

Mohammad Hasanzadeh

List of Publications by Year in descending order

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Version: 2024-02-01

276
papers

9,326
citations

34016

52
h-index

79541

73
g-index

281
all docs

281
docs citations

281
times ranked

8255
citing authors

#	ARTICLE	IF	CITATIONS
1	Synergizing Functional Nanomaterials with Aptamers Based on Electrochemical Strategies for Pesticide Detection: Current Status and Perspectives. <i>Critical Reviews in Analytical Chemistry</i> , 2022, 52, 1818-1845.	1.8	27
2	Sensitive recognition of Shiga toxin using biosensor technology: An efficient platform towards bioanalysis of pathogenic bacterial. <i>Microchemical Journal</i> , 2022, 172, 106900.	2.3	6
3	A flexible paper based electrochemical portable biosensor towards recognition of ractopamine as animal feed additive: Low cost diagnostic tool towards food analysis using aptasensor technology. <i>Food Chemistry</i> , 2022, 373, 131411.	4.2	27
4	Sensitive electrochemical recognition of α -synuclein protein in human plasma sample using bioconjugated gold nanoparticles: An innovative immuno-platform to assist in the early stage identification of Parkinson's disease. <i>Journal of Molecular Recognition</i> , 2022, , e2952.	1.1	2
5	Sensitive immunosensing of α -synuclein protein in human plasma samples using gold nanoparticles conjugated with graphene: an innovative immuno-platform towards early stage identification of Parkinson's disease using point of care (POC) analysis. <i>RSC Advances</i> , 2022, 12, 4346-4357.	1.7	29
6	An innovative electrically conductive biopolymer based on poly(β -cyclodextrin) towards recognition of ascorbic acid in real sample: Utilization of biocompatible advanced materials in biomedical analysis. <i>Journal of Molecular Recognition</i> , 2022, 35, e2953.	1.1	9
7	Environmental protection based on the nanobiosensing of bacterial lipopolysaccharides (LPSs): material and method overview. <i>RSC Advances</i> , 2022, 12, 9704-9724.	1.7	8
8	Electrochemical genosensor based on gold nanostars for the detection of <i>Escherichia coli</i> O157:H7 DNA. <i>Analytical Methods</i> , 2022, 14, 1562-1570.	1.3	9
9	Reliable recognition of DNA methylation using bioanalysis of hybridization on the surface of Ag/GQD nanocomposite stabilized on poly(β -cyclodextrin): A new platform for DNA damage studies using genosensor technology. <i>Journal of Molecular Recognition</i> , 2022, 35, e2945.	1.1	3
10	Nanotechnology-assisted microfluidic systems for chemical sensing, biosensing, and bioanalysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 152, 116637.	5.8	32
11	Sensitive recognition of prostate-specific antigen using biotinylated antibody encapsulated on D-phenicillamine decorated wrinkled silicate nanoparticles (WSN): An innovative sandwich-type biosensor toward diagnosis of prostate cancer. <i>Journal of Molecular Recognition</i> , 2022, 35, e2960.	1.1	6
12	An innovative electrochemical immuno-platform towards ultra-sensitive monitoring of 2-arachidonoyl glycerol in samples from rats with sleep deprivation: bioanalysis of endogenous cannabinoids using biosensor technology. <i>RSC Advances</i> , 2022, 12, 14154-14166.	1.7	4
13	Microfluidic assisted recognition of miRNAs towards point-of-care diagnosis: Technical and analytical overview towards biosensing of short stranded single non-coding oligonucleotides. <i>Biomedicine and Pharmacotherapy</i> , 2022, 153, 113365.	2.5	2
14	Applications of advanced materials in bio-sensing in live cells: Methods and applications. <i>Materials Science and Engineering C</i> , 2021, 121, 111691.	3.8	6
15	Sensitive monitoring of doxorubicin in plasma of patients, MDA-MB-231 and 4T1 cell lysates using electroanalysis method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 192, 113701.	1.4	8
16	Recent progress and challenges on the bioassay of pathogenic bacteria. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2021, 109, 548-571.	1.6	9
17	Ultrasensitive fluorescence detection of antitumor drug methotrexate based on a terbium-doped silica dendritic probe. <i>Analytical Methods</i> , 2021, 13, 4280-4289.	1.3	7
18	Bioconjugation of 2-arachidonoyl glycerol (2-AG) biotinylated antibody with gold nano-flowers toward immunosensing of 2-AG in human plasma samples: A novel immuno-platform for the screening of immunomodulation and neuroprotection using biosensing. <i>Analytical Methods</i> , 2021, 13, 311-321.	1.3	10

