.3	49
252	Enhancing Disease Diagnosis: Biomedical Applications of Surface-Enhanced Raman Scattering. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1163.	1.3	50

#	ARTICLE	IF	CITATIONS
253	Bioinspired synthesis of organic-inorganic hybrid nanoflowers for robust enzyme-free electrochemical immunoassay. <i>Biosensors and Bioelectronics</i> , 2019, 133, 94-99.	5.3	58
254	Fluorescence enhancement strategy for evaluation of the minor groove binder DAPI to complementary ssDNA sequence including telomere mimics in (ssDNA@DAPI/LDH) ultrathin films. <i>Dyes and Pigments</i> , 2019, 166, 422-432.	2.0	12
255	Non-invasive diagnosis of bladder cancer by detecting telomerase activity in human urine using hybridization chain reaction and dynamic light scattering. <i>Analytica Chimica Acta</i> , 2019, 1065, 90-97.	2.6	26
256	Ultrasensitive detection of hERG potassium channel in single-cell with photocleavable and entropy-driven reactions by using an electrochemical biosensor. <i>Biosensors and Bioelectronics</i> , 2019, 132, 310-318.	5.3	15
257	All-in-One Synchronized DNA Nanodevices Facilitating Multiplexed Cell Imaging. <i>Analytical Chemistry</i> , 2019, 91, 4696-4701.	3.2	23
258	Templated seed-mediated derived Au nanoarchitectures embedded with nanochitosan: Sensitive electrochemical aptasensor for vascular endothelial growth factor and living MCF-7 cell detection. <i>Applied Surface Science</i> , 2019, 481, 505-514.	3.1	19
260	Rational Design of Framework Nucleic Acids for Bioanalytical Applications. <i>ChemPlusChem</i> , 2019, 84, 512-523.	1.3	22
261	A Universal Paper-Based Electrochemical Sensor for Zero-Background Assay of Diverse Biomarkers. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 15381-15388.	4.0	103
262	An epoxysilane modified indium tin oxide electrode for the determination of PAK 2: Application in human serum samples. <i>Analytica Chimica Acta</i> , 2019, 1062, 68-77.	2.6	13
263	A Dual-Signal Twinkling Probe for Fluorescence-SERS Dual Spectrum Imaging and Detection of miRNA in Single Living Cell via Absolute Value Coupling of Reciprocal Signals. <i>ACS Sensors</i> , 2019, 4, 924-930.	4.0	32
264	Anion induced supramolecular polymerization: a novel approach for the ultrasensitive detection and separation of F ²⁺ . <i>Chemical Communications</i> , 2019, 55, 3247-3250.	2.2	77
265	Metabolomic diagnostics and human digital image. <i>Personalized Medicine</i> , 2019, 16, 133-144.	0.8	10
266	Amperometric aptasensor for carcinoembryonic antigen based on the use of bifunctionalized Janus nanoparticles as biorecognition-signaling element. <i>Analytica Chimica Acta</i> , 2019, 1061, 84-91.	2.6	51
267	Bio-Inspired Nanorouter Mobility Model for Energy Efficient Data Collection in Intrabody Nanonetwork. , 2019, , .		6
268	Exploiting Temporal Correlation Mechanism for Energy Efficient Data Collection in Intrabody Nanonetworks. , 2019, , .		4
269	On the Distribution of Molecules for Diffusion Based Molecular Communication System. , 2019, , .		3
270	HeLa Cell Culture: Immortal Heritage of Henrietta Lacks. <i>Molecular Genetics, Microbiology and Virology</i> , 2019, 34, 195-200.	0.0	8
271	Supramolecular Recognition-Mediated Layer-by-Layer Self-Assembled Gold Nanoparticles for Customized Sensitivity in Paper-Based Strip Nanobiosensors. <i>Small</i> , 2019, 15, e1903861.	5.2	47

#	ARTICLE	IF	CITATIONS
272	Programming Accessibility of DNA Monolayers for Degradation-Free Whole-Blood Biosensors. , 2019, 1, 671-676.		21
273	Label-Free Telomerase Activity Detection via Electrochemical Impedance Spectroscopy. ACS Omega, 2019, 4, 16724-16732.	1.6	10
274	Multi-threshold and multi-input DNA logic design style for profiling the microRNA biomarkers of real cancers. IET Nanobiotechnology, 2019, 13, 665-673.	1.9	7
275	A fluorescent molecularly imprinted device for the on-line analysis of AFP in human serum. Journal of Materials Chemistry B, 2019, 7, 6187-6194.	2.9	7
276	Fuzzy Logic and Bio-Inspired Firefly Algorithm Based Routing Scheme in Intrabody Nanonetworks. Sensors, 2019, 19, 5526.	2.1	21
277	Advances in nanoplasmonic biosensors for clinical applications. Analyst, The, 2019, 144, 7105-7129.	1.7	63
278	Quantitative and specific detection of cancer-related microRNAs in living cells using surface-enhanced Raman scattering imaging based on hairpin DNA-functionalized gold nanocages. Analyst, The, 2019, 144, 7250-7262.	1.7	29
279	<i>Pyrococcus furiosus</i> Argonaute-mediated nucleic acid detection. Chemical Communications, 2019, 55, 13219-13222.	2.2	76
280	A meta-analysis of the diagnostic value of microRNA-1246 for malignant tumors. Medicine (United Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50.4	8.4	4
281	The Optoelectronic Nose: Colorimetric and Fluorometric Sensor Arrays. Chemical Reviews, 2019, 119, 231-292.	23.0	718
282	Application of Isothermal Nucleic Acid Signal Amplification in the Detection of Hepatocellular Carcinoma-associated MicroRNA. ChemPlusChem, 2019, 84, 8-17.	1.3	12
283	Ultrasensitive Ambient Mass Spectrometry Immunoassays: Multiplexed Detection of Proteins in Serum and on Cell Surfaces. Journal of the American Chemical Society, 2019, 141, 72-75.	6.6	81
284	The contribution and perspectives of proteomics to uncover ovarian cancer tumor markers. Translational Research, 2019, 206, 71-90.	2.2	16
285	Transition metal complexes based aptamers as optical diagnostic tools for disease proteins and biomolecules. Coordination Chemistry Reviews, 2019, 380, 519-549.	9.5	21
286	An Overview of the Recent Progress in the Synthesis and Applications of Carbon Nanotubes. Journal of Carbon Research, 2019, 5, 3.	1.4	128
287	Proximity recognition and polymerase-powered DNA walker for one-step and amplified electrochemical protein analysis. Biosensors and Bioelectronics, 2019, 128, 104-112.	5.3	32
288	Exosomes for Non-invasive Cancer Monitoring. Biotechnology Journal, 2019, 14, e1800430.	1.8	47
289	Recent advances in magnetic fluid hyperthermia for cancer therapy. Colloids and Surfaces B: Biointerfaces, 2019, 174, 42-55.	2.5	233

#	ARTICLE	IF	CITATIONS
290	Self-assembled poly-HRP dual signal amplification strategy for high-sensitive detection of circulating miR-142-3p in human serum. <i>Sensors and Actuators B: Chemical</i> , 2019, 279, 440-446.	4.0	15
291	A novel fluorescent aptasensor for sensitive detection of PDGF-BB protein based on a split complementary strand of aptamer and magnetic beads. <i>Sensors and Actuators B: Chemical</i> , 2019, 280, 10-15.	4.0	31
292	Tactile Chemomechanical Transduction Based on an Elastic Microstructured Array to Enhance the Sensitivity of Portable Biosensors. <i>Advanced Materials</i> , 2019, 31, e1803883.	11.1	45
293	Simultaneous detection of telomerase and miRNA with graphene oxide-based fluorescent aptasensor in living cells and tissue samples. <i>Biosensors and Bioelectronics</i> , 2019, 124-125, 199-204.	5.3	70
294	Early Cancer Detection in Blood Vessels Using Mobile Nanosensors. <i>IEEE Transactions on Nanobioscience</i> , 2019, 18, 103-116.	2.2	51
295	Dual-Mode Au Nanoprobe Based on Surface Enhancement Raman Scattering and Colorimetry for Sensitive Determination of Telomerase Activity Both in Cell Extracts and in the Urine of Patients. <i>ACS Sensors</i> , 2019, 4, 211-217.	4.0	43
296	Bioassay of saliva proteins: The best alternative for conventional methods in non-invasive diagnosis of cancer. <i>International Journal of Biological Macromolecules</i> , 2019, 124, 1246-1255.	3.6	63
297	A label-free electrochemical biosensor for ultra-sensitively detecting telomerase activity based on the enhanced catalytic currents of acetaminophen catalyzed by Au nanorods. <i>Biosensors and Bioelectronics</i> , 2019, 124-125, 53-58.	5.3	67
298	Glycosylation Profiling of Tumor Marker in Plasma Using Bead-Based Immunoassay. <i>Methods in Molecular Biology</i> , 2019, 1871, 413-420.	0.4	3
299	Graphitic C ₃ N ₄ nanosheet and hemin/G-quadruplex DNAzyme-based label-free chemiluminescence aptasensing for biomarkers. <i>Talanta</i> , 2019, 192, 400-406.	2.9	23
300	Biomarker profiling for breast cancer detection: translational research to determine acceptance of a novel breast cancer screening technique. <i>Health Systems</i> , 2019, 8, 44-51.	0.9	1
301	Advances in surface-enhanced Raman spectroscopy for cancer diagnosis and staging. <i>Journal of Raman Spectroscopy</i> , 2020, 51, 7-36.	1.2	36
302	Stable thin films of human P53 antigen on gold surface for the detection of tumour associated anti-P53 autoantibodies. <i>Electrochimica Acta</i> , 2020, 331, 135272.	2.6	17
303	Activatable Phototheranostic Materials for Imaging-Guided Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5286-5299.	4.0	75
305	Nano/Micromotors for Diagnosis and Therapy of Cancer and Infectious Diseases. <i>Chemistry - A European Journal</i> , 2020, 26, 2309-2326.	1.7	45
306	Integration of black phosphorus and hollow-core anti-resonant fiber enables two-order magnitude enhancement of sensitivity for bisphenol A detection. <i>Biosensors and Bioelectronics</i> , 2020, 149, 111821.	5.3	22
307	Microfluidic chip electrophoresis for biochemical analysis. <i>Journal of Separation Science</i> , 2020, 43, 258-270.	1.3	73
308	Polymeric nanoassemblies for enrichment and detection of peptides and proteins in human breast milk. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1027-1035.	1.9	6

