

Mohammad Hasanzadeh

List of Publications by Year in descending order

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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	Nanomaterial-based biosensors for detection of pathogenic virus. TrAC - Trends in Analytical Chemistry, 2017, 97, 445-457.	5.8	230
2	Anti-bacterial activity of graphene oxide as a new weapon nanomaterial to combat multidrug-resistance bacteria. Materials Science and Engineering C, 2017, 74, 568-581.	3.8	193
3	Iron and iron-oxide magnetic nanoparticles as signal-amplification elements in electrochemical biosensing. TrAC - Trends in Analytical Chemistry, 2015, 72, 1-9.	5.8	178
4	Biosensing based on field-effect transistors (FET): Recent progress and challenges. TrAC - Trends in Analytical Chemistry, 2020, 133, 116067.	5.8	138
5	Mesoporous silica-based materials for use in biosensors. TrAC - Trends in Analytical Chemistry, 2012, 33, 117-129.	5.8	127
6	Bone tissue engineering using silica-based mesoporous nanobiomaterials:Recent progress. Materials Science and Engineering C, 2015, 55, 401-409.	3.8	118
7	Graphene and its nanostructure derivatives for use in bone tissue engineering: Recent advances. Journal of Biomedical Materials Research - Part A, 2016, 104, 1250-1275.	2.1	117
8	Early stage screening of breast cancer using electrochemical biomarker detection. TrAC - Trends in Analytical Chemistry, 2017, 91, 67-76.	5.8	116
9	Graphene quantum dot modified glassy carbon electrode for the determination of doxorubicin hydrochloride in human plasma. Journal of Pharmaceutical Analysis, 2016, 6, 235-241.	2.4	113
10	Development of electrochemical biosensors for tumor marker determination towards cancer diagnosis: Recent progress. TrAC - Trends in Analytical Chemistry, 2019, 118, 73-88.	5.8	108
11	The promising future of nano-antioxidant therapy against environmental pollutants induced-toxicities. Biomedicine and Pharmacotherapy, 2018, 103, 1018-1027.	2.5	97
12	Nanomaterials for use in immunosensing of carcinoembryonic antigen (CEA): Recent advances. TrAC - Trends in Analytical Chemistry, 2017, 86, 185-205.	5.8	94
13	Peptide based biosensors. TrAC - Trends in Analytical Chemistry, 2018, 107, 1-20.	5.8	93
14	Poly arginine-graphene quantum dots as a biocompatible and non-toxic nanocomposite: Layer-by-layer electrochemical preparation, characterization and non-invasive malondialdehyde sensory application in exhaled breath condensate. Materials Science and Engineering C, 2017, 75, 247-258.	3.8	91
15	Recent advances on aptamer-based biosensors to detection of platelet-derived growth factor. Biosensors and Bioelectronics, 2018, 113, 58-71.	5.3	90
16	A new kineticâ€mechanistic approach to elucidate electrooxidation of doxorubicin hydrochloride in unprocessed human fluids using magnetic graphene based nanocomposite modified glassy carbon electrode. Materials Science and Engineering C, 2016, 61, 638-650.	3.8	86
17	Aptamer-based assay of biomolecules: Recent advances in electro-analytical approach. TrAC - Trends in Analytical Chemistry, 2017, 89, 119-132.	5.8	85
18	Nano-materials for use in sensing of salmonella infections: Recent advances. Biosensors and Bioelectronics, 2017, 87, 1050-1064.	5.3	84

