

Ahad Mokhtarzadeh

List of Publications by Citations

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195
papers

4,756
citations

41
h-index

57
g-index

209
ext. papers

6,431
ext. citations

7.2
avg, IF

6.44
L-index

#	Paper	IF	Citations
195	Carbon based nanomaterials for tissue engineering of bone: Building new bone on small black scaffolds: A review. <i>Journal of Advanced Research</i> , 2019 , 18, 185-201	13	173
194	Nanomaterial-based biosensors for detection of pathogenic virus. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 97, 445-457	14.6	148
193	Anti-bacterial activity of graphene oxide as a new weapon nanomaterial to combat multidrug-resistance bacteria. <i>Materials Science and Engineering C</i> , 2017 , 74, 568-581	8.3	145
192	Nanomaterial-based cocaine aptasensors. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 95-106	11.8	93
191	Targeted cancer therapy through antibody fragments-decorated nanomedicines. <i>Journal of Controlled Release</i> , 2017 , 268, 323-334	11.7	92
190	In vitro and in vivo evaluation of anti-nucleolin-targeted magnetic PLGA nanoparticles loaded with doxorubicin as a theranostic agent for enhanced targeted cancer imaging and therapy. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017 , 113, 60-74	5.7	89
189	Recent advances in the application of mesoporous silica-based nanomaterials for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2020 , 107, 110267	8.3	84
188	An Overview on SARS-CoV-2 (COVID-19) and Other Human Coronaviruses and Their Detection Capability via Amplification Assay, Chemical Sensing, Biosensing, Immunosensing, and Clinical Assays. <i>Nano-Micro Letters</i> , 2021 , 13, 18	19.5	79
187	Aptasensors as a new sensing technology developed for the detection of MUC1 mucin: A review. <i>Biosensors and Bioelectronics</i> , 2019 , 130, 1-19	11.8	77
186	Recent advances on thermosensitive and pH-sensitive liposomes employed in controlled release. <i>Journal of Controlled Release</i> , 2019 , 315, 1-22	11.7	76
185	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. <i>Materials Science and Engineering C</i> , 2017 , 75, 247-258	8.3	68
184	Bacterial-derived biopolymers: Advanced natural nanomaterials for drug delivery and tissue engineering. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 82, 367-384	14.6	68
183	Nano-materials for use in sensing of salmonella infections: Recent advances. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 1050-1064	11.8	66
182	Recent advances in Nanomaterial-mediated Bio and immune sensors for detection of aflatoxin in food products. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 87, 112-128	14.6	65
181	Recent advances on nanomaterial based electrochemical and optical aptasensors for detection of cancer biomarkers. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 100, 103-115	14.6	62
180	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	8.3	62
179	Recent advances on biocompatible and biodegradable nanoparticles as gene carriers. <i>Expert Opinion on Biological Therapy</i> , 2016 , 16, 771-85	5.4	62