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19	A microfluidic paper-based colorimetric device for the visual detection of uric acid in human urine samples. <i>Analytical Methods</i> , 2021, 13, 3909-3921.	1.3	24
20	Architecture of a multi-channel and easy-to-make microfluidic paper-based colorimetric device ($\frac{1}{4}$ PCD) towards selective and sensitive recognition of uric acid by AuNPs: an innovative portable tool for the rapid and low-cost identification of clinically relevant biomolecules. <i>RSC Advances</i> , 2021, 11, 27298-27308.	1.7	22
21	Microfluidic biosensing of circulating tumor cells (CTCs): Recent progress and challenges in efficient diagnosis of cancer. <i>Biomedicine and Pharmacotherapy</i> , 2021, 134, 111153.	2.5	43
22	Chemical binding of molecularly imprinted polymer to biotinylated antibody: Utilization of molecular imprinting polymer as intelligent synthetic biomaterials toward recognition of carcinoma embryonic antigen in human plasma sample. <i>Journal of Molecular Recognition</i> , 2021, 34, e2897.	1.1	2
23	Chemical binding of pyrrolidinyl peptide nucleic acid (PNA) probe with AuNPs toward label-free monitoring of miRNA: A novel biosensing platform for biomedical analysis and POC diagnostics. <i>Journal of Molecular Recognition</i> , 2021, 34, e2893.	1.1	7
24	Utilization of rGO-PEI-supported AgNPs for sensitive recognition of deltamethrin in human plasma samples: A new platform for the biomedical analysis of pesticides in human biofluids. <i>Journal of Molecular Recognition</i> , 2021, 34, e2900.	1.1	4
25	Application of Advanced Nanomaterials for Kidney Failure Treatment and Regeneration. <i>Materials</i> , 2021, 14, 2939.	1.3	28
26	Sensitive recognition of ractopamine using QDs@DPA as organic fluorescent probe. <i>Journal of Molecular Recognition</i> , 2021, 34, e2903.	1.1	3
27	Visual monitoring and optical recognition of digoxin by functionalized AuNPs and triangular AgNPs as efficient optical nano-probes. <i>Journal of Molecular Recognition</i> , 2021, 34, e2917.	1.1	1
28	Low potential detection of doxorubicin using a sensitive electrochemical sensor based on glassy carbon electrode modified with silver nanoparticles-supported poly(chitosan): A new platform in pharmaceutical analysis. <i>Microchemical Journal</i> , 2021, 165, 106101.	2.3	19
29	A stretchable glove sensor toward rapid monitoring of trifluralin: A new platform for the on-site recognition of herbicides based on wearable flexible sensor technology using lab-on-glove. <i>Journal of Molecular Recognition</i> , 2021, 34, e2923.	1.1	22
30	Poly (amino acids) towards sensing: Recent progress and challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 140, 116279.	5.8	53
31	An Innovative Immunoanalysis Strategy towards Sensitive Recognition of PSA Biomarker in Human Plasma Samples Using Flexible and Portable Paper Based Biosensor: A New Platform towards POC Detection of Cancer Biomarkers Using Integration of Pen-on Paper Technology with Immunoassays Methods. <i>Immunoanalysis</i> , 2021, 1, 6-6.	0.2	7
32	Trifluralin recognition using touch-based fingertip: Application of wearable glove-based sensor toward environmental pollution and human health control. <i>Journal of Molecular Recognition</i> , 2021, 34, e2927.	1.1	25
33	Sensitive aptasensing of ciprofloxacin residues in raw milk samples using reduced graphene oxide and nanogold-functionalized poly(amidoamine) dendrimer: An innovative apta-platform towards electroanalysis of antibiotics. <i>Analytica Chimica Acta</i> , 2021, 1174, 338736.	2.6	34
34	Enzymatic recognition of hydrogen peroxide (H_2O_2) in human plasma samples using HRP immobilized on the surface of poly(arginine- ϵ -toluidine blue)- Fe_3O_4 nanoparticles modified polydopamine; A novel biosensor. <i>Journal of Molecular Recognition</i> , 2021, 34, e2928.	1.1	23
35	Magneto-immunoassay of cancer biomarkers: Recent progress and challenges in biomedical analysis. <i>Microchemical Journal</i> , 2021, 167, 106320.	2.3	11
36	Sensitive identification of silibinin as anticancer drug in human plasma samples using poly(I^2 -CD)-AgNPs: A new platform towards efficient clinical pharmacotherapy. <i>Biomedicine and Pharmacotherapy</i> , 2021, 140, 111763.	2.5	8