#	ARTICLE	IF	CITATIONS
310	Facile Strategy To Enhance Specificity and Sensitivity of Molecular Beacons by an Aptamer-Functionalized Delivery Vector. <i>Analytical Chemistry</i> , 2020, 92, 2088-2096.	3.2	29
311	Informative top-k class associative rule for cancer biomarker discovery on microarray data. <i>Expert Systems With Applications</i> , 2020, 146, 113169.	4.4	10
312	Single Functionalized pRNA/Gold Nanoparticle for Ultrasensitive MicroRNA Detection Using Electrochemical Surface-Enhanced Raman Spectroscopy. <i>Advanced Science</i> , 2020, 7, 1902477.	5.6	53
314	Review of Measurement and Analysis of Cancer Biomarkers Based on Electrochemical Biosensors. <i>Journal of the Electrochemical Society</i> , 2020, 167, 037525.	1.3	141
315	Biodegradable MnO ₂ nanosheet-mediated catalytic hairpin assembly for two-color imaging of mRNAs in living cells. <i>Microchemical Journal</i> , 2020, 153, 104367.	2.3	9
316	A review on peptide functionalized graphene derivatives as nanotools for biosensing. <i>Mikrochimica Acta</i> , 2020, 187, 27.	2.5	32
317	Electrochemical sensors. , 2020, , 47-71.		21
318	A high sensitivity background eliminated fluorescence sensing platform for hyaluronidase activity detection based on Si QDs/HA-FeOOH nanoassembly. <i>Biosensors and Bioelectronics</i> , 2020, 150, 111928.	5.3	17
319	Landscape of cancer diagnostic biomarkers from specifically expressed genes. <i>Briefings in Bioinformatics</i> , 2020, 21, 2175-2184.	3.2	41
320	Nonstochastic Protein Counting Analysis for Precision Biomarker Detection: Suppressing Poisson Noise at Ultralow Concentration. <i>Analytical Chemistry</i> , 2020, 92, 654-658.	3.2	15
321	Solo Smart Fluorogenic Probe for Potential Cancer Diagnosis and Tracking in Vivo Tumorous Lymphatic Systems via Distinct Emission Signals. <i>Analytical Chemistry</i> , 2020, 92, 1541-1548.	3.2	40
322	Nanoparticle-enabled blood tests for early detection of pancreatic ductal adenocarcinoma. <i>Cancer Letters</i> , 2020, 470, 191-196.	3.2	30
323	Dynamic Barcode Assay Enables Electrochemical Detection of a Cancer Biomarker in Undiluted Human Plasma: A Sample-In-Answer-Out Approach. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22617-22622.	7.2	28
324	Platinum-based nanocomposite as oxygen reduction catalyst for efficient signal amplification: Toward building of high-performance photocathodic immunoassay. <i>Biosensors and Bioelectronics</i> , 2020, 168, 112563.	5.3	10
325	Dynamic Barcode Assay Enables Electrochemical Detection of a Cancer Biomarker in Undiluted Human Plasma: A Sample-In-Answer-Out Approach. <i>Angewandte Chemie</i> , 2020, 132, 22806-22811.	1.6	11
326	Gradient Triple-Layered ZnS/ZnO/Ta ₂ O ₅ -SiO ₂ Core-Shell Nanoparticles for Enzyme-Based Electrochemical Detection of Cancer Biomarkers. <i>ACS Applied Nano Materials</i> , 2020, 3, 8461-8471.	2.4	21
327	Homogeneous assay based on the pre-reduction and selective cation exchange for detection of multiple targets by atomic spectrometry. <i>Talanta</i> , 2020, 219, 121387.	2.9	7
328	Carbon Nanocage/Fe ₃ O ₄ /DNA-Based Magnetically Targeted Intracellular Imaging of Telomerase via Catalyzed Hairpin Assembly and Photodynamic-Photothermal Combination Therapy of Tumor Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 53624-53633.	4.0	16

#	ARTICLE	IF	CITATIONS
329	A review on graphene-based materials as versatile cancer biomarker sensors. <i>Frontiers of Materials Science</i> , 2020, 14, 353-372.	1.1	8
330	Biodetection and sensing for cancer diagnostics. , 2020, , 643-660.		3
331	Gold Nanoparticles for Vectorization of Nucleic Acids for Cancer Therapeutics. <i>Molecules</i> , 2020, 25, 3489.	1.7	27
332	Dually Crosslinked Supramolecular Hydrogel for Cancer Biomarker Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 36873-36881.	4.0	28
333	Recent Advancements in Biomarkers and Early Detection of Gastrointestinal Cancers. <i>Diagnostics and Therapeutic Advances in GI Malignancies</i> , 2020, , .	0.2	1
334	Current trends, achievements, and prospects of smart nanodevices in the global pharma market. , 2020, , 351-393.		0
335	Current immunoassay methods and their applications to clinically used biomarkers of breast cancer. <i>Clinical Biochemistry</i> , 2020, 78, 43-57.	0.8	48
336	Impedimetric Detection of MicroRNAs by the Signal Amplification of Streptavidin Induced In Situ Formation of Biotin Phenylalanine Nanoparticle Networks. <i>Journal of the Electrochemical Society</i> , 2020, 167, 117505.	1.3	6
337	Identification and expression analysis of novel splice variants of the human carcinoembryonic antigen-related cell adhesion molecule 19 (CEACAM19) gene using a high-throughput sequencing approach. <i>Genomics</i> , 2020, 112, 4268-4276.	1.3	3
338	Amperometric aptasensor for carcinoembryonic antigen based on a reduced graphene oxide/gold nanoparticles modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2020, 877, 114511.	1.9	20
339	Self-assembled biotin-phenylalanine nanoparticles for the signal amplification of surface plasmon resonance biosensors. <i>Mikrochimica Acta</i> , 2020, 187, 473.	2.5	15
340	Rational Design of Functional Peptide-Gold Hybrid Nanomaterials for Molecular Interactions. <i>Advanced Materials</i> , 2020, 32, e2000866.	11.1	54
341	Experimental and theoretical study for miR-155 detection through resveratrol interaction with nucleic acids using magnetic core-shell nanoparticles. <i>Mikrochimica Acta</i> , 2020, 187, 479.	2.5	29
342	Ultrasensitive and specific microRNA detection via dynamic light scattering of DNA network based on rolling circle amplification. <i>Sensors and Actuators B: Chemical</i> , 2020, 324, 128693.	4.0	22
343	The development of an ultra-sensitive electrochemical immunosensor using a PPy-NHS functionalized disposable ITO sheet for the detection of interleukin 6 in real human serums. <i>New Journal of Chemistry</i> , 2020, 44, 14228-14238.	1.4	27
344	Sensitive detection of intracellular telomerase activity via double signal amplification and ratiometric fluorescence resonance energy transfer. <i>Analyst</i> , 2020, 145, 6992-6999.	1.7	10
345	Expression of microRNA-155 and human telomerase reverse transcriptase in patients with bladder cancer. <i>Egyptian Journal of Basic and Applied Sciences</i> , 2020, 7, 315-322.	0.2	2
346	Zwitterionic Polydopamine Engineered Interface for In Vivo Sensing with High Biocompatibility. <i>Angewandte Chemie</i> , 2020, 132, 23651-23655.	1.6	11

#	ARTICLE	IF	CITATIONS
347	Synthesis of New Picolylamine Bearing Calix[8]arene Derivatives as Antiproliferative Agents for Colorectal Carcinoma. <i>ChemistrySelect</i> , 2020, 5, 12250-12254.	0.7	5
348	Cancer Biomarker-Triggered Disintegrable DNA Nanogels for Intelligent Drug Delivery. <i>Nano Letters</i> , 2020, 20, 8399-8407.	4.5	33
349	Multiplex coherent anti-Stokes Raman scattering microspectroscopy detection of lipid droplets in cancer cells expressing TrkB. <i>Scientific Reports</i> , 2020, 10, 16749.	1.6	11
350	Fast protein analysis enabled by high-temperature hydrolysis. <i>Chemical Science</i> , 2020, 11, 10506-10516.	3.7	8
351	Comparison of Pteridine Normalization Methods in Urine for Detection of Bladder Cancer. <i>Diagnostics</i> , 2020, 10, 612.	1.3	3
352	Distance-based quantification of miRNA-21 by the coffee-ring effect using paper devices. <i>Mikrochimica Acta</i> , 2020, 187, 513.	2.5	18
353	A Review on Non-Invasive Biosensors for Early Detection of Lung Cancer. , 2020, , .		5
354	Zwitterionic Polydopamine Engineered Interface for In Vivo Sensing with High Biocompatibility. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23445-23449.	7.2	92
355	Polymer Dots for Precision Photothermal Therapy of Brain Tumors in the Second Near-Infrared Window: A Mini-Review. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4319-4330.	2.0	13
356	Advances in Exosome Analysis Methods with an Emphasis on Electrochemistry. <i>Analytical Chemistry</i> , 2020, 92, 12733-12740.	3.2	51
357	Phage-mediated double-nanobody sandwich immunoassay for detecting alpha fetal protein in human serum. <i>Analytical Methods</i> , 2020, 12, 4742-4748.	1.3	15
358	Circulating Melanoma-Derived Extracellular Vesicles: Impact on Melanoma Diagnosis, Progression Monitoring, and Treatment Response. <i>Pharmaceutics</i> , 2020, 13, 475.	1.7	13
359	Nanomaterials with Supramolecular Assembly Based on AIE Luminogens for Theranostic Applications. <i>Advanced Materials</i> , 2020, 32, e2004208.	11.1	143
360	Multivalued Logic Assay of the Disease Marker of α -Ketoglutaric Acid by a Luminescent MOF-Based Biosensor. <i>ACS Applied Bio Materials</i> , 2020, 3, 3792-3799.	2.3	14
361	Ancient genes can be served as pan-cancer diagnostic and prognostic biomarkers. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 6908-6915.	1.6	8
362	Equipment-free and visual detection of multiple biomarkers via an aggregation induced emission luminogen-based paper biosensor. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112336.	5.3	113
363	Multifunctional Supramolecular Assemblies with Aggregation-Induced Emission (AIE) for Cell Line Identification, Cell Contamination Evaluation, and Cancer Cell Discrimination. <i>ACS Nano</i> , 2020, 14, 7552-7563.	7.3	59
364	Smart Hydrogel Grating Immunosensors for Highly Selective and Sensitive Detection of Human-IgG. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 10469-10475.	1.8	14

#	ARTICLE	IF	CITATIONS
365	Loading and release of doxorubicin hydrochloride from iron(<i>iii</i>) trimesate MOF and zinc oxide nanoparticle composites. <i>Dalton Transactions</i> , 2020, 49, 8755-8763.	1.6	10
366	mRNA and microRNA selection for breast cancer molecular subtype stratification using meta-heuristic based algorithms. <i>Genomics</i> , 2020, 112, 3207-3217.	1.3	18
367	Carbon dots-based fluorescence resonance energy transfer for the prostate specific antigen (PSA) with high sensitivity. <i>Talanta</i> , 2020, 219, 121276.	2.9	36
368	Bioinformatic Identification of a Breast-Specific Transcript Profile. <i>Proteomics - Clinical Applications</i> , 2020, 14, 2000007.	0.8	2
369	Integrating CRISPR-Cas12a with a DNA circuit as a generic sensing platform for amplified detection of microRNA. <i>Chemical Science</i> , 2020, 11, 7362-7368.	3.7	169
370	Chemically Modified Aptamers in Biological Analysis. <i>ACS Applied Bio Materials</i> , 2020, 3, 2816-2826.	2.3	9
371	SEPT9_v2, frequently silenced by promoter hypermethylation, exerts anti-tumor functions through inactivation of Wnt/ β -catenin signaling pathway via miR92b-3p/FZD10 in nasopharyngeal carcinoma cells. <i>Clinical Epigenetics</i> , 2020, 12, 41.	1.8	5
372	Cellular AND Gates: Synergistic Recognition to Boost Selective Uptake of Polymeric Nanoassemblies. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10456-10460.	7.2	25
373	Antifouling Strategies for Selective <i>In Vitro</i> and <i>In Vivo</i> Sensing. <i>Chemical Reviews</i> , 2020, 120, 3852-3889.	23.0	325
374	Competitive aptasensor for the ultrasensitive multiplexed detection of cancer biomarkers by fluorescent nanoparticle counting. <i>Analyst</i> , 2020, 145, 3612-3619.	1.7	11
375	Cellular AND Gates: Synergistic Recognition to Boost Selective Uptake of Polymeric Nanoassemblies. <i>Angewandte Chemie</i> , 2020, 132, 10542-10546.	1.6	6
376	MicroRNA hsa-mir-3923 serves as a diagnostic and prognostic biomarker for gastric carcinoma. <i>Scientific Reports</i> , 2020, 10, 4672.	1.6	12
377	Gold Nanoparticles-based Bio-Sensing Methods for Tumor-related Biomedical Applications in Bodily Fluids. <i>Current Nanoscience</i> , 2020, 16, 425-440.	0.7	2
378	Graphene Quantum Dot-Based Nanocomposites for Diagnosing Cancer Biomarker APE1 in Living Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13634-13643.	4.0	58
379	Recent advance in biosensing applications based on two-dimensional transition metal oxide nanomaterials. <i>Talanta</i> , 2020, 219, 121308.	2.9	39
380	Lateral field excited quartz crystal microbalances for biosensing applications. <i>Biointerphases</i> , 2020, 15, 030801.	0.6	7
381	Recent advances in nanomaterial-enhanced biosensing methods for hepatocellular carcinoma diagnosis. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 130, 115965.	5.8	17
382	Electrochemiluminescent detection of hNQO1 and associated drug screening enabled by futile redox cycle reaction. <i>Sensors and Actuators B: Chemical</i> , 2020, 321, 128557.	4.0	6