178	microRNAs in cancer stem cells: Biology, pathways, and therapeutic opportunities. <i>Journal of Cellular Physiology</i> , 2019 , 234, 10002-10017	7	62
177	Comparison of DNA and mRNA vaccines against cancer. <i>Drug Discovery Today</i> , 2020 , 25, 552-560	8.8	60
176	Recent advances on application of peptide nucleic acids as a bioreceptor in biosensors development. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 114, 56-68	14.6	59
175	Recent advances on aptamer-based biosensors to detection of platelet-derived growth factor. <i>Biosensors and Bioelectronics</i> , 2018 , 113, 58-71	11.8	58
174	Recent advancements in structural improvements of lateral flow assays towards point-of-care testing. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 116, 13-30	14.6	57
173	An innovative immunosensor for ultrasensitive detection of breast cancer specific carbohydrate (CA 15-3) in unprocessed human plasma and MCF-7 breast cancer cell lysates using gold nanoparticle electrochemically assembled onto thiolated graphene quantum dots. <i>International Journal of Biological Macromolecules</i> , 2018 , 114, 1808-1817	7.9	57
172	Ethambutol-Loaded Solid Lipid Nanoparticles as Dry Powder Inhalable Formulation for Tuberculosis Therapy. <i>AAPS PharmSciTech</i> , 2019 , 20, 120	3.9	56
171	Biodegradable nano-polymers as delivery vehicles for therapeutic small non-coding ribonucleic acids. <i>Journal of Controlled Release</i> , 2017 , 245, 116-126	11.7	56
170	Recent advances in co-delivery systems based on polymeric nanoparticle for cancer treatment. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 1095-1110	6.1	55
169	Dengue virus: a review on advances in detection and trends - from conventional methods to novel biosensors. <i>Mikrochimica Acta</i> , 2019 , 186, 329	5.8	54
168	Recent advances in nanotechnology-based drug delivery systems for the kidney. <i>Journal of Controlled Release</i> , 2020 , 321, 442-462	11.7	54
167	Synthetic and Biological Vesicular Nano-Carriers Designed for Gene Delivery. <i>Current Pharmaceutical Design</i> , 2015 , 21, 6214-35	3.3	52
166	Aptamer based assay of platelet-derived growth 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	7.9	51
165	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	7.9	48
164	Immune Cell Membrane-Coated Biomimetic Nanoparticles for Targeted Cancer Therapy. <i>Small</i> , 2021 , 17, e2006484	11	47
163	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	7.9	45
162	Aptamers as smart ligands for nano-carriers targeting. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 82, 316-327	14.6	44
161	Identification of possible cytotoxicity mechanism of polyethylenimine by proteomics analysis. <i>Human and Experimental Toxicology</i> , 2016 , 35, 377-87	3.4	43

160	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	8.3	43
159	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
158	Recent trends in rapid detection of influenza infections by bio and nanobiosensor. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 98, 201-215	14.6	43
157	Recent progress in optical and electrochemical biosensors for sensing of Clostridium botulinum neurotoxin. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 103, 184-197	14.6	42
156	MicroRNAs in cancer drug resistance: Basic evidence and clinical applications. <i>Journal of Cellular Physiology</i> , 2019 , 234, 2152-2168	7	42
155	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	7.9	42
154	Hydrogel-Based 3D Bioprinting for Bone and Cartilage Tissue Engineering. <i>Biotechnology Journal</i> , 2020 , 15, e2000095	5.6	40
153	Metal-based nanoparticles for bone tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020 , 14, 1687-1714	4.4	40
152	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, 343-57	8.3	40
151	Evaluation of anti-cancer activity of PLGA nanoparticles containing crocetin. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017 , 45, 955-960	6.1	39
150	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	3.8	39
149	Silibinin to improve cancer therapeutic, as an apoptotic inducer, autophagy modulator, cell cycle inhibitor, and microRNAs regulator. <i>Life Sciences</i> , 2018 , 213, 236-247	6.8	39
148	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	2.1	38
147	Acute toxicity of functionalized single wall carbon nanotubes: A biochemical, histopathologic and proteomics approach. <i>Chemico-Biological Interactions</i> , 2017 , 275, 196-209	5	34
146	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	7.9	33
145	Optical and electrochemical-based nano-aptasensing approaches for the detection of circulating tumor cells (CTCs). <i>Biosensors and Bioelectronics</i> , 2020 , 148, 111833	11.8	33
144	Colon cancer therapy by focusing on colon cancer stem cells and their tumor microenvironment. <i>Journal of Cellular Physiology</i> , 2020 , 235, 4153-4166	7	33
143	Mast cells: A double-edged sword in cancer. <i>Immunology Letters</i> , 2019 , 209, 28-35	4.1	32