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37	Label-free electrochemical-immunoassay of cancer biomarkers: Recent progress and challenges in the efficient diagnosis of cancer employing electroanalysis and based on point of care (POC). <i>Microchemical Journal</i> , 2021, 168, 106424.	2.3	12
38	Providing multicolor plasmonic patterns with graphene quantum dots functionalized with penicillamine for visual recognition of V(V), Cu(II), and Fe(III): Colorimetric fingerprints of GQDs-DPA for discriminating ions in human urine samples. <i>Journal of Molecular Recognition</i> , 2021, 34, e2936.	1.1	14
39	Biomedical application of hyperbranched polymers: Recent Advances and challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 142, 116308.	5.8	58
40	Electrochemical immunoplatfrom to assist in the diagnosis of oral cancer through the determination of CYFRA 21.1 biomarker in human saliva samples: Preparation of a novel portable biosensor toward non-invasive diagnosis of oral cancer. <i>Journal of Molecular Recognition</i> , 2021, 34, e2932.	1.1	12
41	Application of Cys A@AuNPs supported amino acids towards rapid and selective identification of Hg(II) and Cu(II) ions in aqueous solution: An innovative microfluidic paper-based (μ PADs) colorimetric sensing platform. <i>Journal of Molecular Liquids</i> , 2021, 338, 117020.	2.3	20
42	Application of lateral flow and microfluidic bio-assay and biosensing towards identification of DNA-methylation and cancer detection: Recent progress and challenges in biomedicine. <i>Biomedicine and Pharmacotherapy</i> , 2021, 141, 111845.	2.5	19
43	An innovative flexible and portable DNA based biodevice towards sensitive identification of Haemophilus influenzae bacterial genome: A new platform for the rapid and low cost recognition of pathogenic bacteria using point of care (POC) analysis. <i>Microchemical Journal</i> , 2021, 169, 106610.	2.3	19
44	An innovative colorimetric platform for the low-cost and selective identification of Cu(II), Fe(III), and Hg(II) using GQDs-DPA supported amino acids by microfluidic paper-based (μ PADs) device: Multicolor plasmonic patterns. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106197.	3.3	20
45	Glycoprotein-based bioimaging of HeLa cancer cells by folate receptor and folate decorated graphene quantum dots. <i>Microchemical Journal</i> , 2021, 170, 106732.	2.3	17
46	Low fouling and ultra-sensitive electrochemical screening of ractopamine using mixed self-assembly of PEG and aptamer immobilized on the interface of poly (dopamine)/GCE: A new apta-platform towards point of care (POC) analysis. <i>Microchemical Journal</i> , 2021, 171, 106853.	2.3	15
47	Flexible paper-based label-free electrochemical biosensor for the monitoring of miRNA-21 using core-shell Ag@Au/GQD nano-ink: a new platform for the accurate and rapid analysis by low cost lab-on-paper technology. <i>Analytical Methods</i> , 2021, 13, 1286-1294.	1.3	31
48	Chemical binding of horseradish peroxidase enzyme with poly beta-cyclodextrin and its application as molecularly imprinted polymer for the monitoring of H_2O_2 in human plasma samples. <i>Journal of Molecular Recognition</i> , 2021, 34, e2884.	1.1	12
49	Anti-bacterial activity of gold nanocomposites as a new nanomaterial weapon to combat photogenic agents: recent advances and challenges. <i>RSC Advances</i> , 2021, 11, 34688-34698.	1.7	44
50	Identification of DNA methylation by novel optical genosensing: A new platform in epigenetic study using biomedical analysis. <i>Journal of Molecular Recognition</i> , 2021, 34, e2938.	1.1	3
51	Carbon-based aerogels for biomedical sensing: Advances toward designing the ideal sensor. <i>Advances in Colloid and Interface Science</i> , 2021, 298, 102550.	7.0	33
52	KCCl aminopropyl-functionalized supported on iron oxide magnetic nanoparticles as a novel magnetic nanocatalyst for the green and efficient synthesis of sulfonamide derivatives. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5321.	1.7	16
53	Immobilization of ssDNA on the surface of silver nanoparticles-graphene quantum dots modified by gold nanoparticles towards biosensing of microorganism. <i>Microchemical Journal</i> , 2020, 152, 104286.	2.3	33
54	Cell-specific frequency as a new hallmark to early detection of cancer and efficient therapy: Recording of cancer voice as a new horizon. <i>Biomedicine and Pharmacotherapy</i> , 2020, 122, 109770.	2.5	12