#	ARTICLE	IF	CITATIONS
383	Probing the characteristics and biofunctional effects of disease-affected cells and drug response via machine learning applications. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 951-977.	5.1	7
384	Plasmon-Induced Photoreduction System Allows Ultrasensitive Detection of Disease Biomarkers by Silver-Mediated Immunoassay. <i>ACS Sensors</i> , 2020, 5, 2184-2190.	4.0	9
385	Chemical sensing platforms for detecting trace-level Alzheimer's core biomarkers. <i>Chemical Society Reviews</i> , 2020, 49, 5446-5472.	18.7	56
386	Effects of preparation on catalytic, magnetic and hybrid micromotors on their functional features and application in gastric cancer biomarker detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 310, 127843.	4.0	19
387	Urinary Exosomal MicroRNAs as Potential Non-invasive Biomarkers in Breast Cancer Detection. <i>Molecular Diagnosis and Therapy</i> , 2020, 24, 215-232.	1.6	53
388	Hierarchical Mo ₂ C@MoS ₂ nanorods as electrochemical sensors for highly sensitive detection of hydrogen peroxide and cancer cells. <i>Sensors and Actuators B: Chemical</i> , 2020, 311, 127863.	4.0	60
389	Lateral flow assays towards point-of-care cancer detection: A review of current progress and future trends. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 125, 115842.	5.8	138
390	Molecular-Imprinting-Based Surface-Enhanced Raman Scattering Sensors. <i>ACS Sensors</i> , 2020, 5, 601-619.	4.0	139
391	Highly sensitive and specific detection of tumor cells based on a split aptamer-triggered dual hybridization chain reaction. <i>Analyst</i> , The, 2020, 145, 2676-2681.	1.7	14
392	Simultaneous Detection of Multiple Tumor Markers in Blood by Functional Liquid Crystal Sensors Assisted with Target-Induced Dissociation of Aptamer. <i>Analytical Chemistry</i> , 2020, 92, 3867-3873.	3.2	77
393	DNA Tetrahedra-Cross-linked Hydrogel Functionalized Paper for Onsite Analysis of DNA Methyltransferase Activity Using a Personal Glucose Meter. <i>Analytical Chemistry</i> , 2020, 92, 4592-4599.	3.2	85
394	Design a fluorometric aptasensor based on CoOOH nanosheets and carbon dots for simultaneous detection of lysozyme and adenosine triphosphate. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 233, 118197.	2.0	30
395	“Apollo Program” in Nanoscale: Landing and Exploring Cell-Surface with DNA Nanotechnology. <i>ACS Applied Bio Materials</i> , 2020, 3, 2723-2742.	2.3	22
396	Gold nanoparticles enumeration with dark-field optical microscope for the sensitive glycoprotein sandwich assay. <i>Analytica Chimica Acta</i> , 2020, 1109, 53-60.	2.6	16
397	Target-activated transcription for the amplified sensing of protease biomarkers. <i>Chemical Science</i> , 2020, 11, 2993-2998.	3.7	16
398	Integrated Single Microbead-Arrayed 1/4-Fluidic Platform for the Automated Detection of Multiplexed Biomarkers. <i>ACS Sensors</i> , 2020, 5, 798-806.	4.0	7
399	An electrochemical thrombin aptasensor based on the use of graphite-like C ₃ N ₄ modified with silver nanoparticles. <i>Mikrochimica Acta</i> , 2020, 187, 163.	2.5	30
400	Self-Polymerized Dopamine-Decorated Au NPs and Coordinated with Fe-MOF as a Dual Binding Sites and Dual Signal-Amplifying Electrochemical Aptasensor for the Detection of CEA. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5500-5510.	4.0	130

#	ARTICLE	IF	CITATIONS
401	Nanoscale metal-organic frameworks in detecting cancer biomarkers. <i>Journal of Materials Chemistry B</i> , 2020, 8, 1338-1349.	2.9	47
402	Luminescence Turn-On Detection of Gossypol Using Ln ³⁺ -Based Metal-Organic Frameworks and Ln ³⁺ Salts. <i>Journal of the American Chemical Society</i> , 2020, 142, 2897-2904.	6.6	151
403	Drug Resistance Biomarkers and Their Clinical Applications in Childhood Acute Lymphoblastic Leukemia. <i>Frontiers in Oncology</i> , 2019, 9, 1496.	1.3	20
404	Potential Salivary mRNA Biomarkers for Early Detection of Oral Cancer. <i>Journal of Clinical Medicine</i> , 2020, 9, 243.	1.0	29
405	A high sensitive single luminophore ratiometric electrochemiluminescence immunosensor in combined with anodic stripping voltammetry. <i>Electrochimica Acta</i> , 2020, 336, 135725.	2.6	16
406	Ultrasensitive electrochemiluminescence biosensing platform for miRNA-21 and MUC1 detection based on dual catalytic hairpin assembly. <i>Analytica Chimica Acta</i> , 2020, 1105, 87-94.	2.6	35
407	Self-Powered Temperature Sensor with Seebeck Effect Transduction for Photothermal-Thermoelectric Coupled Immunoassay. <i>Analytical Chemistry</i> , 2020, 92, 2809-2814.	3.2	214
408	Aptamer-functionalized polydiacetylene liposomes act as a fluorescent sensor for sensitive detection of MUC1 and targeted imaging of cancer cells. <i>Sensors and Actuators B: Chemical</i> , 2020, 309, 127778.	4.0	39
409	Enzyme-free amplified SERS immunoassay for the ultrasensitive detection of disease biomarkers. <i>Chemical Communications</i> , 2020, 56, 2933-2936.	2.2	22
410	Bioinspired surfaces with wettability: biomolecule adhesion behaviors. <i>Biomaterials Science</i> , 2020, 8, 1502-1535.	2.6	89
411	Electroactive Cu ₂ O nanoparticles and Ag nanoparticles driven ratiometric electrochemical aptasensor for prostate specific antigen detection. <i>Sensors and Actuators B: Chemical</i> , 2020, 315, 128155.	4.0	36
412	Rapid and sensitive detection of prostate-specific antigen via label-free frequency shift Raman of sensing graphene. <i>Biosensors and Bioelectronics</i> , 2020, 158, 112184.	5.3	21
413	Enzyme-Like Properties of Gold Clusters for Biomedical Application. <i>Frontiers in Chemistry</i> , 2020, 8, 219.	1.8	40
414	Surface functionalization strategies of extracellular vesicles. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4552-4569.	2.9	57
415	The Role of Exosomal microRNA in Cancer Drug Resistance. <i>Frontiers in Oncology</i> , 2020, 10, 472.	1.3	36
416	A PNA-DNA ₂ Triple-Helix Molecular Switch-Based Colorimetric Sensor for Sensitive and Specific Detection of microRNAs from Cancer Cells. <i>ChemBioChem</i> , 2020, 21, 2667-2675.	1.3	6
417	Gold nanoparticle/MXene for multiple and sensitive detection of oncomiRs based on synergetic signal amplification. <i>Biosensors and Bioelectronics</i> , 2020, 159, 112208.	5.3	95
418	Electrochemical Biosensors Capable of Detecting Biomarkers in Human Serum with Unique Long-Term Antifouling Abilities Based on Designed Multifunctional Peptides. <i>Analytical Chemistry</i> , 2020, 92, 7186-7193.	3.2	73

#	ARTICLE	IF	CITATIONS
419	Pattern-recognition-based Sensor Arrays for Cell Characterization: From Materials and Data Analyses to Biomedical Applications. <i>Analytical Sciences</i> , 2020, 36, 923-934.	0.8	12
420	Establishment of a universal and sensitive plasmonic biosensor platform based on the hybridization chain reaction (HCR) amplification induced by a triple-helix molecular switch. <i>Analyst, The</i> , 2020, 145, 3864-3870.	1.7	5
421	A CRISPR-driven colorimetric code platform for highly accurate telomerase activity assay. <i>Biosensors and Bioelectronics</i> , 2021, 172, 112749.	5.3	44
422	Double Stopband Bilayer Photonic Crystal Based Upconversion Fluorescence PSA Sensor. <i>Sensors and Actuators B: Chemical</i> , 2021, 326, 128816.	4.0	26
423	Recent advances in graphene-based nanobiosensors for salivary biomarker detection. <i>Biosensors and Bioelectronics</i> , 2021, 171, 112723.	5.3	51
424	Aptamer Generated by Cell-SELEX for Specific Targeting of Human Glioma Cells. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 9306-9315.	4.0	30
425	Biosensors based on DNA logic gates. <i>View</i> , 2021, 2, 20200038.	2.7	20
426	Small molecule-based bioluminescence and chemiluminescence probes for sensing and imaging of reactive species. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 134, 116129.	5.8	22
427	A hairpin-mediated nicking enzymatic signal amplification for nucleic acids detection. <i>Talanta</i> , 2021, 225, 121991.	2.9	8
428	A sensitive spectrophotometric ellipsometry based Aptasensor for the vascular endothelial growth factor detection. <i>Talanta</i> , 2021, 225, 121982.	2.9	4
429	Tricolor imaging of MMPs to investigate the promoting roles of inflammation on invasion and migration of tumor cells. <i>Talanta</i> , 2021, 222, 121525.	2.9	13
430	Re-engineering of peptides with high binding affinity to develop an advanced electrochemical sensor for colon cancer diagnosis. <i>Analytica Chimica Acta</i> , 2021, 1146, 131-139.	2.6	12
431	Recent Applications of Carbon Nanomaterials for microRNA Electrochemical Sensing. <i>Chemistry - an Asian Journal</i> , 2021, 16, 114-128.	1.7	18
432	Nucleic Acids Analysis. <i>Science China Chemistry</i> , 2021, 64, 171-203.	4.2	88
433	Hyperspectral imaging-based exosome microarray for rapid molecular profiling of extracellular vesicles. <i>Lab on A Chip</i> , 2021, 21, 196-204.	3.1	11
434	Multifunctional microfluidic chip for cancer diagnosis and treatment. <i>Nanotheranostics</i> , 2021, 5, 73-89.	2.7	38
435	Composable Microfluidic Plates (cPlate): A Simple and Scalable Fluid Manipulation System for Multiplexed Enzyme-Linked Immunosorbent Assay (ELISA). <i>Analytical Chemistry</i> , 2021, 93, 1489-1497.	3.2	23
436	Recent advances in nanomaterials for colorimetric cancer detection. <i>Journal of Materials Chemistry B</i> , 2021, 9, 921-938.	2.9	58

#	ARTICLE	IF	CITATIONS
437	Target-triggered regioselective assembly of nanoprobcs for Raman imaging of dual cancer biomarkers in living cells. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129319.	4.0	11
438	Au doped poly-thionine and poly-m-Cresol purple: Synthesis and their application in simultaneously electrochemical detection of two lung cancer markers CEA and CYFRA21-1. <i>Talanta</i> , 2021, 224, 121816.	2.9	39
439	Anti-fouling poly adenine coating combined with highly specific CD20 epitope mimetic peptide for rituximab detection in clinical patients' plasma. <i>Biosensors and Bioelectronics</i> , 2021, 171, 112678.	5.3	18
440	Smart microfluidic analogue of Wheatstone-bridge for real-time continuous detection with ultrasensitivity and wide dynamic range. <i>Chemical Engineering Journal</i> , 2021, 407, 127138.	6.6	12
441	Bioinspired superwetting surfaces for biosensing. <i>View</i> , 2021, 2, 20200053.	2.7	33
442	<i>In situ</i> Analysis of Cancer Cells Based on DNA Signal Amplification and DNA Nanodevices. <i>Critical Reviews in Analytical Chemistry</i> , 2021, 51, 8-19.	1.8	5
443	Raman spectroscopy/SERS based immunoassays for cancer diagnostics. , 2021, , 107-124.		1
444	Fluorescent detection of target proteins via a molecularly imprinted hydrogel. <i>Analytical Methods</i> , 2021, 13, 3086-3091.	1.3	4
445	Ultrasensitive Point-of-Care Test for Tumor Marker in Human Saliva Based on Luminescence Amplification Strategy of Lanthanide Nanoprobcs. <i>Advanced Science</i> , 2021, 8, 2002657.	5.6	20
446	Self-assembled magnetic nanomaterials: Versatile theranostics nanoplatforms for cancer. <i>Aggregate</i> , 2021, 2, e18.	5.2	16
447	Programming DNA cascade circuits on live cell membranes for accurate cancer cell recognition and gene silencing. <i>Chemical Communications</i> , 2021, 57, 3816-3819.	2.2	5
448	Fluorescence Signal Enhancement in Antibody Microarrays Using Lightguiding Nanowires. <i>Nanomaterials</i> , 2021, 11, 227.	1.9	8
449	Electrochemical detection: Cyclic voltammetry/differential pulse voltammetry/impedance spectroscopy. , 2021, , 43-71.		7
450	Lanthanide upconversion and downshifting luminescence for biomolecules detection. <i>Nanoscale Horizons</i> , 2021, 6, 766-780.	4.1	50
451	Peptide and protein assays using customizable bio-affinity arrays combined with ambient ionization mass spectrometry. <i>Chemical Science</i> , 2021, 12, 10810-10816.	3.7	5
452	Targeting the RNA demethylase FTO for cancer therapy. <i>RSC Chemical Biology</i> , 2021, 2, 1352-1369.	2.0	26
453	Exploring biomarkers and diagnostics system for cancer management. , 2021, , 35-41.		1
454	A Label-Free and Anti-Interference Dual-Channel SPR Fiber Optic Sensor With Self-Compensation for Biomarker Detection. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-7.	2.4	17