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19	Graphene based scaffolds on bone tissue engineering. <i>Bioengineered</i> , 2018, 9, 38-47.	1.4	84
20	Targeting and sensing of some cancer cells using folate bioreceptor functionalized nitrogen-doped graphene quantum dots. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1021-1034.	3.6	82
21	Current advancement in electrochemical analysis of neurotransmitters in biological fluids. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 86, 107-121.	5.8	78
22	An innovative immunosensor for ultrasensitive detection of breast cancer specific carbohydrate (CA) Tj ETQq0 0 0 rgBT /Overlock 10 Tf electrochemically assembled onto thiolated graphene quantum dots. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 1008-1017.	3.6	76
23	Advanced nanomaterials for use in electrochemical and optical immunoassays of carcinoembryonic antigen. A review. <i>Mikrochimica Acta</i> , 2017, 184, 389-414.	2.5	74
24	Graphene quantum dots decorated with magnetic nanoparticles: Synthesis, electrodeposition, characterization and application as an electrochemical sensor towards determination of some amino acids at physiological pH. <i>Materials Science and Engineering C</i> , 2016, 68, 814-830.	3.8	73
25	Mesoporous silica-based materials for use in electrochemical enzyme nanobiosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 40, 106-118.	5.8	70
26	Mesoporous silica materials for use in electrochemical immunosensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 45, 93-106.	5.8	69
27	Electrochemical nanobiosensing in whole blood: Recent advances. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 80, 167-176.	5.8	69
28	Dendrimer-encapsulated and cored metal nanoparticles for electrochemical nanobiosensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 53, 137-149.	5.8	68
29	Pharmacogenomic study using bio- and nanobioelectrochemistry: Drugâ€™DNA interaction. <i>Materials Science and Engineering C</i> , 2016, 61, 1002-1017.	3.8	68
30	Probing the specific binding of folic acid to folate receptor using amino-functionalized mesoporous silica nanoparticles for differentiation of MCF 7 tumoral cells from MCF 10A. <i>Biosensors and Bioelectronics</i> , 2018, 115, 61-69.	5.3	66
31	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
32	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
33	Ultrasensitive electrochemical immunosensing of tumor suppressor protein p53 in unprocessed human plasma and cell lysates using a novel nanocomposite based on poly-cysteine/graphene quantum dots/gold nanoparticle. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1348-1363.	3.6	63
34	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
35	Polystyreneâ€™graphene oxide modified glassy carbon electrode as a new class of polymeric nanosensors for electrochemical determination of histamine. <i>Chinese Chemical Letters</i> , 2014, 25, 655-658.	4.8	62
36	Highly sensitive immunosensing of prostate specific antigen using poly cysteine capped by graphene quantum dots and gold nanoparticle: A novel signal amplification strategy. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 522-532.	3.6	61

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37	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
38	Electrochemical nano-immunosensing of effective cardiac biomarkers for acute myocardial infarction. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 49, 20-30.	5.8	60
39	Two dimension (2-D) graphene-based nanomaterials as signal amplification elements in electrochemical microfluidic immune-devices: Recent advances. <i>Materials Science and Engineering C</i> , 2016, 68, 482-493.	3.8	60
40	Aptamer based assay of plated-derived grow factor in unprocessed human plasma sample and MCF-7 breast cancer cell lysates using gold nanoparticle supported β -cyclodextrin. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 69-80.	3.6	60
41	Recent trends in rapid detection of influenza infections by bio and nanobiosensor. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 98, 201-215.	5.8	60
42	Immunosensing of breast cancer prognostic marker in adenocarcinoma cell lysates and unprocessed human plasma samples using gold nanostructure coated on organic substrate. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1082-1089.	3.6	58
43	Biomedical application of hyperbranched polymers: Recent Advances and challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 142, 116308.	5.8	58
44	Cobalt hydroxide nanoparticles modified glassy carbon electrode as a biosensor for electrooxidation and determination of some amino acids. <i>Analytical Biochemistry</i> , 2009, 389, 130-137.	1.1	57
45	Ensuring food safety using aptamer based assays: Electroanalytical approach. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 94, 77-94.	5.8	57
46	Mesoporous silica (MCM-41)-Fe ₂ O ₃ as a novel magnetic nanosensor for determination of trace amounts of amino acids. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 108, 52-59.	2.5	56
47	Sensing of doxorubicin hydrochloride using graphene quantum dot modified glassy carbon electrode. <i>Journal of Molecular Liquids</i> , 2016, 221, 354-357.	2.3	55
48	What are the reasons for low use of graphene quantum dots in immunosensing of cancer biomarkers?. <i>Materials Science and Engineering C</i> , 2017, 71, 1313-1326.	3.8	55
49	Proline dehydrogenase-entrapped mesoporous magnetic silica nanomaterial for electrochemical biosensing of L-proline in biological fluids. <i>Enzyme and Microbial Technology</i> , 2017, 105, 64-76.	1.6	55
50	(Fe ₃ O ₄)-graphene oxide as a novel magnetic nanomaterial for non-enzymatic determination of phenylalanine. <i>Materials Science and Engineering C</i> , 2013, 33, 4624-4632.	3.8	54
51	Electrochemical behavior of atenolol, carvedilol and propranolol on copper-oxide nanoparticles. <i>Electrochimica Acta</i> , 2011, 58, 336-347.	2.6	53
52	A novel electroanalytical method for simultaneous detection of two neurotransmitter dopamine and serotonin in human serum. <i>Journal of Neuroscience Methods</i> , 2013, 219, 52-60.	1.3	53
53	Current advancement on diagnosis of ovarian cancer using biosensing of CA 125 biomarker: Analytical approaches. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 108, 1-12.	5.8	53
54	Poly (amino acids) towards sensing: Recent progress and challenges. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 140, 116279.	5.8	53