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55	Digoxin as a glycosylated steroid-like therapeutic drug: Recent advances in the clinical pharmacology and bioassays of pharmaceutical compounds. <i>Biomedicine and Pharmacotherapy</i> , 2020, 123, 109813.	2.5	19
56	Recent advances in the biosensing of neurotransmitters: material and method overviews towards the biomedical analysis of psychiatric disorders. <i>Analytical Methods</i> , 2020, 12, 557-575.	1.3	24
57	pDNA conjugated with citrate capped silver nanoparticles towards ultrasensitive bio-assay of haemophilus influenza in human biofluids: A novel optical biosensor. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 180, 113050.	1.4	17
58	Spectrofluorimetric cytosensing of colorectal cancer cells using terbium-doped dendritic fibrous nano-silica functionalized by folic acid: A novel optical cytosensor for cancer detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 180, 113077.	1.4	32
59	Multifunctional aptasensors based on mesoporous silica nanoparticles as an efficient platform for bioanalytical applications: Recent advances. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 124, 115778.	5.8	36
60	Differentiation and targeting of HT 29 cancer cells based on folate bioreceptor using cysteamine functionalized gold nano-leaf. <i>Materials Science and Engineering C</i> , 2020, 107, 110320.	3.8	20
61	An innovative method to electrochemical branching of chitosan in the presence of copper nanocubics on the surface of glassy carbon and its electrical behaviour study: A new platform for pharmaceutical analysis using electrochemical sensors. <i>Reactive and Functional Polymers</i> , 2020, 146, 104402.	2.0	7
62	A novel electroconductive interface based on Fe ₃ O ₄ magnetic nanoparticle and cysteamine functionalized AuNPs: Preparation and application as signal amplification element to minoring of antigen-antibody immunocomplex and biosensing of prostate cancer. <i>Journal of Molecular Recognition</i> , 2020, 33, e2825.	1.1	17
63	Bio-assay of <i>Acinetobacter baumannii</i> using DNA conjugated with gold nano-star: A new platform for microorganism analysis. <i>Enzyme and Microbial Technology</i> , 2020, 133, 109466.	1.6	18
64	Sensitive monitoring of riboflavin in commercial multivitamins using poly (chitosan)-based nanocomposite. <i>Journal of Molecular Recognition</i> , 2020, 33, e2817.	1.1	4
65	An innovative genosensor for the monitoring of <i>Leishmania</i> spp sequence using binding of pDNA to cDNA based on Cit-AgNPs. <i>Heliyon</i> , 2020, 6, e04638.	1.4	6
66	Non-invasive bioassay of Cytokeratin Fragment 21.1 (Cyfra 21.1) protein in human saliva samples using immunoreaction method: An efficient platform for early-stage diagnosis of oral cancer based on biomedicine. <i>Biomedicine and Pharmacotherapy</i> , 2020, 131, 110671.	2.5	13
67	Recent progress on developing of plasmon biosensing of tumor biomarkers: Efficient method towards early stage recognition of cancer. <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110850.	2.5	27
68	Biomedical applications of dendritic fibrous nanosilica (DFNS): recent progress and challenges. <i>RSC Advances</i> , 2020, 10, 37116-37133.	1.7	28
69	Biosensing based on field-effect transistors (FET): Recent progress and challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 133, 116067.	5.8	138
70	Efficient removal of digoxin from aqueous solution using magnetic nanocomposite (Fe ₃ O ₄ -GO-SO ₃ H) as an advanced nano-absorbent. <i>Nanocomposites</i> , 2020, 6, 66-75.	2.2	7
71	Aptamer based recognition of cancer cells: Recent progress and challenges in bioanalysis. <i>Talanta</i> , 2020, 220, 121436.	2.9	49
72	DNA based biosensing of <i>Acinetobacter baumannii</i> using nanoparticles aggregation method. <i>Heliyon</i> , 2020, 6, e04474.	1.4	12