142	Recent advances of electrochemical and optical biosensors for detection of C-reactive protein as a major inflammatory biomarker. <i>Microchemical Journal</i> , 2020 , 158, 105287	4.8	32
141	Recent advances in surface plasmon resonance biosensors for microRNAs detection. <i>Biosensors and Bioelectronics</i> , 2020 , 169, 112599	11.8	32
140	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	7.9	29
139	Aptamer-based assay for monitoring genetic disorder phenylketonuria (PKU). <i>International Journal of Biological Macromolecules</i> , 2018 , 116, 735-743	7.9	29
138	Recent advances on portable sensing and biosensing assays applied for detection of main chemical and biological pollutant agents in water samples: A critical review. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 143, 116344	14.6	29
137	Applications of Spherical Nucleic Acid Nanoparticles as Delivery Systems. <i>Trends in Molecular Medicine</i> , 2019 , 25, 1066-1079	11.5	28
136	Co-delivery of Doxorubicin Encapsulated PLGA Nanoparticles and Bcl-xL shRNA Using Alkyl-Modified PEI into Breast Cancer Cells. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 183, 126-136	3.2	27
135	Role of miR-21 as an authentic oncogene in mediating drug resistance in breast cancer. <i>Gene</i> , 2020 , 738, 144453	3.8	27
134	Novel insights into the treatment of SARS-CoV-2 infection: An overview of current clinical trials. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 18-43	7.9	27
133	Nano-delivery system targeting to cancer stem cell cluster of differentiation biomarkers. <i>Journal of Controlled Release</i> , 2017 , 266, 166-186	11.7	26
132	MicroRNA-193a and taxol combination: A new strategy for treatment of colorectal cancer. <i>Journal of Cellular Biochemistry</i> , 2020 , 121, 1388-1399	4.7	26
131	Biomedical applications of nanoflares: Targeted intracellular fluorescence probes. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 17, 342-358	6	25
130	Small interfering RNA-mediated gene suppression as a therapeutic intervention in hepatocellular carcinoma. <i>Journal of Cellular Physiology</i> , 2019 , 234, 3263-3276	7	25
129	Synthesis of efficient gene delivery systems by grafting pegylated alkylcarboxylate chains to PAMAM dendrimers: Evaluation of transfection efficiency and cytotoxicity in cancerous and mesenchymal stem cells. <i>Journal of Biomaterials Applications</i> , 2015 , 30, 632-48	2.9	24
128	microRNA-181 serves as a dual-role regulator in the development of human cancers. <i>Free Radical Biology and Medicine</i> , 2020 , 152, 432-454	7.8	24
127	Development of biosensors for detection of alpha-fetoprotein: As a major biomarker for hepatocellular carcinoma. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 130, 115961	14.6	23
126	Synthesis, Characterization and Antioxidant Property of Quercetin-Tb(III) Complex. <i>Advanced Pharmaceutical Bulletin</i> , 2014 , 4, 101-4	4.5	23
125	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