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55	Electrochemical sensing of doxorubicin in unprocessed whole blood, cell lysate, and human plasma samples using thin film of poly-arginine modified glassy carbon electrode. <i>Materials Science and Engineering C</i> , 2017, 77, 790-802.	3.8	52
56	Ultrasensitive immunoassay of carcinoma antigen 125 in untreated human plasma samples using gold nanoparticles with flower like morphology: A new platform in early stage diagnosis of ovarian cancer and efficient management. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 913-925.	3.6	52
57	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 (μ PADs) towards biomedical analysis. <i>Microchemical Journal</i> , 2019, 146, 345-358.	2.3	52
58	Poly-dopamine-beta-cyclodextrin: A novel nanobiopolymer towards sensing of some amino acids at physiological pH. <i>Materials Science and Engineering C</i> , 2016, 69, 343-357.	3.8	51
59	Integration of β -cyclodextrin into graphene quantum dot nano-structure and its application towards detection of Vitamin C at physiological pH: A new electrochemical approach. <i>Materials Science and Engineering C</i> , 2016, 67, 666-674.	3.8	51
60	Ag/polyaniline nanocomposites: Synthesize, characterization, and application to the detection of dopamine and tyrosine. <i>Journal of Applied Polymer Science</i> , 2013, 130, 2780-2789.	1.3	50
61	Electrochemical biosensing using hydrogel nanoparticles. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 62, 11-19.	5.8	50
62	An innovative immunosensor for detection of tumor suppressor protein p53 in unprocessed human plasma and cancer cell lysates. <i>International Journal of Biological Macromolecules</i> , 2017, 105, 1337-1348.	3.6	50
63	(\pm -Fe ₂ O ₃)-MCM-41-SO ₃ H as a novel magnetic nanocatalyst for the synthesis of N-aryl-2-amino-1,6-naphthyridine derivatives. <i>Catalysis Communications</i> , 2012, 25, 83-91.	1.6	49
64	Graphene quantum dot functionalized by chitosan and beta-cyclodextrin as a new support nanocomposite material for efficient methanol electrooxidation. <i>Journal of Alloys and Compounds</i> , 2016, 688, 171-186.	2.8	49
65	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
66	Aptamer based recognition of cancer cells: Recent progress and challenges in bioanalysis. <i>Talanta</i> , 2020, 220, 121436.	2.9	49
67	Preparation of a new electrochemical sensor based on iron (III) complexes modified carbon paste electrode for simultaneous determination of mefenamic acid and indomethacin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 91-97.	2.5	48
68	Recent advances in nanostructures and nanocrystals as signal-amplification elements in electrochemical cytosensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2015, 72, 123-140.	5.8	48
69	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 (μ PAD). <i>International Journal of Biological Macromolecules</i> , 2019, 138, 744-754.	3.6	48
70	Electrochemical and photoelectrochemical nano-immunesensing using origami paper based method. <i>Materials Science and Engineering C</i> , 2016, 61, 979-1001.	3.8	46
71	Aptamer-based assay for monitoring genetic disorder phenylketonuria (PKU). <i>International Journal of Biological Macromolecules</i> , 2018, 116, 735-743.	3.6	46
72	Electrochemical biosensing using N-GQDs: Recent advances in analytical approach. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 105, 484-491.	5.8	46

