

Mohammad Hasanzadeh

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

276
papers

6,422
citations

45
h-index

60
g-index

281
ext. papers

7,781
ext. citations

6.2
avg, IF

6.92
L-index

#	Paper	IF	Citations
276	Sensitive electrochemical recognition of β -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	2.6	
275	Sensitive immunosensing of β -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	3.7	2
274	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 , e2953	2.6	1
273	Sensitive recognition of Shiga toxin using biosensor technology: An efficient platform towards bioanalysis of pathogenic bacterial. <i>Microchemical Journal</i> , 2022 , 172, 106900	4.8	0
272	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	8.5	5
271	Environmental protection based on the nanobiosensing of bacterial lipopolysaccharides (LPSs): material and method overview.. <i>RSC Advances</i> , 2022 , 12, 9704-9724	3.7	0
270	Nanotechnology-assisted microfluidic systems platform for chemical and bioanalysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2022 , 116637	14.6	2
269	Sensitive recognition of prostate specific antigen using biotinylated antibody encapsulated on D-penicillamine decorated wrinkled silicate nanoparticles (WSN): An innovative sandwich type biosensor towards diagnosis of prostate cancer.. <i>Journal of Molecular Recognition</i> , 2022 , e2960	2.6	
268	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	3.7	0
267	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	3.7	9
266	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	2.6	2
265	Carbon-based aerogels for biomedical sensing: Advances toward designing the ideal sensor. <i>Advances in Colloid and Interface Science</i> , 2021 , 298, 102550	14.3	4
264	Chemical binding of molecular-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	2.6	1
263	Chemical binding of pyrrolidiny peptide nucleic acid (acpcPNA-T9) probe with AuNPs toward label-free monitoring of miRNA-21: A novel biosensing platform for biomedical analysis and POC diagnostics. <i>Journal of Molecular Recognition</i> , 2021 , 34, e2893	2.6	2
262	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	2.6	1
261	Synergizing Functional Nanomaterials with Aptamers Based on Electrochemical Strategies for Pesticide Detection: Current Status and Perspectives. <i>Critical Reviews in Analytical Chemistry</i> , 2021 , 1-28	5.2	9
260	Application of Advanced Nanomaterials for Kidney Failure Treatment and Regeneration. <i>Materials</i> , 2021 , 14,	3.5	7

259	Sensitive recognition of ractopamine using QQDs-DPA as organic fluorescent probe. <i>Journal of Molecular Recognition</i> , 2021 , 34, e2903	2.6	0
258	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	2.6	
257	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	4.8	7
256	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	2.6	5
255	Poly (amino acids) towards sensing: Recent progress and challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 140, 116279	14.6	5
254	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 <i>Nanosensors</i> , 2021 , 11, 167		2
253	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	2.6	5
252	Applications of advanced materials in bio-sensing in live cells: Methods and applications. <i>Materials Science and Engineering C</i> , 2021 , 121, 111691	8.3	3
251	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	3.5	3
250	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	3.5	4
249	Ultrasensitive fluorescence detection of antitumor drug methotrexate based on a terbium-doped silica dendritic probe. <i>Analytical Methods</i> , 2021 , 13, 4280-4289	3.2	1
248	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, 3914-3921	3.2	3
247	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	3.2	7
246	Architecture of a multi-channel and easy-to-make microfluidic paper-based colorimetric device (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, 27338-27358	3.7	9
245	Microfluidic biosensing of circulating tumor cells (CTCs): Recent progress and challenges in efficient diagnosis of cancer. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 134, 111153	7.5	16
244	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	6.6	6
243	Enzymatic recognition of hydrogen peroxide (H ₂ O ₂) in human plasma samples using HRP immobilized on the surface of poly(arginine-toluidine blue)- Fe ₃ O ₄ nanoparticles modified polydopamine; A novel biosensor. <i>Journal of Molecular Recognition</i> , 2021 , 34, e2928	2.6	6
242	Magneto-immunoassay of cancer biomarkers: Recent progress and challenges in biomedical analysis. <i>Microchemical Journal</i> , 2021 , 167, 106320	4.8	1

241	Sensitive identification of silibinin as anticancer drug in human plasma samples using poly (ECD)-AgNPs: A new platform towards efficient clinical pharmacotherapy. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 140, 111763	7.5	1
240	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	4.8	1
239	Providing multicolor plasmonic patterns with graphene quantum dots functionalized d-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	2.6	1
238	Biomedical application of hyperbranched polymers: Recent Advances and challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 142, 116308	14.6	17
237	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	2.6	1
236	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 (PADs) colorimetric sensing platform. <i>Journal of Molecular Liquids</i> , 2021 , 338, 117020	6	6
235	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	7.5	9
234	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	4.8	5
233	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 (PADs) device: Multicolor plasmonic patterns. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 106197	6.8	4
232	Glycoprotein-based bioimaging of HeLa cancer cells by folate receptor and folate decorated graphene quantum dots. <i>Microchemical Journal</i> , 2021 , 170, 106732	4.8	5
231	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	4.8	2
230	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	3.2	10
229	Chemical binding of horseradish peroxidase enzyme with poly beta-cyclodextrin and its application as molecularly imprinted polymer for the monitoring of H ₂ O ₂ in human plasma samples. <i>Journal of Molecular Recognition</i> , 2021 , 34, e2884	2.6	7
228	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> , 2021 , e2945	2.6	0
227	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	7.5	13
226	Recent Progress on the Electrochemical Biosensing of O157:H7: Material and Methods Overview. <i>Biosensors</i> , 2020 , 10,	5.9	9
225	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	7.9	11
224	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	3.6	11