124	Immune Checkpoints and CAR-T Cells: The Pioneers in Future Cancer Therapies?. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	22
123	The role of microRNAs involved in PI3-kinase signaling pathway in colorectal cancer. <i>Journal of Cellular Physiology</i> , 2019 , 234, 5664-5673	7	22
122	Regulatory mechanisms of microRNAs in colorectal cancer and colorectal cancer stem cells. <i>Journal of Cellular Physiology</i> , 2020 , 235, 776-789	7	22
121	A novel engineered label-free Zn-based MOF/CMC/AuNPs electrochemical genosensor for highly sensitive determination of Haemophilus Influenzae in human plasma samples. <i>Mikrochimica Acta</i> , 2021 , 188, 100	5.8	22
120	Overexpression of HMGA2 in breast cancer promotes cell proliferation, migration, invasion and stemness. <i>Expert Opinion on Therapeutic Targets</i> , 2020 , 1-11	6.4	21
119	Targeted delivery of melittin to cancer cells by AS1411 anti-nucleolin aptamer. <i>Drug Development and Industrial Pharmacy</i> , 2018 , 44, 982-987	3.6	21
118	CD133: An emerging prognostic factor and therapeutic target in colorectal cancer. <i>Cell Biology International</i> , 2020 , 44, 368-380	4.5	21
117	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	7.9	21
116	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	4.8	21
115	P53-Derived peptides conjugation to PEI: an approach to producing versatile and highly efficient targeted gene delivery carriers into cancer cells. <i>Expert Opinion on Drug Delivery</i> , 2016 , 13, 477-91	8	20
114	Cutting-edge progress and challenges in stimuli responsive hydrogel microenvironment for success in tissue engineering today. <i>Journal of Controlled Release</i> , 2020 , 328, 514-531	11.7	20
113	Diagnosis of hepatitis via nanomaterial-based electrochemical, optical or piezoelectrical biosensors: a review on recent advancements. <i>Mikrochimica Acta</i> , 2018 , 185, 568	5.8	20
112	Alpha7 nicotinic acetylcholine receptors in lung inflammation and carcinogenesis: Friends or foes?. <i>Journal of Cellular Physiology</i> , 2019 , 234, 14666	7	19
111	A novel DNA based bioassay toward ultrasensitive detection of Brucella using gold nanoparticles supported histidine: A new platform for the assay of bacteria in the cultured and human biofluids with and without polymerase chain reactions (PCR). <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 422-430	7.9	19
110	Recent advances on HIV DNA vaccines development: Stepwise improvements to clinical trials. <i>Journal of Controlled Release</i> , 2019 , 316, 116-137	11.7	19
109	Cell Surface Nucleolin as a Promising Receptor for Effective AS1411 Aptamer-Mediated Targeted Drug Delivery into Cancer Cells. <i>Current Drug Delivery</i> , 2018 , 15, 1323-1329	3.2	18
108	Interplay between MAPK/ERK signaling pathway and MicroRNAs: A crucial mechanism regulating cancer cell metabolism and tumor progression. <i>Life Sciences</i> , 2021 , 278, 119499	6.8	18
107	Metal-organic frameworks conjugated with biomolecules as efficient platforms for development of biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 141, 116285	14.6	18

106	Comparison study of the effect of alkyl-modified and unmodified PAMAM and PPI dendrimers on solubility and antitumor activity of crocetin. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017 , 45, 1356-1362	6.1	17
105	Molecular beacon strategies for sensing purpose. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 134, 1161434.6	4.6	17
104	Photodynamic therapy using zinc phthalocyanine with low dose of diode laser combined with doxorubicin is a synergistic combination therapy for human SK-MEL-3 melanoma cells. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019 , 28, 88-97	3.5	16
103	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
102	PEGylation of Polypropylenimine Dendrimer with Alkylcarboxylate Chain Linkage to Improve DNA Delivery and Cytotoxicity. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 177, 1-17	3.2	16
101	Biosensing of microcystins in water samples; recent advances. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112403	11.8	16
100	Immune checkpoints in tumor microenvironment and their relevance to the development of cancer stem cells. <i>Life Sciences</i> , 2020 , 256, 118005	6.8	16
99	Angiogenic potential of YKL-40 in the dynamics of tumor niche. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 100, 478-485	7.5	16
98	Bispecific monoclonal antibodies for targeted immunotherapy of solid tumors: Recent advances and clinical trials. <i>International Journal of Biological Macromolecules</i> , 2021 , 167, 1030-1047	7.9	16
97	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	4.8	15
96	Propyl gallate (PG) and tert-butylhydroquinone (TBHQ) may alter the potential anti-cancer behavior of probiotics. <i>Food Bioscience</i> , 2018 , 24, 37-45	4.9	15
95	Anti-Cancer Drug Delivery Using Carbohydrate-Based Polymers. <i>Current Pharmaceutical Design</i> , 2018 , 23, 6019-6032	3.3	15
94	Bicyclic peptides: types, synthesis and applications. <i>Drug Discovery Today</i> , 2019 , 24, 1311-1319	8.8	14
93	Monitoring of microRNA using molecular beacons approaches: Recent advances. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 131, 116021	14.6	14
92	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
91	Bimetallic Fe/Mn MOFs/MCD/AuNPs stabilized on MWCNTs for developing a label-free DNA-based genosensing bio-assay applied in the determination of Salmonella typhimurium in milk samples. <i>Chemosphere</i> , 2022 , 287, 132373	8.4	14
90	Nanoscale Metal-Organic Frameworks: Recent developments in synthesis, modifications and bioimaging applications. <i>Chemosphere</i> , 2021 , 281, 130717	8.4	14
89	Preparation of Effective and Safe Gene Carriers by Grafting Alkyl Chains to Generation 5 Polypropyleneimine. <i>AAPS PharmSciTech</i> , 2015 , 16, 1002-12	3.9	13