#	ARTICLE	IF	CITATIONS
455	Noninvasive Cancer Diagnosis <i>In Vivo</i> Based on a Viscosity-Activated Near-Infrared Fluorescent Probe. <i>Analytical Chemistry</i> , 2021, 93, 2072-2081.	3.2	64
456	Molecularly imprinted materials for biomedical sensing. <i>Medical Devices & Sensors</i> , 2021, 4, e10166.	2.7	12
457	Tailor-Made Nanomaterials for Diagnosis and Therapy of Pancreatic Ductal Adenocarcinoma. <i>Advanced Science</i> , 2021, 8, 2002545.	5.6	22
458	Advanced nanomaterials as sample technique for bio-analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 135, 116168.	5.8	70
459	A Portable Microfluidic System for Point-of-Care Detection of Multiple Protein Biomarkers. <i>Micromachines</i> , 2021, 12, 347.	1.4	8
460	Cas12a-based electrochemiluminescence biosensor for target amplification-free DNA detection. <i>Biosensors and Bioelectronics</i> , 2021, 176, 112954.	5.3	84
461	Applications of nanomaterials in ambient ionization mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 136, 116202.	5.8	14
462	Simple Approach for Fluorescence Signal Amplification Utilizing a Poly(vinyl alcohol)-Based Polymer Structure in a Microchannel. <i>ACS Omega</i> , 2021, 6, 8340-8345.	1.6	2
463	Fascin actin-bundling protein 1 in human cancer: Promising biomarker or therapeutic target?. <i>Molecular Therapy - Oncolytics</i> , 2021, 20, 240-264.	2.0	45
464	Naked-eye detection of specific DNA sequences amplified by the polymerase chain reaction with nanocomposite beads. <i>Analytical Biochemistry</i> , 2021, 617, 114114.	1.1	1
465	Bilirubin oxidase labeling triggers an efficient signaling mechanism of oxygen reduction reaction for smart photocathodic immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2021, 330, 129331.	4.0	5
466	Point-of-care cancer diagnostic devices: From academic research to clinical translation. <i>Talanta</i> , 2021, 225, 122002.	2.9	52
467	Low fouling electrochemical biosensors based on designed Y-shaped peptides with antifouling and recognizing branches for the detection of IgG in human serum. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113016.	5.3	53
468	Construction of liver hepatocellular carcinoma-specific lncRNA-miRNA-mRNA network based on bioinformatics analysis. <i>PLoS ONE</i> , 2021, 16, e0249881.	1.1	4
469	A pH-Activatable MnCO ₃ Nanoparticle for Improved Magnetic Resonance Imaging of Tumor Malignancy and Metastasis. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 18462-18471.	4.0	16
470	Multiplexing Liquid Biopsy with Surface-Enhanced Raman Scattering Spectroscopy. <i>Advanced Optical Materials</i> , 2021, 9, 2001171.	3.6	17
471	Recent advances in point-of-care diagnostics for oral cancer. <i>Biosensors and Bioelectronics</i> , 2021, 178, 112995.	5.3	20
472	State-of-the-art progress of switch fluorescence biosensors based on metal-organic frameworks and nucleic acids. <i>Mikrochimica Acta</i> , 2021, 188, 168.	2.5	21

#	ARTICLE	IF	CITATIONS
473	Photoelectrochemical Cytosensors. <i>Electroanalysis</i> , 2022, 34, 947-955.	1.5	5
474	Metal Cluster-Based Electrochemical Biosensing System for Detecting Epithelial-to-Mesenchymal Transition. <i>ACS Sensors</i> , 2021, 6, 2290-2298.	4.0	7
475	Analytical design of multi-threshold and high fan-in DNA-based logical sensors to profile the pattern of MS microRNAs. <i>Biomedical Engineering Letters</i> , 2021, 11, 131-145.	2.1	1
476	Antifouling Peptide Hydrogel Based Electrochemical Biosensors for Highly Sensitive Detection of Cancer Biomarker HER2 in Human Serum. <i>Analytical Chemistry</i> , 2021, 93, 7355-7361.	3.2	70
477	LINC00261: a burgeoning long noncoding RNA related to cancer. <i>Cancer Cell International</i> , 2021, 21, 274.	1.8	14
478	Cell detachment ratio on pH-responsive chitosan: A useful biometric for prognostic judgment and drug efficacy assessment in oncology. <i>Carbohydrate Polymers</i> , 2021, 261, 117911.	5.1	2
479	Fluorometric Detection of Streptavidin with a Cationic Conjugated Polymer and Hairpin DNA Probe. <i>ChemistrySelect</i> , 2021, 6, 5248-5253.	0.7	1
480	Activation of catalytic DNAzyme by binding-induced DNA displacement for homogeneous assay. <i>Luminescence</i> , 2021, 36, 1498-1506.	1.5	2
481	A critical review on multifunctional smart materials –nanographene–™ emerging avenue: nano-imaging and biosensor applications. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2022, 47, 691-707.	6.8	73
482	EZcount: An all-in-one software for microRNA expression quantification from NGS sequencing data. <i>Computers in Biology and Medicine</i> , 2021, 133, 104352.	3.9	4
483	Assessment of reliability and validity of the 5-scale grading system of the point-of-care immunoassay for tear matrix metalloproteinase-9. <i>Scientific Reports</i> , 2021, 11, 12394.	1.6	11
484	Smart Biosensors for Cancer Diagnosis Based on Graphene Quantum Dots. <i>Cancers</i> , 2021, 13, 3194.	1.7	39
485	A Novel Fluorescent Probe for Hydrogen Peroxide and Its Application in Bio-Imaging. <i>Molecules</i> , 2021, 26, 3352.	1.7	15
486	A Model-free Variable Screening Method Based on Leverage Score. <i>Journal of the American Statistical Association</i> , 2023, 118, 135-146.	1.8	2
487	Silver-Assembled Silica Nanoparticles in Lateral Flow Immunoassay for Visual Inspection of Prostate-Specific Antigen. <i>Sensors</i> , 2021, 21, 4099.	2.1	11
488	Electrogenerated chemiluminescence method for sensitive detection of hydroxylated double-stranded DNA through multifunctional polyadenine probe and hybridization chain reaction. <i>Sensors and Actuators B: Chemical</i> , 2021, 336, 129722.	4.0	5
489	Recent Advances in Sensing Applications of Molecularly Imprinted Photonic Crystals. <i>Frontiers in Chemistry</i> , 2021, 9, 665119.	1.8	12
490	Can combination of CEA, CA 19-9, and CA242 improve diagnostic sensitivity and diagnostic value for colorectal cancer: A Meta-analysis. <i>World Chinese Journal of Digestology</i> , 2021, 29, 825-834.	0.0	0

#	ARTICLE	IF	CITATIONS
491	Facile Functionalization Strategy for Ultrasensitive Organic Protein Biochips in Multi-Biomarker Determination. <i>Analytical Chemistry</i> , 2021, 93, 11305-11311.	3.2	12
492	A Novel Electrochemical Aptasensor for the Ultrasensitive Detection of Adenosine Triphosphate Based on DNA-Templated Copolymers. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 35561-35567.	4.0	10
493	Relationship between diagnostic accuracy of microRNAs for NSCLC and number of combined microRNAs: an overview with meta-analysis. <i>Expert Review of Molecular Diagnostics</i> , 2021, 21, 983-993.	1.5	3
494	Rapid Capture of Cancer Extracellular Vesicles by Lipid Patch Microarrays. <i>Advanced Materials</i> , 2021, 33, e2008493.	11.1	43
495	Catalytic Clusterbody for Enhanced Quantitative Protein Immunoblot. <i>Analytical Chemistry</i> , 2021, 93, 10807-10815.	3.2	10
496	Optical-Based Biosensors and Their Portable Healthcare Devices for Detecting and Monitoring Biomarkers in Body Fluids. <i>Diagnostics</i> , 2021, 11, 1285.	1.3	12
497	MicroRNA-382-5p inhibits osteosarcoma development and progression by negatively regulating VEGF1 expression. <i>Oncology Letters</i> , 2021, 22, 752.	0.8	4
498	Identification of odor biomarkers in irradiation injury urine based on headspace SPME-GC-MS. <i>International Journal of Radiation Biology</i> , 2021, 97, 1-9.	1.0	0
499	CRISPR/Cas-Based In Vitro Diagnostic Platforms for Cancer Biomarker Detection. <i>Analytical Chemistry</i> , 2021, 93, 11899-11909.	3.2	54
500	Fluorescent Azasteroids through Ultrasound Assisted Cycloaddition Reactions. <i>Molecules</i> , 2021, 26, 5098.	1.7	6
501	Optical "Magnetic probe for evaluating cancer therapy. <i>Coordination Chemistry Reviews</i> , 2021, 441, 213978.	9.5	15
503	Internal and External Combined-Nonradiative Decay-Based Nanoagents for Photoacoustic Image-Guided Highly Efficient Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 46353-46360.	4.0	16
504	A comprehensive overview of common conducting polymer-based nanocomposites; Recent advances in design and applications. <i>European Polymer Journal</i> , 2021, 160, 110773.	2.6	31
505	Recent Strategies to Develop Innovative Photosensitizers for Enhanced Photodynamic Therapy. <i>Chemical Reviews</i> , 2021, 121, 13454-13619.	23.0	657
506	Progress and challenges in biomarker enrichment for cancer early detection. <i>Progress in Biomedical Engineering</i> , 2021, 3, 043001.	2.8	6
507	Editorial: Big Data and Machine Learning in Cancer Genomics. <i>Frontiers in Genetics</i> , 2021, 12, 749584.	1.1	2
508	One-pot colorimetric detection of molecules based on proximity proteolysis reaction. <i>Biosensors and Bioelectronics</i> , 2021, 188, 113349.	5.3	5
509	An antifouling electrochemical aptasensor based on poly (glutamic acid) and peptide for the sensitive detection of adenosine triphosphate. <i>Microchemical Journal</i> , 2021, 168, 106365.	2.3	3

#	ARTICLE	IF	CITATIONS
510	Cell Coding Arrays Based on Fluorescent Glycan Nanoparticles for Cell Line Identification and Cell Contamination Evaluation. ACS Applied Materials & Interfaces, 2021, 13, 44054-44064.	4.0	4
511	A Pilot Study of miRNA Expression Profile as a Liquid Biopsy for Full-Marathon Participants. Sports, 2021, 9, 134.	0.7	4
512	Metabolome and exposome profiling of the biospecimens from COVID-19 patients in India. Zhurnal Mikrobiologii Epidemiologii I Immunobiologii, 2021, 98, 397-415.	0.3	1
513	Early detection of kidney cancer using urinary proteins: a truly non-invasive strategy. BJU International, 2022, 129, 290-303.	1.3	11
514	Upregulation of the APOBEC3 Family Is Associated with a Poor Prognosis and Influences Treatment Response to Raf Inhibitors in Low Grade Glioma. International Journal of Molecular Sciences, 2021, 22, 10390.	1.8	4
515	Applications of scaffold-based advanced materials in biomedical sensing. TrAC - Trends in Analytical Chemistry, 2021, 143, 116342.	5.8	11
516	Genetic Circuit Design Principles. , 2022, , 339-381.		0
517	Detection of exosomes via an electrochemical biosensor based on C60-Au-Tb composite. Microchemical Journal, 2021, 170, 106772.	2.3	13
518	Quantitative principal component analysis of multiple metal ions with lanthanide coordination polymer networks. Sensors and Actuators B: Chemical, 2021, 346, 130469.	4.0	10
519	Development of H ₂ S and HClO dual-responsive fluorescent probe for cancer recognition. Dyes and Pigments, 2021, 195, 109666.	2.0	27
520	Ethylenediamine grafted carbon nanotube aerogels modified screen-printed electrode for simultaneous electrochemical immunoassay of multiple tumor markers. Journal of Electroanalytical Chemistry, 2021, 900, 115700.	1.9	10
521	SERS-based copper-mediated signal amplification strategy for simple and sensitive detection of telomerase activity. Talanta, 2021, 235, 122814.	2.9	5
522	Expression and clinical significance of UBE2V1 in cervical cancer. Biochemistry and Biophysics Reports, 2021, 28, 101108.	0.7	1
523	Biosensor-based early diagnosis of gastric cancer. , 2022, , 257-269.		1
524	DNA nanolantern-mediated catalytic hairpin assembly nanoamplifiers for simultaneous detection of multiple microRNAs. Talanta, 2022, 236, 122846.	2.9	17
525	NIR-II cell endocytosis-activated fluorescent probes for <i>in vivo</i> high-contrast bioimaging diagnostics. Chemical Science, 2021, 12, 10474-10482.	3.7	32
526	In Vivo Imaging of the Macrophage Migration Inhibitory Factor in Liver Cancer with an Activity-Based Probe. Analytical Chemistry, 2021, 93, 2152-2159.	3.2	6
527	Role of Multiomics Data to Understand Host-Pathogen Interactions in COVID-19 Pathogenesis. Journal of Proteome Research, 2021, 20, 1107-1132.	1.8	24