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73	Multiplex bioassaying of cancer proteins and biomacromolecules: Nanotechnological, structural and technical perspectives. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 3020-3039.	3.6	20
74	Critical role of biosensing on the efficient monitoring of cancer proteins/biomarkers using label-free aptamer based bioassay. <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110849.	2.5	25
75	Optimized DNA-based biosensor for monitoring <i>Leishmania infantum</i> in human plasma samples using biomacromolecular interaction: a novel platform for infectious disease diagnosis. <i>Analytical Methods</i> , 2020, 12, 4759-4768.	1.3	25
76	Nanomaterial based aptasensing of prostate specific antigen (PSA): Recent progress and challenges in efficient diagnosis of prostate cancer using biomedicine. <i>Biomedicine and Pharmacotherapy</i> , 2020, 132, 110878.	2.5	29
77	Recent Progress on the Electrochemical Biosensing of <i>Escherichia coli</i> O157:H7: Material and Methods Overview. <i>Biosensors</i> , 2020, 10, 54.	2.3	29
78	Biosensing: The best alternative for conventional methods in detection of Alzheimer's disease biomarkers. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 59-71.	3.6	22
79	A novel immunosensor for the monitoring of PSA using binding of biotinylated antibody to the prostate specific antigen based on nano-ink modified flexible paper substrate: efficient method for diagnosis of cancer using biosensing technology. <i>Heliyon</i> , 2020, 6, e04327.	1.4	16
80	Development of a reliable bioanalytical method based on prostate specific antigen trapping on the cavity of molecular imprinted polymer towards sensing of PSA using binding affinity of PSA-MIP receptor: A novel biosensor. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 188, 113447.	1.4	29
81	The role of nanomaterials on the cancer cells sensing based on folate receptor: Analytical approach. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 125, 115834.	5.8	33
82	A novel optical probe based on penicillamine functionalized graphene quantum dots: Preparation and application as signal amplification element to monitoring of ions in human biofluid. <i>Journal of Molecular Recognition</i> , 2020, 33, e2828.	1.1	14
83	A novel biosensor for the monitoring of ovarian cancer tumor protein CA 125 in untreated human plasma samples using a novel nano-ink: a new platform for efficient diagnosis of cancer using paper based microfluidic technology. <i>Analytical Methods</i> , 2020, 12, 1639-1649.	1.3	30
84	Specific monitoring of aflatoxin M1 in real samples using aptamer binding to DNFS based on turn-on method: A novel biosensor. <i>Journal of Molecular Recognition</i> , 2020, 33, e2832.	1.1	24
85	Synthesis and electroanalytical behaviour of AgNPs/graphite conductive nano-ink towards biosensing of bacteria genome in human biofluids. <i>Analytical Methods</i> , 2020, 12, 1218-1228.	1.3	5
86	Binding of pDNA with cDNA using hybridization strategy towards monitoring of <i>Haemophilus influenzae</i> genome in human plasma samples. <i>International Journal of Biological Macromolecules</i> , 2020, 150, 218-227.	3.6	11
87	Electrochemical paper-based analytical devices (ePADs) toward biosensing: recent advances and challenges in bioanalysis. <i>Analytical Methods</i> , 2020, 12, 1398-1414.	1.3	37
88	Spectrophotometric study of ketoconazole binding with citrate capped silver nanoparticles and its monitoring in human plasma samples. <i>Journal of Molecular Recognition</i> , 2020, 33, e2830.	1.1	8
89	KCC-1/Pr-SO ₃ H: an efficient heterogeneous catalyst for green and one-pot synthesis of 2,3-dihydroquinazolin-4(1H)-one. <i>Nanocomposites</i> , 2020, 6, 31-40.	2.2	18
90	Iron oxide magnetic nanoparticles supported on amino propyl functionalized KCC-1 as robust recyclable catalyst for one pot and green synthesis of tetrahydrodipyrzolo[1,5-c]pyridines and cytotoxicity evaluation. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5440.	1.7	28