88	Restoration of miR-193a-5p and miR-146 a-5p Expression Induces G1 Arrest in Colorectal Cancer through Targeting of MDM2/p53. <i>Advanced Pharmaceutical Bulletin</i> , 2020 , 10, 130-134	4.5	13
87	Recent advances on development of portable biosensors for monitoring of biological contaminants in foods. <i>Trends in Food Science and Technology</i> , 2021 , 114, 712-721	15.3	13
86	Targeted Gene Delivery to MCF-7 Cells Using Peptide-Conjugated Polyethylenimine. <i>AAPS PharmSciTech</i> , 2015 , 16, 1025-32	3.9	12
85	Lateral flow assays (LFA) as an alternative medical diagnosis method for detection of virus species: The intertwine of nanotechnology with sensing strategies. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 145, 116460	14.6	12
84	Recent progress in the design of DNA vaccines against tuberculosis. <i>Drug Discovery Today</i> , 2020 , 25, 1978-1991	11.2	12
83	Thrombolytic Agents: Nanocarriers in Controlled Release. <i>Small</i> , 2020 , 16, e2001647	11	12
82	The triad of nanotechnology, cell signalling, and scaffold implantation for the successful repair of damaged organs: An overview on soft-tissue engineering. <i>Journal of Controlled Release</i> , 2021 , 332, 460-492	11.7	12
81	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> , 2020 , 145, 770-780	4.8	12
80	Electrochemical recognition of taurine biomarker in unprocessed human plasma samples using silver nanoparticlebased nanocomposite: A new platform for early stage diagnosis of neurodegenerative diseases of the nervous system. <i>Journal of Molecular Recognition</i> , 2018 , 31, e2739	2.6	12
79	Electrochemical monitoring of malondialdehyde biomarker in biological samples via electropolymerized amino acid/chitosan nanocomposite. <i>Journal of Molecular Recognition</i> , 2018 , 31, e2717	2.6	11
78	Microniosomes for concurrent doxorubicin and iron oxide nanoparticles loading; preparation, characterization and cytotoxicity studies. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 118-125	6.1	11
77	Preparation of Carbon-14 Labeled 2-(2-mercaptoacetamido)-3-phenylpropanoic Acid as Metallo-beta-lactamases Inhibitor (MBLI), for Coadministration with Beta-lactam Antibiotics. <i>Current Organic Synthesis</i> , 2019 , 16, 765-771	1.9	11
76	microRNA-181a mediates the chemo-sensitivity of glioblastoma to carmustine and regulates cell proliferation, migration, and apoptosis. <i>European Journal of Pharmacology</i> , 2020 , 888, 173483	5.3	11
75	siRNA-mediated silencing of CD44 delivered by Jet Pei enhanced Doxorubicin chemo sensitivity and altered miRNA expression in human breast cancer cell line (MDA-MB468). <i>Molecular Biology Reports</i> , 2020 , 47, 9541-9551	2.8	10
74	A PCR-free genosensing platform for detection of Shigella dysenteriae in human plasma samples by porous and honeycomb-like biochar decorated with ultrathin flower-like MoS nanosheets incorporated with Au nanoparticles. <i>Chemosphere</i> , 2021 , 288, 132531	8.4	10
73	Nanotechnology, and scaffold implantation for the effective repair of injured organs: An overview on hard tissue engineering. <i>Journal of Controlled Release</i> , 2021 , 333, 391-417	11.7	10
72	The oncogenic potential of NANOG: An important cancer induction mediator. <i>Journal of Cellular Physiology</i> , 2021 , 236, 2443-2458	7	10
71	Effective and safe in vivo gene delivery based on polyglutamic acid complexes with heterocyclic amine modified-polyethylenimine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 172, 790-796	6	10