#	ARTICLE	IF	CITATIONS
528	Label-free Selective Detection of Protein Markers in the Picomolar Range via a Convenient Voltammetric Sensing Strategy. <i>Electroanalysis</i> , 2021, 33, 563-567.	1.5	10
529	Bioapplications Manipulated by AIEgens with Nonlinear Optical Effect. <i>Chemical Research in Chinese Universities</i> , 2021, 37, 25-37.	1.3	6
530	A pan-cancer analysis revealed the role of the SLC16 family in cancer. <i>Channels</i> , 2021, 15, 528-540.	1.5	18
531	Advances in Protein Biomarker Assay via the Combination of Molecular Imprinting and Surface-enhanced Raman Scattering. <i>Acta Chimica Sinica</i> , 2021, 79, 45.	0.5	3
532	Electrospun Nanofibers for Cancer Therapy. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1295, 163-190.	0.8	10
533	OMICs Profiling of Cancer Cells. <i>Pancreatic Islet Biology</i> , 2019, , 141-157.	0.1	2
534	Nanofiber-integrated miniaturized systems: an intelligent platform for cancer diagnosis. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4251-4264.	1.9	16
535	Amperometric immunoassay for the tumor marker neuron-specific enolase using a glassy carbon electrode modified with a nanocomposite consisting of polyresorcinol and of gold and platinum nanoparticles. <i>Mikrochimica Acta</i> , 2017, 184, 3247-3253.	2.5	16
536	Coupling of proteolysis-triggered transcription and CRISPR-Cas12a for ultrasensitive protease detection. <i>Science China Chemistry</i> , 2021, 64, 330-336.	4.2	18
537	Designed antifouling peptides planted in conducting polymers through controlled partial doping for electrochemical detection of biomarkers in human serum. <i>Biosensors and Bioelectronics</i> , 2020, 164, 112317.	5.3	58
538	Recent advances in optical biosensors for the detection of cancer biomarker α -fetoprotein (AFP). <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 128, 115920.	5.8	51
539	Laser-emission imaging of nuclear biomarkers for high-contrast cancer screening and immunodiagnosis. <i>Nature Biomedical Engineering</i> , 2017, 1, 724-735.	11.6	89
540	Investigation of a common gene expression signature in gastrointestinal cancers using systems biology approaches. <i>Molecular BioSystems</i> , 2017, 13, 2277-2288.	2.9	4
541	A sensitive and innovative detection method for rapid C-reactive proteins analysis based on a micro-fluxgate sensor system. <i>PLoS ONE</i> , 2018, 13, e0194631.	1.1	16
542	Metal nanoparticles-based nanoplatfoms for colorimetric sensing: A review. <i>Reviews in Analytical Chemistry</i> , 2020, 40, 1-11.	1.5	40
543	Anti-CD24 bio Modified PEGylated Gold Nanoparticles as Targeted Computed Tomography Contrast Agent. <i>Advanced Pharmaceutical Bulletin</i> , 2018, 8, 599-607.	0.6	9
544	A poor prognosis in human hepatocellular carcinoma is associated with low expression of DPP4. <i>Brazilian Journal of Medical and Biological Research</i> , 2020, 53, e9114.	0.7	5
545	The clinical role of microRNA-21 as a promising biomarker in the diagnosis and prognosis of colorectal cancer: a systematic review and meta-analysis. <i>Oncotarget</i> , 2017, 8, 44893-44909.	0.8	82

#	ARTICLE	IF	CITATIONS
546	Identification of potential tissue-specific cancer biomarkers and development of cancer versus normal genomic classifiers. <i>Oncotarget</i> , 2017, 8, 85692-85715.	0.8	18
547	<p>Serum Tumor Markers for Early Diagnosis of Primary Hepatocellular Carcinoma</p>. <i>Journal of Hepatocellular Carcinoma</i> , 2020, Volume 7, 413-422.	1.8	23
548	Biomarkers, Biosensors and Biomedicine. <i>Current Medicinal Chemistry</i> , 2020, 27, 3519-3533.	1.2	9
549	Natural-based Hydrogels: A Journey from Simple to Smart Networks for Medical Examination. <i>Current Medicinal Chemistry</i> , 2020, 27, 2704-2733.	1.2	13
550	Nanonetworks in Biomedical Applications. <i>Current Drug Targets</i> , 2019, 20, 800-807.	1.0	18
551	Gene Combination of CD44 rs187116, CD133 rs2240688, NF- κ B1 rs28362491 and GSTM1 Deletion as a Potential Biomarker in Risk Prediction of Breast Cancer in Lower Northern Thailand. <i>Asian Pacific Journal of Cancer Prevention</i> , 2019, 20, 2493-2502.	0.5	8
552	Uncovering the Magnetic Particle Imaging and Magnetic Resonance Imaging Features of Iron Oxide Nanocube Clusters. <i>Nanomaterials</i> , 2021, 11, 62.	1.9	17
553	Terahertz Imaging and Spectroscopy in Cancer Diagnostics: A Technical Review. <i>BME Frontiers</i> , 2020, 2020, .	2.2	63
554	Multistaining Optimization for Epstein-Barr Virus-Encoded RNA In Situ Hybridization and Immunohistochemistry of Formalin-Fixed Paraffin-Embedded Tissues Using an Automated Immunostainer. <i>Journal of Pathology and Translational Medicine</i> , 2019, 53, 317-326.	0.4	5
555	Attomolar analyte sensing techniques (AttoSens): a review on a decade of progress on chemical and biosensing nanoplatforms. <i>Chemical Society Reviews</i> , 2021, 50, 13012-13089.	18.7	25
556	Highly sensitive light-up near-infrared fluorescent probe for detection and imaging of β -glucuronidase in human serum, living cells and tumor-bearing mice. <i>Science China Materials</i> , 2022, 65, 836-844.	3.5	6
557	Multiwall carbon nanotubes: A review on synthesis and applications. <i>Nanoscience and Nanotechnology - Asia</i> , 2021, 11, .	0.3	0
558	Focalization Performance Study of a Novel Bulk Acoustic Wave Device. <i>Nanomaterials</i> , 2021, 11, 2630.	1.9	2
559	Developing a highly-sensitive aptasensor based on surface energy transfer between InP/ZnS quantum dots and Ag-nanoplates for the determination of insulin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 423, 113601.	2.0	2
560	Enhanced Plasmonic Biosensor Utilizing Paired Antibody and Label-Free Fe ₃ O ₄ Nanoparticles for Highly Sensitive and Selective Detection of Parkinson's α -Synuclein in Serum. <i>Biosensors</i> , 2021, 11, 402.	2.3	12
561	Circulating Molecular and Cellular Biomarkers in Cancer. , 0, , 607-656.		1
562	Molecular Event Detection. , 2018, , 1-5.		0
564	Interconnecting wearable devices with nano-biosensing implants through optical wireless communications. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
565	Stochastic noise model for intra-body terahertz nanoscale communication. , 2018, , .		2
566	HeLa cell culture: Henrietta Lacks immortal heritage. Molekuliarnaia Genetika, Mikrobiologii i Virusologii, 2019, 37, 151.	0.1	1
567	Genetic Circuit Design Principles. , 2020, , 1-44.		0
568	An Accelerated Computational Approach in Proteomics. Series in Bioengineering, 2020, , 389-432.	0.3	1
569	Molecular Event Detection. , 2020, , 925-929.		0
570	Development of Liquid Handling Technology for Single Blood Drop Analysis. Bunseki Kagaku, 2020, 69, 299-304.	0.1	0
571	Regulatory mechanism of tumor suppressor gene miR-302b in malignant tumors. World Chinese Journal of Digestology, 2020, 28, 570-580.	0.0	0
572	Engineered aptamer for the analysis of cells. TrAC - Trends in Analytical Chemistry, 2021, 145, 116456.	5.8	17
573	Fabricated Metal-Organic Frameworks (MOFs) as luminescent and electrochemical biosensors for cancer biomarkers detection. Biosensors and Bioelectronics, 2022, 197, 113738.	5.3	60
574	Identification of a non-planar imidazole-cored small molecule for selective telomeric G4 DNA targeting. Dyes and Pigments, 2022, 197, 109901.	2.0	1
575	Nanonetworks. , 2020, , 955-955.		0
576	Systems Biology Approach for Early Prognosis of Gastrointestinal Cancer. Diagnostics and Therapeutic Advances in GI Malignancies, 2020, , 221-231.	0.2	0
577	POCT for Nucleic Acids by Using Colorimetric Nanoprobes. RSC Detection Science, 2020, , 279-302.	0.0	0
578	RNA secondary structured logic gates for profiling the microRNA cancer biomarkers. IET Nanobiotechnology, 2020, 14, 181-190.	1.9	0
580	A crucial role for the long non-coding RNA in the pathogenesis of human cancers. American Journal of Translational Research (discontinued), 2021, 13, 10922-10932.	0.0	0
581	Combination of ultrashort PCR and <i>Pyrococcus furiosus</i> Argonaute for DNA detection. Analyst, The, 2021, 147, 35-39.	1.7	13
582	Disposable biosensor based on novel ternary Ru-PEI@PCN-333(Al) self-enhanced electrochemiluminescence system for on-site determination of caspase-3 activity. Talanta, 2022, 239, 123083.	2.9	9
583	Chirp Spread Spectrum Modulation for Intrabody Nanoscale Communication and Sensing. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
584	An abiotic fluorescent probe for the detection and quantification of carcinoembryonic antigen. <i>Bioorganic Chemistry</i> , 2022, 119, 105490.	2.0	10
585	Novel Methylation Biomarkers for Colorectal Cancer Prognosis. <i>Biomolecules</i> , 2021, 11, 1722.	1.8	21
586	Crosstalk between circRNAs and the PI3K/AKT signaling pathway in cancer progression. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 400.	7.1	86
587	Tuning Intermolecular Interaction of Peptide-Conjugated AIEgen in Nano-Confined Space for Quantitative Detection of Tumor Marker Secreted from Cells. <i>Analytical Chemistry</i> , 2021, 93, 16257-16263.	3.2	19
588	Microfluidic-Chip-Integrated Biosensors for Lung Disease Models. <i>Biosensors</i> , 2021, 11, 456.	2.3	18
589	Near-Infrared Multilayer MoS ₂ Photoconductivity-Enabled Ultrasensitive Homogeneous Plasmonic Colorimetric Biosensing. <i>Advanced Materials Interfaces</i> , 2021, 8, .	1.9	3
590	Electrochemical Biosensors for the Analysis of Breast Cancer Biomarkers: From Design to Application. <i>Analytical Chemistry</i> , 2022, 94, 269-296.	3.2	51
591	Chapter 4. Diagnostic and Theranostic Applications of Inorganic Materials. <i>Inorganic Materials Series</i> , 2021, , 194-241.	0.5	0
592	Self-powered anti-interference photoelectrochemical immunosensor based on Au/ZIS/CIS heterojunction photocathode with zwitterionic peptide anchoring. <i>Chinese Chemical Letters</i> , 2022, 33, 4750-4755.	4.8	17
593	Review—Synthesis and Electrochemical Applications of Molybdenum Carbide: Recent Progress and Perspectives. <i>Journal of the Electrochemical Society</i> , 2022, 169, 016511.	1.3	31
594	Colorimetric immunosensor constructed using 2D metal-organic framework nanosheets as enzyme mimics for the detection of protein biomarkers. <i>Journal of Materials Chemistry B</i> , 2022, 10, 450-455.	2.9	23
595	Emerging biosensing and transducing techniques for potential applications in point-of-care diagnostics. <i>Chemical Science</i> , 2022, 13, 2857-2876.	3.7	36
596	A gold nanoparticle-dye/poly(3-aminobenzylamine)/two dimensional MoSe ₂ /graphene oxide electrode towards label-free electrochemical biosensor for simultaneous dual-mode detection of cancer antigen 15-3 and microRNA-21. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 210, 112260.	2.5	38
597	A DNA tetrahedron docking assembly for imaging telomerase activity in cancerous cells. <i>Analytica Chimica Acta</i> , 2022, 1193, 339395.	2.6	5
598	Plasmonic biosensor for the highly sensitive detection of microRNA-21 via the chemical etching of gold nanorods under a dark-field microscope. <i>Biosensors and Bioelectronics</i> , 2022, 201, 113942.	5.3	13
599	Metal Nanocomposites Based Electrochemical Sensor Platform for Few Emerging Biomarkers. <i>Current Analytical Chemistry</i> , 2022, 18, 509-517.	0.6	3
600	A Versatile Platform for Sensitive and Label-Free Identification of Biomarkers through an Exo-III-Assisted Cascade Signal Amplification Strategy. <i>Analytical Chemistry</i> , 2022, 94, 2298-2304.	3.2	12
601	Visible-light and near-infrared fluorescence and surface-enhanced Raman scattering point-of-care sensing and bio-imaging: a review. <i>Chemical Society Reviews</i> , 2022, 51, 329-375.	18.7	104