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73	Graphene quantum dot as an electrically conductive material toward low potential detection: a new platform for interface science. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 6488-6495.	1.1	45
74	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
75	Deposition of new thia-containing Schiff-base iron (III) complexes onto carbon nanotube-modified glassy carbon electrodes as a biosensor for electrooxidation and determination of amino acids. <i>Electrochimica Acta</i> , 2011, 56, 1051-1061.	2.6	43
76	Room-temperature ionic liquid-based electrochemical nanobiosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 41, 58-74.	5.8	43
77	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, 126, 1255-1265.	3.6	43
78	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
79	Ni(OH) ₂ and NiO Nanostructures: Synthesis, Characterization and Electrochemical Performance. <i>Bulletin of the Korean Chemical Society</i> , 2012, 33, 2613-2618.	1.0	43
80	Electrochemical monitoring of aflatoxin M ₁ in milk samples using silver nanoparticles dispersed on β -cyclodextrin-GQD's nanocomposite. <i>Journal of Molecular Recognition</i> , 2018, 31, e2699.	1.1	42
81	(Fe ₃ O ₄)@Graphene Oxide-SO ₃ H as a New Magnetic Nanocatalyst for Electro-Oxidation and Determination of Selected Parabens. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 4909-4916.	0.9	41
82	Electrochemical quantification of some water soluble vitamins in commercial multi-vitamin using poly-amino acid capped by graphene quantum dots nanocomposite as dual signal amplification elements. <i>Analytical Biochemistry</i> , 2017, 539, 70-80.	1.1	41
83	Determination of aflatoxin M ₁ 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
84	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
85	Biomedical analysis of exosomes using biosensing methods: recent progress. <i>Analytical Methods</i> , 2020, 12, 2795-2811.	1.3	39
86	Determination of lisinopril using β -cyclodextrin/graphene oxide-SO ₃ H modified glassy carbon electrode. <i>Journal of Applied Electrochemistry</i> , 2014, 44, 821-830.	1.5	38
87	Silica-based mesoporous nanobiomaterials as promoter of bone regeneration process. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 3703-3716.	2.1	38
88	Current advancement in immunosensing of p53 tumor suppressor protein based on nanomaterials: Analytical approach. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 89, 13-20.	5.8	38
89	Non-invasive diagnosis of oral cancer: The role of electro-analytical methods and nanomaterials. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 91, 125-137.	5.8	38
90	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

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91	Kinetic study of electrocatalytic oxidation of carbohydrates on cobalt hydroxide modified glassy carbon electrode. <i>Journal of the Brazilian Chemical Society</i> , 2009, 20, 141-151.	0.6	36
92	A New Kineticâ€Mechanistic Approach to Elucidate Formaldehyde Electrooxidation on Copper Electrode. <i>Electroanalysis</i> , 2010, 22, 168-176.	1.5	36
93	Aptamer-based Biosensor for Detection of Phenylalanine at Physiological pH. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 2070-2080.	1.4	36
94	Ultrasensitive immunoassay of glycoprotein 125 (CA 125) in untreated human plasma samples using poly (CTABâ€chitosan) doped with silver nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 2048-2064.	3.6	36
95	Sensitive detection and determination of benzodiazepines using silver nanoparticles-N-QDs ink modified electrode: A new platform for modern pharmaceutical analysis. <i>Microchemical Journal</i> , 2019, 145, 1050-1057.	2.3	36
96	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
97	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.	0.4	35
98	Solvothermal synthesis of Cd(OH) ₂ and CdO nanocrystals and application as a new electrochemical sensor for simultaneous determination of norfloxacin and lomefloxacin. <i>Superlattices and Microstructures</i> , 2012, 52, 885-893.	1.4	35
99	Early stage diagnosis of programmed cell death (apoptosis) using electroanalysis: Nanomaterial and methods overview. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 93, 199-211.	5.8	35
100	Ultrasensitive immunoassay of tumor protein CA 15.3 in MCF-7 breast cancer cell lysates and unprocessed human plasma using gold nanoparticles doped on the structure of mesoporous silica. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 2493-2508.	3.6	35
101	MCM-41-NH ₂ as an advanced nanocatalyst for electrooxidation and determination of amino acids. <i>Catalysis Communications</i> , 2012, 19, 21-27.	1.6	34
102	Materials and methods of signal enhancement for spectroscopic whole blood analysis: Novel research overview. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 86, 122-142.	5.8	34
103	Diagnosis of hepatitis via nanomaterial-based electrochemical, optical or piezoelectrical biosensors: a review on recent advancements. <i>Mikrochimica Acta</i> , 2018, 185, 568.	2.5	34
104	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
105	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
106	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
107	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.	1.0	33
108	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