223	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	3.5	13
222	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	14.6	19
221	A novel optical probe based on d-penicillamine-functionalized graphene quantum dots: Preparation and application as signal amplification element to minoring of ions in human biofluid. <i>Journal of Molecular Recognition</i> , 2020 , 33, e2828	2.6	7
220	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	3.2	23
219	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	2.6	10
218	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	3.2	5
217	Binding of pDNA with cDNA using hybridization strategy towards monitoring of Haemophilus influenza genome in human plasma samples. <i>International Journal of Biological Macromolecules</i> , 2020 , 150, 218-227	7.9	6
216	Electrochemical paper-based analytical devices (ePADs) toward biosensing: recent advances and challenges in bioanalysis. <i>Analytical Methods</i> , 2020 , 12, 1398-1414	3.2	21
215	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	2.6	4
214	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	3.4	13
213	Iron oxide magnetic nanoparticles supported on amino propyl-functionalized KCC-1 as robust recyclable catalyst for one pot and green synthesis of tetrahydrodipyrzopyridines and cytotoxicity evaluation. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5440	3.1	11
212	Binding of Leishmania spp 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	2.6	9
211	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	3.5	5
210	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	3.2	2
209	Lab-on-fruit skin and lab-on-leaf towards recognition of trifluralin using Ag-citrate/GQDs nanocomposite stabilized on the flexible substrate: A new platform for the electroanalysis of herbicides using direct writing of nano-inks and pen-on paper technology. <i>Heliyon</i> , 2020 , 6, e05779	3.6	10
208	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	3.2	3
207	Biomedical analysis of exosomes using biosensing methods: recent progress. <i>Analytical Methods</i> , 2020 , 12, 2795-2811	3.2	19
206	KCC-1 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	3.1	6

205	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	4.8	20
204	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	7.5	8
203	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	7.5	7
202	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	3.2	12
201	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	3.5	12
200	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	3.5	14
199	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	14.6	21
198	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	8.3	10
197	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	4.6	4
196	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	2.6	9
195	Bio-assay of Acintobacter baumannii using DNA conjugated with gold nano-star: A new platform for microorganism analysis. <i>Enzyme and Microbial Technology</i> , 2020 , 133, 109466	3.8	9
194	Sensitive monitoring of riboflavin in commercial multivitamins using poly (chitosan)-based nanocomposite. <i>Journal of Molecular Recognition</i> , 2020 , 33, e2817	2.6	3
193	An innovative genosensor for the monitoring of sequence using binding of pDNA to cDNA based on Cit-AgNPs. <i>Heliyon</i> , 2020 , 6, e04638	3.6	5
192	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	7.5	5
191	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	7.5	13
190	Biomedical applications of dendritic fibrous nanosilica (DFNS): recent progress and challenges.. <i>RSC Advances</i> , 2020 , 10, 37116-37133	3.7	10
189	Biosensing based on field-effect transistors (FET): Recent progress and challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 133, 116067	14.6	58
188	Efficient removal of digoxin from aqueous solution using magnetic nanocomposite (Fe ₃ O ₄ @GO@BO ₃ H) as an advanced nano-absorbent. <i>Nanocomposites</i> , 2020 , 6, 66-75	3.4	4

187	Aptamer based recognition of cancer cells: Recent progress and challenges in bioanalysis. <i>Talanta</i> , 2020 , 220, 121436	6.2	20
186	DNA based biosensing of using nanoparticles aggregation method. <i>Heliyon</i> , 2020 , 6, e04474	3.6	6
185	Multiplex bioassaying of cancer proteins and biomacromolecules: Nanotechnological, structural and technical perspectives. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 3020-3039	7.9	6
184	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	7.5	13
183	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	3.2	14
182	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	2.6	1
181	Biosensing of prostate specific antigen (PSA) in human plasma samples using biomacromolecule encapsulation into KCC-1-npr-NH: A new platform for prostate cancer detection. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 584-595	7.9	4
180	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	7.5	3
179	Synthesize of dendritic fibrous nano-silica functionalized by cysteine and its application as advanced adsorbent. <i>Nanocomposites</i> , 2019 , 5, 104-113	3.4	9
178	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	7.9	16
177	Nanomaterials for Use in Apta-Assays 2019 , 243-271		1
176	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	14.6	19
175	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	7.5	2
174	Cetyltrimethyl ammonium bromide modified gold nanostructure supported by chitosan as a novel scaffold for immobilization of DNA and ultra-sensitive bioassay of <i>Legionella pneumophila</i> . <i>Microchemical Journal</i> , 2019 , 149, 103961	4.8	5
173	An innovative nucleic acid based biosensor toward detection of <i>Legionella pneumophila</i> using DNA immobilization and hybridization: A novel genosensor. <i>Microchemical Journal</i> , 2019 , 148, 708-716	4.8	15
172	Development of electrochemical biosensors for tumor marker determination towards cancer diagnosis: Recent progress. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 118, 73-88	14.6	70
171	The potential of nanomaterials in theranostics of oral squamous cell carcinoma: Recent progress. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 116, 167-176	14.6	29
170	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	7.9	7