#	ARTICLE	IF	CITATIONS
602	Carbon nanomaterials-based electrochemical cancer biomarkers biosensors. , 2022, , 225-253.		1
603	Upconversion-luminescent nanomaterials for biomedical applications. , 2022, , 337-374.		0
604	DNA Nanotweezers for Biosensing Applications: Recent Advances and Future Prospects. ACS Sensors, 2022, 7, 3-20.	4.0	14
605	A Review on Electrochemical Sensing of Cancer Biomarkers Based on Nanomaterial - Modified Systems. Current Analytical Chemistry, 2022, 18, 63-78.	0.6	5
606	Facilitating In Situ Tumor Imaging with a Tetrahedral DNA Frameworkâ€Enhanced Hybridization Chain Reaction Probe. Advanced Functional Materials, 2022, 32, .	7.8	93
607	Molecularly imprinted monoliths: Recent advances in the selective recognition of biomacromolecules related biomarkers. Journal of Separation Science, 2022, 45, 1469-1481.	1.3	4
608	An aptamer-tethered DNA origami amplifier for sensitive and accurate imaging of intracellular microRNA. Nanoscale, 2022, 14, 1327-1332.	2.8	10
609	Role of Long Non-Coding RNA LINC00641 in Cancer. Frontiers in Oncology, 2021, 11, 829137.	1.3	6
610	Nanoporous Substrates with Molecular-Level Perfluoroalkyl/Alkylamide Surface for Laser Desorption/Ionization Mass Spectrometry of Small Proteins. ACS Applied Materials & Interfaces, 2022, 14, 3716-3725.	4.0	5
611	Plasmonic porous ceramics based on zirconia-toughened alumina functionalized with silver nanoparticles for surface-enhanced Raman scattering. Open Ceramics, 2022, 9, 100228.	1.0	3
612	Clinical and Biological Significance of DNA Methylation-Driven Differentially Expressed Genes in Biochemical Recurrence After Radical Prostatectomy. Frontiers in Genetics, 2022, 13, 727307.	1.1	2
613	Bioinspired three-dimensional hierarchical micro/nano-structured microdevice for enhanced capture and effective release of circulating tumor cells. Chemical Engineering Journal, 2022, 435, 134762.	6.6	12
614	On-Cell Catalytic Detection of Epithelial-to-Mesenchymal Transition by a Clusterzyme Bioprobe. Analytical Chemistry, 2022, 94, 3023-3028.	3.2	4
615	Photoanode-supported cathodic immunosensor for sensitive and specific detection of human chorionic gonadotropin. Analytica Chimica Acta, 2022, 1199, 339560.	2.6	7
616	Functional Dna-Peptide Conjugates with Enhanced Antifouling Capabilities for Electrochemical Detection of Proteins in Complex Human Serum. SSRN Electronic Journal, 0, , .	0.4	0
617	Establishing a quantitative fluorescence assay for the rapid detection of kynurenine in urine. Analyst, The, 2022, 147, 1931-1936.	1.7	4
618	Antifouling Peptides Combined with Recognizing DNA Probes for Ultralow Fouling Electrochemical Detection of Cancer Biomarkers in Human Bodily Fluids. SSRN Electronic Journal, 0, , .	0.4	0
619	Publication Bias in Precision Oncology and Cancer Biomarker Research; Challenges and Possible Implications. Human Perspectives in Health Sciences and Technology, 2022, , 155-174.	0.2	1

#	ARTICLE	IF	CITATIONS
620	Aptamers and New Bioreceptors for the Electrochemical Detection of Biomarkers Expressed in Hepatocellular Carcinoma. <i>Current Medicinal Chemistry</i> , 2022, 29, 4363-4390.	1.2	2
621	Pan-cancer analysis revealed the significance of the GTPBP family in cancer. <i>Aging</i> , 2022, 14, 2558-2573.	1.4	2
622	The Emerging Roles of LINC00665 in Human Cancers. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 839177.	1.8	5
623	Molecular Fluorescent Probes for Liver Tumor Imaging. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	1.7	10
624	Fiber-Optic Theranostics (FOT): Interstitial Fiber-Optic Needles for Cancer Sensing and Therapy. <i>Advanced Science</i> , 2022, 9, e2200456.	5.6	23
625	Superwetttable Biosensor for Disease Biomarker Detection. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 872984.	2.0	3
626	Designable Micro-/Nano-Structured Smart Polymeric Materials. <i>Advanced Materials</i> , 2022, 34, e2107877.	11.1	41
627	High-Sensitive Detection and Quantitative Analysis of Thyroid-Stimulating Hormone Using Gold-Nanoshell-Based Lateral Flow Immunoassay Device. <i>Biosensors</i> , 2022, 12, 182.	2.3	8
628	Advances in High Throughput Proteomics Profiling in Establishing Potential Biomarkers for Gastrointestinal Cancer. <i>Cells</i> , 2022, 11, 973.	1.8	9
629	Graphene-Based Electrochemical Sensor for Detection of Hepatocellular Carcinoma Markers. <i>Frontiers in Chemistry</i> , 2022, 10, 883627.	1.8	3
630	“Smoke Detector” of Human Diseases for Environmental Aerosol Exposure. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1471-1477.	2.6	5
631	mRNA-miRNA bipartite networks reconstruction in different tissues of bladder cancer based on gene co-expression network analysis. <i>Scientific Reports</i> , 2022, 12, 5885.	1.6	6
632	Hierarchical Biomarkers Detection via A Universal Polydopamine Probe Catalyzed by a Hexagonal Star-nanostructured DNAzyme. <i>Sensors and Actuators B: Chemical</i> , 2022, , 131856.	4.0	2
633	Antifouling peptides combined with recognizing DNA probes for ultralow fouling electrochemical detection of cancer biomarkers in human bodily fluids. <i>Biosensors and Bioelectronics</i> , 2022, 206, 114162.	5.3	25
634	Toehold switch based biosensors for sensing the highly trafficked rosewood <i>Dalbergia maritima</i> . <i>Synthetic and Systems Biotechnology</i> , 2022, 7, 791-801.	1.8	2
635	Nanomaterial based analytical methods for breast cancer biomarker detection. <i>Materials Today Advances</i> , 2022, 14, 100219.	2.5	15
636	Magnetic covalent organic framework nanospheres-based miRNA biosensor for sensitive glioma detection. <i>Bioactive Materials</i> , 2022, 14, 145-151.	8.6	22
637	Cathepsin B-Overexpressed Tumor Cell Activatable Albumin-Binding Doxorubicin Prodrug for Cancer-Targeted Therapy. <i>Pharmaceutics</i> , 2022, 14, 83.	2.0	15

#	ARTICLE	IF	CITATIONS
638	Cost-Effective MEMS Fabrication and Electrode Alignment in Microfluidic Devices for Biological Detection. , 2021, , .		0
639	Label-Free Electrochemical Detection of the Cancer Biomarker Platelet-Derived Growth Factor Receptor in Human Serum and Cancer Cells. ACS Biomaterials Science and Engineering, 2022, 8, 826-833.	2.6	5
640	Assessing Plasmonic Nanoprobes in Electromagnetic Field Enhancement for SERS Detection of Biomarkers. Sensors, 2021, 21, 8345.	2.1	4
641	Review of Therapies using TiO ₂ Nanomaterials for Increased Anticancer Capability. Anti-Cancer Agents in Medicinal Chemistry, 2022, 22, 2241-2254.	0.9	6
642	Starring Role of Biomarkers and Anticancer Agents as a Major Driver in Precision Medicine of Cancer Therapy. Current Molecular Medicine, 2023, 23, 111-126.	0.6	1
643	Heterometallic nanomaterials: activity modulation, sensing, imaging and therapy. Chemical Science, 2022, 13, 5505-5530.	3.7	26
644	Bioinspired superwetttable electrodes towards electrochemical biosensing. Chemical Science, 2022, 13, 5069-5084.	3.7	14
645	Designed multifunctional peptides with two recognizing branches specific for one target to achieve highly sensitive and low fouling electrochemical protein assay in human serum. Analytica Chimica Acta, 2022, 1208, 339841.	2.6	2
646	Next-Generation Intelligent MXene-Based Electrochemical Aptasensors for Point-of-Care Cancer Diagnostics. Nano-Micro Letters, 2022, 14, 100.	14.4	53
647	New Diagnostic Biomarker-Soluble Erythropoietin-producing hepatocellular receptor A2 (EphA2) for colon cancer. Indian Journal of Surgery, 0, , 1.	0.2	0
648	Receptor-Targeted Surface-Engineered Nanomaterials for Breast Cancer Imaging and Theranostic Applications. Critical Reviews in Therapeutic Drug Carrier Systems, 2022, 39, 1-44.	1.2	14
649	Controllable CrRNA Self-Transcription Aided Dual-Amplified Crispr- Cas12a Strategy for Highly Sensitive Biosensing of Fen1 Activity. SSRN Electronic Journal, 0, , .	0.4	0
650	Green Phosphorene as a Promising Biosensor for Detection of Furan and p-Xylene as Biomarkers of Disease: A DFT Study. Sensors, 2022, 22, 3178.	2.1	20
651	An Editorial Note on: Modern Era of Nanobiosensors for Diagnosis and Combating Cancer. Nanoscience and Nanotechnology - Asia, 2022, 12, .	0.3	0
652	Individualized pathway activity algorithm identifies oncogenic pathways in pan-cancer analysis. EBioMedicine, 2022, 79, 104014.	2.7	7
653	Application of Microfluidics in Detection of Circulating Tumor Cells. Frontiers in Bioengineering and Biotechnology, 2022, 10, .	2.0	12
654	Tracing and Forecasting Metabolic Indices of Cancer Patients Using Patient-Specific Deep Learning Models. Journal of Personalized Medicine, 2022, 12, 742.	1.1	2
655	Micro- and nanoscale sensing of volatile organic compounds for early-stage cancer diagnosis. TrAC - Trends in Analytical Chemistry, 2022, 153, 116655.	5.8	3