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91	Binding of <i>Leishmania spp</i> with gold nanoparticles supported polyethylene glycol and its application for the sensitive detection of infectious photogenes in human plasma samples: A novel biosensor. <i>Journal of Molecular Recognition</i> , 2020, 33, e2839.	1.1	17
92	Monitoring of drug resistance towards reducing the toxicity of pharmaceutical compounds: Past, present and future. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 186, 113265.	1.4	13
93	Bio-assay of the non-amidated progastrin-derived peptide (G17-Gly) using the tailor-made recombinant antibody fragment and phage display method: a biomedical analysis. <i>Analytical Methods</i> , 2020, 12, 2735-2746.	1.3	3
94	A novel bioassay for the monitoring of carcinoembryonic antigen in human biofluid using polymeric interface and immunosensing method. <i>Journal of Molecular Recognition</i> , 2020, 33, e2852.	1.1	4
95	Biosensing of prostate specific antigen (PSA) in human plasma samples using biomacromolecule encapsulation into KCC-1-npr-NH ₂ : A new platform for prostate cancer detection. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 584-595.	3.6	7
96	Electropolymerization of chitosan in the presence of CuNPs on the surface of a copper electrode: an advanced nanocomposite for the determination of mefenamic acid and indomethacin in human plasma samples and prevention of drug poisoning. <i>Analytical Methods</i> , 2020, 12, 1212-1217.	1.3	6
97	Biomedical analysis of exosomes using biosensing methods: recent progress. <i>Analytical Methods</i> , 2020, 12, 2795-2811.	1.3	39
98	A novel nucleic acid based bio-assay toward recognition of Haemophilus influenza using bioconjugation and DNA hybridization method. <i>International Journal of Biological Macromolecules</i> , 2019, 139, 1239-1251.	3.6	6
99	Determination of proline in human plasma samples using the encapsulation of proline dehydrogenase enzyme in dendritic silica: a new platform for the enzymatic biosensing of amino acids. <i>Analytical Methods</i> , 2019, 11, 4609-4619.	1.3	6
100	Paper based immunosensing of ovarian cancer tumor protein CA 125 using novel nano-ink: A new platform for efficient diagnosis of cancer and biomedical analysis using microfluidic paper-based analytical devices (µPAD). <i>International Journal of Biological Macromolecules</i> , 2019, 138, 744-754.	3.6	48
101	Determination of aflatoxin M1 using an aptamer-based biosensor immobilized on the surface of dendritic fibrous nano-silica functionalized by amine groups. <i>Analytical Methods</i> , 2019, 11, 3910-3919.	1.3	40
102	Recent advances on the DNA-based electrochemical biosensing of cancer biomarkers: Analytical approach. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 119, 115609.	5.8	61
103	The bioconjugation of DNA with gold nanoparticles towards the spectrophotometric genosensing of pathogenic bacteria. <i>Analytical Methods</i> , 2019, 11, 4289-4298.	1.3	3
104	Revolution in biomedicine using emerging of picomaterials: A breakthrough on the future of medical diagnosis and therapy. <i>Biomedicine and Pharmacotherapy</i> , 2019, 120, 109484.	2.5	7
105	Synthesize of dendritic fibrous nano-silica functionalized by cysteine and its application as advanced adsorbent. <i>Nanocomposites</i> , 2019, 5, 104-113.	2.2	13
106	DNA-based bioassay of legionella pneumonia pathogen using gold nanostructure: A new platform for diagnosis of legionellosis. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 692-699.	3.6	21
107	Recent advances on the biosensing and bioimaging based on polymer dots as advanced nanomaterial: Analytical approaches. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 840-852.	5.8	30
108	Cell intrinsic hallmarks (Frequency and Bioelectrical potential) sensitive nano-carriers for cancer therapy: A lost option in research. <i>Biomedicine and Pharmacotherapy</i> , 2019, 117, 109081.	2.5	2