169	Advanced nanomaterials towards biosensing of insulin: Analytical approaches. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 116, 1-12	14.6	13
168	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	11.8	50
167	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	4.8	20
166	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	7.9	15
165	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	7.9	4
164	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	3.2	4
163	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 (PAD). <i>International Journal of Biological Macromolecules</i> , 2019 , 138, 744-754	7.9	30
162	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	3.2	22
161	Recent advances on the DNA-based electrochemical biosensing of cancer biomarkers: Analytical approach. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 119, 115609	14.6	37
160	The bioconjugation of DNA with gold nanoparticles towards the spectrophotometric genosensing of pathogenic bacteria. <i>Analytical Methods</i> , 2019 , 11, 4289-4298	3.2	3
159	Electrochemical determination of malondialdehyde biomarker in exhaled breath condensate using poly arginine functionalized by graphene quantum dots and chitosan. <i>Medical Journal of Tabriz University of Medical Sciences & Health Services</i> , 2019 , 41, 85-94	0	
158	Advances in detection of fastidious bacteria: From microscopic observation to molecular biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 113, 157-171	14.6	43
157	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	3.2	11
156	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	3.2	9
155	KCC-1-NH ₂ -DPA: an efficient heterogeneous recyclable nanocomposite for the catalytic synthesis of tetrahydrodipyrzolo-pyridines as a well-known organic scaffold in various bioactive derivatives. <i>Nanocomposites</i> , 2019 , 5, 124-132	3.4	12
154	Bioassays: The best alternative for conventional methods in detection of Legionella pneumophila. <i>International Journal of Biological Macromolecules</i> , 2019 , 121, 1295-1307	7.9	14
153	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	4.8	25
152	Monitoring of five benzodiazepines using a novel polymeric interface prepared by layer by layer strategy. <i>Microchemical Journal</i> , 2019 , 146, 121-125	4.8	10

151	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	4.8	12
150	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	4.8	24
149	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	7.9	34
148	Ultrasensitive bioassay of epitope of Mucin-16 protein (CA 125) in human plasma samples using a novel immunoassay based on silver conductive nano-ink: A new platform in early stage diagnosis of ovarian cancer and efficient management. <i>International Journal of Biological Macromolecules</i> , 2019 , 123, 1075-1085	7.9	29
147	A novel paper based immunoassay of breast cancer specific carbohydrate (CA 15.3) using silver nanoparticles-reduced graphene oxide nano-ink technology: A new platform to construction of microfluidic paper-based analytical devices (PADs) towards biomedical analysis. <i>Microchemical Journal</i> , 2019 , 146, 345-358	4.8	36
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144	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	7.9	36
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7	Kinetic Study of the Electro-Catalytic Oxidation of Acetaldehyde on Copper Electrode. <i>Journal of the Chinese Chemical Society</i> , 2009 , 56, 554-560	1.5	3
6	Electro-oxidation of ascorbic acid catalyzed on cobalt hydroxide-modified glassy carbon electrode. <i>Journal of the Serbian Chemical Society</i> , 2009 , 74, 581-593	0.9	28
5	Kinetic Study of the Electro-Catalytic Oxidation of Hydrazine on Cobalt Hydroxide Modified Glassy Carbon Electrode. <i>Chinese Journal of Chemistry</i> , 2009 , 27, 638-644	4.9	21
4	Cobalt hydroxide nanoparticles modified glassy carbon electrode as a biosensor for electrooxidation and determination of some amino acids. <i>Analytical Biochemistry</i> , 2009 , 389, 130-7	3.1	52
3	Electro-oxidation of Cyclohexanol on a Copper Electrode Modified by Copper-dimethylglyoxime Complex Formed by Electrochemical Synthesis. <i>Bulletin of the Korean Chemical Society</i> , 2009 , 30, 2943-2948	1.2	3
2	Kinetic Study of the Electrooxidation of Mefenamic Acid and Indomethacin Catalysed on Cobalt Hydroxide Modified Glassy Carbon Electrode. <i>Bulletin of the Korean Chemical Society</i> , 2009 , 30, 1341-1348	1.2	24
1	A study of the electrocatalytic oxidation of cyclohexanol on copper electrode. <i>Catalysis Communications</i> , 2008 , 10, 295-299	3.2	25