#	ARTICLE	IF	CITATIONS
656	Synthetic biology-powered biosensors based on CRISPR/Cas mediated cascade signal amplification for precise RNA detection. <i>Chemical Engineering Journal</i> , 2022, 446, 136864.	6.6	6
657	Enzyme-controllable just-in-time production system of copper hexacyanoferrate nanoparticles with oxidase-mimicking activity for highly sensitive colorimetric immunoassay. <i>Talanta</i> , 2022, 247, 123546.	2.9	16
658	Ultrasound-Assisted Synthesis of Fluorescent Azatetracyclic Derivatives: An Energy-Efficient Approach. <i>Molecules</i> , 2022, 27, 3180.	1.7	3
659	Biogenic amine sensing and cancer detection in human urine based on a light-activated photocatalytic and pH-controlled probe. <i>Sensors and Actuators B: Chemical</i> , 2022, 367, 132037.	4.0	1
660	Functional DNA-peptide conjugates with enhanced antifouling capabilities for electrochemical detection of proteins in complex human serum. <i>Sensors and Actuators B: Chemical</i> , 2022, 367, 132110.	4.0	16
661	Integrating Ti3C2/MgIn2S4 heterojunction with a controlled release strategy for split-type photoelectrochemical sensing of miRNA-21. <i>Analytica Chimica Acta</i> , 2022, 1215, 339990.	2.6	11
662	Nanoscale metal organic frameworks and their applications in disease diagnosis and therapy. <i>Microchemical Journal</i> , 2022, 180, 107595.	2.3	4
663	Advances in engineered exosomes towards cancer diagnosis and therapeutics. <i>Progress in Biomedical Engineering</i> , 2022, 4, 032002.	2.8	3
664	A Novel Mitochondrial-Related Gene Signature for the Tumor Immune Microenvironment Evaluation and Prognosis Prediction in Lung Adenocarcinoma. <i>Journal of Immunology Research</i> , 2022, 2022, 1-19.	0.9	4
665	Molecular markers in cancer. <i>Clinica Chimica Acta</i> , 2022, 532, 95-114.	0.5	5
666	Controllable CrRNA Self-Transcription Aided Dual-Amplified Crispr- Cas12a Strategy for Highly Sensitive Biosensing of Fen1 Activity. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
667	Use of the Naphthoquinone YM155 (Sepantronium Bromide) in the Treatment of Cancer: A Systematic Review and Meta-Synthesis. <i>Oncologie</i> , 2022, 24, 195-225.	0.2	0
668	Portable and sensitive detection of cancer cells <i>via</i> a handheld luminometer. <i>Analyst</i> , The, 0, , .	1.7	3
669	Rational design of a turn-on fluorescent probe for visualization of GRP78 protein in tumor models. <i>Chinese Chemical Letters</i> , 2023, 34, 107604.	4.8	3
670	A Critical Review on the Sensing, Control, and Manipulation of Single Molecules on Optofluidic Devices. <i>Micromachines</i> , 2022, 13, 968.	1.4	3
671	A colorimetric electronic tongue based on bi-functionalized AuNPs for fingerprint detection of cancer markers. <i>Sensors and Actuators B: Chemical</i> , 2022, 368, 132170.	4.0	15
672	Bio-inspired Superwetable Surface for the Detection of Cancer Biomarker: A Mini Review. <i>Technology in Cancer Research and Treatment</i> , 2022, 21, 153303382211106.	0.8	0
674	Rare earth metal-organic framework hybrid materials for luminescence responsive chemical sensing of biomarkers. , 2022, , 375-408.		0

#	ARTICLE	IF	CITATIONS
675	An Integrative Analysis Revealing ZFH4-AS1 as a Novel Prognostic Biomarker Correlated with Immune Infiltrates in Ovarian Cancer. <i>Journal of Immunology Research</i> , 2022, 2022, 1-10.	0.9	0
676	Loosely-packed dynamical structures with partially-melted surface being the key for thermophilic argonaute proteins achieving high DNA-cleavage activity. <i>Nucleic Acids Research</i> , 2022, 50, 7529-7544.	6.5	9
677	DNA Methylation-Specific Analysis of G Protein-Coupled Receptor-Related Genes in Pan-Cancer. <i>Genes</i> , 2022, 13, 1213.	1.0	2
678	Dual Glutathione Depletion Enhanced Enzyme Catalytic Activity for Hyperthermia Assisted Tumor Therapy on Semi-Metallic VSe ₂ /Mn-CS. <i>ACS Nano</i> , 2022, 16, 10904-10917.	7.3	29
679	Nanostructured self-assemblies of photosensitive dyes: green and efficient theranostic approaches. <i>Green Chemical Engineering</i> , 2023, 4, 399-416.	3.3	5
680	Electrochemiluminescence metal-organic frameworks biosensing materials for detecting cancer biomarkers. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 157, 116735.	5.8	40
681	Identification and validation of co-expressed immune-related gene signature affecting the pattern of immune infiltrating in esophageal cancer. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2022, 25, .	0.6	0
682	Genome-scale metabolic network models: from first-generation to next-generation. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 4907-4920.	1.7	19
683	Hemin-graphene oxide-gold nanoflower-assisted enhanced electrochemiluminescence immunosensor for determination of prostate-specific antigen. <i>Mikrochimica Acta</i> , 2022, 189, .	2.5	4
684	Autoantibodies as Clinical Biomarkers in Breast Cancer. , 2022, , 129-138.		0
685	Bidirectional Relationship Between Cancer and Heart Failure: Insights on Circulating Biomarkers. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	8
686	Target-Modulated Hydrophobic Precipitation in Photocatalytic Nanochannels for Sensitive Detection of Alpha Fetoprotein. <i>Analytical Chemistry</i> , 2022, 94, 11282-11289.	3.2	9
687	Is liquid biopsy mature enough for the diagnosis of Alzheimer's disease?. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	9
688	Recent Advances on the Metal-Organic Frameworks-Based Biosensing Methods for Cancer Biomarkers Detection. <i>Critical Reviews in Analytical Chemistry</i> , 0, , 1-17.	1.8	4
689	Bioinformatics Analysis Based on TCGA: MUC16 Mutation Correlates with Clinical Outcome in Gastric Cancer. <i>Disease Markers</i> , 2022, 2022, 1-9.	0.6	0
690	Nonfouling and ratiometric electrochemical detection of prostate specific antigen in whole serum. <i>Analytica Chimica Acta</i> , 2022, 1224, 340191.	2.6	8
691	Engineering nanosystems to overcome barriers to cancer diagnosis and treatment. <i>Advanced Drug Delivery Reviews</i> , 2022, 189, 114482.	6.6	25
692	Dually stimulative single-chain polymeric nano lock with dynamic ligands for sensitive detection of circulating tumor cells. <i>Biosensors and Bioelectronics</i> , 2022, 217, 114692.	5.3	2

#	ARTICLE	IF	CITATIONS
693	Simple synthesis of PtRu nanoassemblies as signal amplifiers for electrochemical immunoassay of carbohydrate antigen 19â€“9. <i>Bioelectrochemistry</i> , 2022, 148, 108263.	2.4	6
694	Cancer Biomarkers in the Era of Systems Biology. , 2022, , 51-70.		2
695	A SERS and fluorescence dual-channel microfluidic droplet platform for exploring telomerase activity at the single-cell level. <i>Analyst</i> , The, 2022, 147, 5062-5067.	1.7	7
696	Thermomicrofluidic Biosensing Systems^{â€“}. <i>Acta Chimica Sinica</i> , 2022, 80, 679.	0.5	0
697	Target-triggered Au NPs self-assembled for fluorescence-SERS dual-mode monitoring of telomerase in living cells and in vivo. <i>Sensors and Actuators B: Chemical</i> , 2023, 374, 132789.	4.0	4
698	Sensitive Electrochemical Biosensor for Rapid Screening of Tumor Biomarker TP53 Gene Mutation Hotspot. <i>Biosensors</i> , 2022, 12, 658.	2.3	4
699	Pre-treatment strategies based on aqueous two-phase systems comprising ionic liquids to improve the adrenal cancer diagnosis. <i>Journal of Molecular Liquids</i> , 2022, 367, 120409.	2.3	4
700	Predictive mutation signature of immunotherapy benefits in NSCLC based on machine learning algorithms. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	9
701	The role of LncRNA LBX2-AS1 in cancers: functions, mechanisms and potential clinical utility. <i>Clinical and Translational Oncology</i> , 2023, 25, 293-305.	1.2	4
702	Exosome application in treatment and diagnosis of B-cell disorders: leukemias, multiple sclerosis, and arthritis rheumatoid. <i>Cellular and Molecular Biology Letters</i> , 2022, 27, .	2.7	15
703	Portable Colorimetric Device with Commercial Microplates for Quantitative Detection of Urine Biomarkers: Design, Development, and Clinical Evaluation. <i>Biosensors</i> , 2022, 12, 723.	2.3	3
704	Antifouling Electrochemical Biosensor Based on Conductive Hydrogel of DNA Scaffold for Ultrasensitive Detection of ATP. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 40624-40632.	4.0	6
705	Flexible biochemical sensors for point-of-care management of diseases: a review. <i>Mikrochimica Acta</i> , 2022, 189, .	2.5	2
706	In Vivo Near-Infrared Fluorescence/Ratiometric Photoacoustic Duplex Imaging of Lung Cancer-Specific hNQO1. <i>Analytical Chemistry</i> , 2022, 94, 13770-13776.	3.2	8
707	A Review on the Synthesis of Fluorescent Five- and Six-Membered Ring Azaheterocycles. <i>Molecules</i> , 2022, 27, 6321.	1.7	4
708	An opportunistic routing strategy for circulation flow-guided nano-networks. , 2022, , .		2
709	Label-free Optical Bio-Sensing of Non-cancerous and Cancerous Tissues from Mice: Distinct Spectroscopic Features of Thiazole Orange. <i>Sensors & Diagnostics</i> , 0, , .	1.9	0
710	Fluorescence immunosensor based on functional nanomaterials and its application in tumor biomarker detection. <i>RSC Advances</i> , 2022, 12, 31369-31379.	1.7	11

#	ARTICLE	IF	CITATIONS
711	Portable Plasmonic Paper-Based Biosensor for Simple and Rapid Indirect Detection of CEACAM5 Biomarker via Metal-Enhanced Fluorescence. <i>International Journal of Molecular Sciences</i> , 2022, 23, 11982.	1.8	0
712	Controllable crRNA Self-Transcription Aided Dual-Amplified CRISPR-Cas12a Strategy for Highly Sensitive Biosensing of FEN1 Activity. <i>ACS Synthetic Biology</i> , 2022, 11, 3847-3854.	1.9	8
713	Label-Free Surface Enhanced Raman Spectroscopy for Cancer Detection. <i>Cancers</i> , 2022, 14, 5021.	1.7	11
714	One-pot, sustainable and room temperature synthesis of graphene oxide-impregnated iron-based metal-organic framework (GO/MIL-100(Fe)) nanocarriers for anticancer drug delivery systems. <i>Journal of Materials Science</i> , 2022, 57, 19019-19049.	1.7	16
715	A novel signature model based on mitochondrial-related genes for predicting survival of colon adenocarcinoma. <i>BMC Medical Informatics and Decision Making</i> , 2022, 22, .	1.5	2
716	On the Optimal Threshold and Error Performance at Fusion Center for Diffusion-Based Molecular Communication System. , 2021, , .		0
717	Evaluation of molecular signatures in the urinary bladder and upper tract urothelial carcinomas: a prospective controlled clinical study. <i>Journal of the Egyptian National Cancer Institute</i> , 2022, 34, .	0.6	1
718	Design and Computational Analysis of Optical Fiber Sensor for Refractive Index Monitoring Using FDTD Method. <i>Plasmonics</i> , 0, , .	1.8	0
719	The exploitation of enzyme-based cancer immunotherapy. <i>Human Cell</i> , 2023, 36, 98-120.	1.2	1
720	Spherical nucleic acids-based biosensors for cancer biomarkers detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 157, 116807.	5.8	9
721	Application of carbon-based quantum dots in photodynamic therapy. <i>Carbon</i> , 2023, 203, 273-310.	5.4	29
722	Cancer biomarkers and their biosensors: A comprehensive review. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 158, 116813.	5.8	25
723	High-performance photoelectrochemical immunosensor based on featured photocathode-photoanode operating system. <i>Analytica Chimica Acta</i> , 2022, 1236, 340593.	2.6	0
724	The follicular fluid metabolome in infertile individuals between polycystic ovary syndrome and diminished ovarian reserve. <i>Archives of Biochemistry and Biophysics</i> , 2022, 732, 109453.	1.4	4
725	Advances with metal oxide-based nanoparticles as MDR metastatic breast cancer therapeutics and diagnostics. <i>RSC Advances</i> , 2022, 12, 32956-32978.	1.7	7
726	Nanomaterial-based microfluidic systems for cancer biomarker detection: Recent applications and future perspectives. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 158, 116835.	5.8	13
727	Alpha-aminoisobutyric acid incorporated peptides for the construction of electrochemical biosensors with high stability and low fouling in serum. <i>Analytica Chimica Acta</i> , 2023, 1238, 340646.	2.6	4
728	Sensitive biosensors based on topological insulator Bi ₂ Se ₃ and peptide. <i>Analytica Chimica Acta</i> , 2023, 1239, 340655.	2.6	4