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109	Probing the antigen-antibody interaction towards ultrasensitive recognition of cancer biomarker in adenocarcinoma cell lysates using layer-by-layer assembled silver nano-cubics with porous structure on cysteamine capped GQDs. <i>Microchemical Journal</i> , 2018, 143, 379-392.	2.3	32
110	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
111	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
112	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
113	Nanotechnology-assisted microfluidic systems for chemical sensing, biosensing, and bioanalysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 152, 116637.	5.8	32
114	Å-Cyclodextrin/graphene oxide grafted sulfonic acid: Application for electro-oxidation and determination of cadaverine in fish samples. <i>Journal of Electroanalytical Chemistry</i> , 2014, 714-715, 79-84.	1.9	31
115	Effect of pyrite content of feed and configuration of locked particles on rougher flotation of copper in low and high pyritic ore types. <i>International Journal of Mining Science and Technology</i> , 2018, 28, 167-176.	4.6	31
116	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
117	Magnetic nanoparticles incorporated on functionalized mesoporous silica: an advanced electrochemical sensor for simultaneous determination of amiodarone and atenolol. <i>RSC Advances</i> , 2014, 4, 4710-4717.	1.7	30
118	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
119	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
120	Kinetic Study of the ElectroCatalytic Oxidation of Hydrazine on Cobalt Hydroxide Modified Glassy Carbon Electrode. <i>Chinese Journal of Chemistry</i> , 2009, 27, 638-644.	2.6	29
121	Optical immunosensing of effective cardiac biomarkers on acute myocardial infarction. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 51, 158-168.	5.8	29
122	An overview on molecular chaperones enhancing solubility of expressed recombinant proteins with correct folding. <i>International Journal of Biological Macromolecules</i> , 2017, 102, 367-375.	3.6	29
123	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
124	Recent Progress on the Electrochemical Biosensing of Escherichia coli O157:H7: Material and Methods Overview. <i>Biosensors</i> , 2020, 10, 54.	2.3	29
125	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
126	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

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127	A study of the electrocatalytic oxidation of cyclohexanol on copper electrode. <i>Catalysis Communications</i> , 2008, 10, 295-299.	1.6	28
128	Biomedical applications of dendritic fibrous nanosilica (DFNS): recent progress and challenges. <i>RSC Advances</i> , 2020, 10, 37116-37133.	1.7	28
129	Iron oxide magnetic nanoparticles supported on amino propyl functionalized KCCl as robust recyclable catalyst for one pot and green synthesis of tetrahydrodipyrzolo-pyridines and cytotoxicity evaluation. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5440.	1.7	28
130	Application of Advanced Nanomaterials for Kidney Failure Treatment and Regeneration. <i>Materials</i> , 2021, 14, 2939.	1.3	28
131	Electropolymerization of taurine on gold surface and its sensory application for determination of captopril in undiluted human serum. <i>Materials Science and Engineering C</i> , 2014, 38, 197-205.	3.8	27
132	Electrodeposition of taurine on gold surface and electro-oxidation of malondialdehyde. <i>Surface Engineering</i> , 2015, 31, 194-201.	1.1	27
133	Graphene quantum dot functionalized by chitosan as an electrically conductive nano-material toward low potential detection: a new platform for interface science. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 11834-11843.	1.1	27
134	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
135	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
136	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
137	A verapamil electrochemical sensor based on magnetic mobile crystalline material-41 grafted by sulfonic acid. <i>Electrochimica Acta</i> , 2013, 89, 660-668.	2.6	26
138	Immobilization of phenylalanine-dehydrogenase on nano-sized polytaurine: A new platform for application of nano-polymeric materials on enzymatic biosensing technology. <i>Materials Science and Engineering C</i> , 2014, 42, 368-373.	3.8	26
139	(Nano)-materials and methods of signal enhancement for genosensing of p53 tumor suppressor protein: Novel research overview. <i>Materials Science and Engineering C</i> , 2017, 76, 1424-1439.	3.8	26
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