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109	Cetyltrimethyl ammonium bromide modified gold nanostructure supported by chitosan as a novel scaffold for immobilization of DNA and ultra-sensitive bioassay of Legionella pneumophila. <i>Microchemical Journal</i> , 2019, 149, 103961.	2.3	6
110	An innovative nucleic acid based biosensor toward detection of Legionella pneumophila using DNA immobilization and hybridization: A novel genosensor. <i>Microchemical Journal</i> , 2019, 148, 708-716.	2.3	25
111	Development of electrochemical biosensors for tumor marker determination towards cancer diagnosis: Recent progress. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 73-88.	5.8	108
112	The potential of nanomaterials in theranostics of oral squamous cell carcinoma: Recent progress. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 116, 167-176.	5.8	49
113	Bio-assay: The best alternative for conventional methods in detection of epidermal growth factor. <i>International Journal of Biological Macromolecules</i> , 2019, 133, 624-639.	3.6	10
114	Advanced nanomaterials towards biosensing of insulin: Analytical approaches. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 116, 1-12.	5.8	25
115	Highly sensitive and specific cytosensing of HT 29 colorectal cancer cells using folic acid functionalized-KCC-1 nanoparticles. <i>Biosensors and Bioelectronics</i> , 2019, 132, 122-131.	5.3	66
116	Sensitive detection of Trifluralin in untreated human plasma samples using reduced graphene oxide modified by polyethylene imine and silver nanoparticles: A new platform on the analysis of pesticides and chemical injuries. <i>Microchemical Journal</i> , 2019, 147, 741-748.	2.3	22
117	Immunosensing of breast cancer tumor protein CA 15-3 (carbohydrate antigen 15.3) using a novel nano-bioink: A new platform for screening of proteins in human biofluids by pen-on-paper technology. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 748-758.	3.6	22
118	Advances in detection of fastidious bacteria: From microscopic observation to molecular biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 113, 157-171.	5.8	65
119	An Fe ₃ O ₄ /PEDOT:PSS nanocomposite as an advanced electroconductive material for the biosensing of the prostate-specific antigen in unprocessed human plasma samples. <i>Analytical Methods</i> , 2019, 11, 5661-5672.	1.3	14
120	Immunosensing of prostate cancer in human plasma samples using immobilization of antibody on the surface of mesoporous silica-modified silver nanoparticles and its immunocomplex with prostate-specific antigen. <i>Analytical Methods</i> , 2019, 11, 6159-6167.	1.3	13
121	KCC-1-NH ₂ -DPA: an efficient heterogeneous recyclable nanocomposite for the catalytic synthesis of tetrahydropyridopyridines as a well-known organic scaffold in various bioactive derivatives. <i>Nanocomposites</i> , 2019, 5, 124-132.	2.2	16
122	Bioassays: The best alternative for conventional methods in detection of Legionella pneumophila. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 1295-1307.	3.6	18
123	Sensitive detection and determination of benzodiazepines using silver nanoparticles-N-GQDs ink modified electrode: A new platform for modern pharmaceutical analysis. <i>Microchemical Journal</i> , 2019, 145, 1050-1057.	2.3	36
124	Monitoring of five benzodiazepines using a novel polymeric interface prepared by layer by layer strategy. <i>Microchemical Journal</i> , 2019, 146, 121-125.	2.3	15
125	Ultrasensitive immunoassay of breast cancer type 1 susceptibility protein (BRCA1) using poly (dopamine-beta cyclodextrine-Cetyl trimethylammonium bromide) doped with silver nanoparticles: A new platform in early stage diagnosis of breast cancer and efficient management. <i>Microchemical Journal</i> , 2019, 145, 778-783.	2.3	32
126	Application of bioactive cyclic oligosaccharide on the detection of doxorubicin hydrochloride in unprocessed human plasma sample: A new platform towards efficient chemotherapy. <i>Microchemical Journal</i> , 2019, 145, 450-455.	2.3	32

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127	Cross-linked chitosan/thiolated graphene quantum dots as a biocompatible polysaccharide towards aptamer immobilization. <i>International Journal of Biological Macromolecules</i> , 2019, 123, 1091-1105.	3.6	40
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