#	ARTICLE	IF	CITATIONS
729	Recent advances in tumor biomarker detection by lanthanide upconversion nanoparticles. <i>Journal of Materials Chemistry B</i> , 2023, 11, 755-771.	2.9	2
730	A biotin-guided near-infrared fluorescent probe for imaging hydrogen sulfide and differentiating cancer cells. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 332-338.	1.5	7
731	DNA walker for signal amplification in living cells. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 158, 116870.	5.8	12
732	Smartphone-based microplate reader for high-throughput quantitation of disease markers in serum. <i>Analyst</i> , The, 0, , .	1.7	0
733	A pH/GSH dual responsive nanoparticle with relaxivity-amplification for magnetic resonance imaging and suppression of tumors and metastases. <i>Nanoscale</i> , 0, , .	2.8	2
734	Innovations in the synthesis of graphene nanostructures for bio and gas sensors. , 2023, 145, 213234.		9
735	Recent advances in small-molecule fluorescent probes for diagnosis of cancer cells/tissues. <i>Coordination Chemistry Reviews</i> , 2023, 477, 214946.	9.5	33
736	Stimulus-responsive strategy based on MnO ₂ nanosheet-modified mesoporous silica nanoprobe for accurate multiple mRNAs detection. <i>Talanta</i> , 2023, 255, 124179.	2.9	1
737	Metal-organic gel coupled entropy-driven circuit for fluorescence detection of miR-155. <i>Journal of Materials Chemistry C</i> , 2022, 10, 18258-18263.	2.7	0
738	Investigating the Function of Human Jumping Translocation Breakpoint Protein (hJTB) and Its Interacting Partners through In-Solution Proteomics of MCF7 Cells. <i>Molecules</i> , 2022, 27, 8301.	1.7	5
739	The predictive ability of routinely collected laboratory markers for surgically treated spinal metastases: a retrospective single institution study. <i>BMC Cancer</i> , 2022, 22, .	1.1	0
740	Aptamer-Based Probes for Cancer Diagnostics and Treatment. <i>Life</i> , 2022, 12, 1937.	1.1	7
741	Programmable Microparticle Array for In Situ Modification and Multiple miRNA Detection. <i>ACS Sensors</i> , 2022, 7, 3654-3659.	4.0	9
742	Lateral flow assays for detection of disease biomarkers. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2023, 225, 115206.	1.4	9
743	Circulating Tumor DNA—A Novel Biomarker of Tumor Progression and Its Favorable Detection Techniques. <i>Cancers</i> , 2022, 14, 6025.	1.7	11
744	Quantitative Single-Molecule Electrochemiluminescence Bioassay. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	12
745	Microfluidic SERS devices: brightening the future of bioanalysis. <i>Discover Materials</i> , 2022, 2, .	1.0	7
746	Quantitative Single-Molecule Electrochemiluminescence Bioassay. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0

#	ARTICLE	IF	CITATIONS
747	DNA-enabled fluorescent-based nanosensors monitoring tumor-related RNA toward advanced cancer diagnosis: A review. <i>Frontiers in Bioengineering and Biotechnology</i> , 0, 10, .	2.0	0
748	A novel detection of MicroRNA based on homogeneous electrochemical sensor with enzyme-assisted signal amplification. <i>Talanta</i> , 2023, 256, 124263.	2.9	2
749	Principle Superiority and Clinical Extensibility of 2D and 3D Charged Nanoprobe Detection Platform Based on Electrophysiological Characteristics of Circulating Tumor Cells. <i>Cells</i> , 2023, 12, 305.	1.8	0
750	Graphene-Based Electrochemical Biosensors for Breast Cancer Detection. <i>Biosensors</i> , 2023, 13, 80.	2.3	21
751	Ultrasensitive Electrochemiluminescence Biosensor with Silver Nanoclusters as a Novel Signal Probe and Pt as an Efficient Co-reaction Accelerator for Procalcitonin Immunoassay. <i>Analytical Chemistry</i> , 0, , .	3.2	3
752	Hierarchical ensembles of FeCo metal-organic frameworks reinforced nickel foam as an impedimetric sensor for detection of IL-1RA in human samples. <i>Chemical Engineering Journal</i> , 2023, 458, 141444.	6.6	8
753	Recent Progress in Nanomaterial-Based Biosensors and Theranostic Nanomedicine for Bladder Cancer. <i>Biosensors</i> , 2023, 13, 106.	2.3	4
754	Microfluidic paper-based analytical devices for cancer diagnosis. <i>Sensors and Actuators B: Chemical</i> , 2023, 379, 133243.	4.0	7
755	SiO_2/Si -Based Biosensor for the Detection of MicroRNA Markers of Ovarian Cancer. <i>Micromachines</i> , 2023, 14, 70.	1.4	1
756	Manipulation and elimination of circulating tumor cells using multi-responsive nanosheet for malignant tumor therapy. <i>Biomaterials Science</i> , 2023, 11, 2590-2602.	2.6	2
757	Proteomic Markers for Mechanobiological Properties of Metastatic Cancer Cells. <i>International Journal of Molecular Sciences</i> , 2023, 24, 4773.	1.8	0
758	Recent Advances and Emerging Trends in Cancer Biomarker Detection Technologies. <i>Industrial & Engineering Chemistry Research</i> , 2023, 62, 5691-5713.	1.8	15
759	Multifunctional exosome-driven pancreatic cancer diagnostics and therapeutics. , 2023, 2, 100022.		2
760	A Fluid Multivalent Magnetic Interface for High-Performance Isolation and Proteomic Profiling of Tumor-Derived Extracellular Vesicles. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	0
762	Pancreatic Cancer Treatment by Using Theragnostic Nanoparticles. , 2022, , 149-168.		0
763	Identification of cancer protein biomarker based on cell specific peptide and its potential role in predicting tumor metastasis. <i>Journal of Proteomics</i> , 2023, 275, 104826.	1.2	2
764	A Sensitive Immunochromatographic Test Strip Based on Hydrophobic Quantum Dots Incorporated into Mg/Fe Nanoflowers for HCG Detection. <i>Chemosensors</i> , 2023, 11, 114.	1.8	2
765	Early detection of tumour-associated antigens: Assessment of point-of-care electrochemical immunoassays. <i>TrAC - Trends in Analytical Chemistry</i> , 2023, 160, 116981.	5.8	9

#	ARTICLE	IF	CITATIONS
766	Identification and validation of a novel prognostic signature based on mitochondria and oxidative stress related genes for glioblastoma. <i>Journal of Translational Medicine</i> , 2023, 21, .	1.8	5
767	An enzyme-responsive electrochemical DNA biosensor achieving various dynamic range by using only-one immobilization probe. <i>Analytica Chimica Acta</i> , 2023, 1251, 340999.	2.6	1
768	A nucleolin-activated polyvalent aptamer nanoprobe for the detection of cancer cells. <i>Analytical and Bioanalytical Chemistry</i> , 2023, 415, 2217-2226.	1.9	0
769	Touchable Gustation via a Hoffmeister Gel Iontronic Sensor. <i>ACS Nano</i> , 2023, 17, 5129-5139.	7.3	13
770	An environmentally insensitive fluorescent probe for G4 DNA detection: Design, synthesis, and mechanism studies. <i>Analytica Chimica Acta</i> , 2023, 1252, 341074.	2.6	0
771	A Fluid Multivalent Magnetic Interface for High-Performance Isolation and Proteomic Profiling of Tumor-Derived Extracellular Vesicles. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	10
772	Chitosan Nanoparticles-Based Cancer Drug Delivery: Application and Challenges. <i>Marine Drugs</i> , 2023, 21, 211.	2.2	13
773	Recent progress of biosensors for the detection of lung cancer markers. <i>Journal of Materials Chemistry B</i> , 2023, 11, 5715-5747.	2.9	6
774	Acoustofluidic separation of proteins from platelets in human blood plasma using aptamer-functionalized microparticles. <i>Biomicrofluidics</i> , 2023, 17, .	1.2	1
775	An Alkaline Phosphatase-Responsive Aggregation-Induced Emission Photosensitizer for Selective Imaging and Photodynamic Therapy of Cancer Cells. <i>ACS Nano</i> , 2023, 17, 7145-7156.	7.3	18
776	¹⁹ F NMR ON/OFF nanoparticles: a universal approach for the specific detection of DNA-binding cancer biomarkers. <i>Nanoscale</i> , 2023, 15, 8972-8977.	2.8	1
786	Editorial: Update on diagnostic and prognostic biomarkers for women's cancers. <i>Frontiers in Medicine</i> , 0, 10, .	1.2	0
793	Editorial: Genetic and proteomic biomarkers in solid tumor detection and treatment. <i>Frontiers in Genetics</i> , 0, 14, .	1.1	0
803	Multiplexed electrochemical detection of biomarkers in biological samples. , 2023, , 73-120.		0
804	Electrochemical biosensors based on graphene and its allied derivatives for lifestyle disease diagnosis. , 2023, , 536-568.		0
809	Perspectives and trends in advanced optical and electrochemical biosensors based on engineered peptides. <i>Mikrochimica Acta</i> , 2023, 190, .	2.5	0
819	Advancements in artificial micro/nanomotors for nucleic acid biosensing: a review of recent progress. <i>Nanoscale</i> , 2023, 15, 13172-13186.	2.8	0
820	Perspective of point-of-care sensing systems in cancer management. <i>Materials Advances</i> , 2023, 4, 4991-5002.	2.6	1

#	ARTICLE	IF	CITATIONS
822	Editorial: Secreted proteins as novel biomarkers and therapeutic targets in NAFLD. <i>Frontiers in Endocrinology</i> , 0, 14, .	1.5	0
827	Construction and bioanalytical applications of poly-adenine-mediated gold nanoparticle-based spherical nucleic acids. <i>Analytical Methods</i> , 0, , .	1.3	0
832	A Theoretical Review on Challenges and Solutions of the Free Radical Scavenging Capability of Single-Walled Carbon Nanotubes (SWCNTs). <i>Lecture Notes in Electrical Engineering</i> , 2024, , 3-44.	0.3	0
836	Electrochemical Biosensors for Nucleic Acids Detection. , 2023, , 137-154.		0
843	Recent advances in nanocarriers for pancreatic cancer therapy. , 2024, , 169-211.		0
849	NIR-II fluorescent Ag ₂ Se polystyrene beads in a lateral flow immunoassay to detect biomarkers for breast cancer. <i>Mikrochimica Acta</i> , 2023, 190, .	2.5	1
854	Polyurethane Nanofibers Fabricated by Electrospinning as Drug Carrier Systems for the Treatment of Cancer. , 2023, , 279-304.		0
871	Iron Oxide-Based Nanozymes and Their Applications. <i>Nanostructure Science and Technology</i> , 2024, , 41-52.	0.1	0
873	Glycan-specific molecularly imprinted polymers towards cancer diagnostics: merits, applications, and future perspectives. <i>Chemical Society Reviews</i> , 2024, 53, 1870-1891.	18.7	0
881	Theranostic Applications of Functional Nanomaterials Using Microscopic and Spectroscopic Techniques. , 2024, , 87-118.		0
883	Gold nanomaterials: important vectors in biosensing of breast cancer biomarkers. <i>Analytical and Bioanalytical Chemistry</i> , 0, , .	1.9	0
885	Nanosensors for point-of-care diagnosis. , 2024, , 101-129.		0
904	Advances in Luminescence-Based Biosensing with Quantum Dots. <i>Advanced Structured Materials</i> , 2024, , 469-489.	0.3	0
905	Plasmonic Nanobiosensors for Early Diagnosis of Cancers. , 2024, , 1-49.		0