70	CD40 DNA hypermethylation in primary gastric tumors; as a novel diagnostic biomarker. <i>Life Sciences</i> , 2020 , 254, 117774	6.8	9
69	CD133 suppression increases the sensitivity of prostate cancer cells to paclitaxel. <i>Molecular Biology Reports</i> , 2020 , 47, 3691-3703	2.8	9
68	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
67	A novel electroconductive interface based on Fe O 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
66	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
65	PD-1/PD-L1 axis importance and tumor microenvironment immune cells. <i>Life Sciences</i> , 2020 , 259, 118297.8	6.8	9
64	miR-34a and miR-200c Have an Additive Tumor-Suppressive Effect on Breast Cancer Cells and Patient Prognosis. <i>Genes</i> , 2021 , 12,	4.2	9
63	A Systematic Review on the Therapeutic Potentiality of PD-L1-Inhibiting MicroRNAs for Triple-Negative Breast Cancer: Toward Single-Cell Sequencing-Guided Biomimetic Delivery. <i>Genes</i> , 2021 , 12,	4.2	9
62	Regulation of immune responses through CD39 and CD73 in cancer: Novel checkpoints. <i>Life Sciences</i> , 2021 , 282, 119826	6.8	9
61	The effect of Yarrowia lipolytical-asparaginase on apoptosis induction and inhibition of growth in Burkitt's lymphoma Raji and acute lymphoblastic leukemia MOLT-4 cells. <i>International Journal of Biological Macromolecules</i> , 2020 , 146, 193-201	7.9	8
60	The Role of V-Domain Ig Suppressor of T Cell Activation (VISTA) in Cancer Therapy: Lessons Learned and the Road Ahead. <i>Frontiers in Immunology</i> , 2021 , 12, 676181	8.4	8
59	The dual role of alpha7 nicotinic acetylcholine receptor in inflammation-associated gastrointestinal cancers. <i>Heliyon</i> , 2020 , 6, e03611	3.6	7
58	Carbon based nanomaterials for the detection of narrow therapeutic index pharmaceuticals. <i>Talanta</i> , 2021 , 221, 121610	6.2	7
57	Synthesis and therapeutic potential of stimuli-responsive metal-organic frameworks. <i>Chemical Engineering Journal</i> , 2021 , 408, 127233	14.7	7
56	Alpha7 Nicotinic Acetylcholine Receptor Mediates Nicotine-induced Apoptosis and Cell Cycle Arrest of Hepatocellular Carcinoma HepG2 Cells. <i>Advanced Pharmaceutical Bulletin</i> , 2020 , 10, 65-71	4.5	6
55	The Regulatory Cross-Talk between microRNAs and Novel Members of the B7 Family in Human Diseases: A Scoping Review. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	6
54	Advanced mechanotherapy: Biotensegrity for governing metastatic tumor cell fate via modulating the extracellular matrix. <i>Journal of Controlled Release</i> , 2021 , 335, 596-618	11.7	6
53	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	4.8	5

52	Molecular pathways in the development of HPV-induced cervical cancer. <i>EXCLI Journal</i> , 2021 , 20, 320-333.	3.4	5
51	COVID-19 Infection: Concise Review Based on the Immunological Perspective. <i>Immunological Investigations</i> , 2020 , 1-20	2.9	5
50	Identification of functional methylated CpG loci in PD-L1 promoter as the novel epigenetic biomarkers for primary gastric cancer. <i>Gene</i> , 2021 , 772, 145376	3.8	5
49	The combination effect of Prominin1 (CD133) suppression and Oxaliplatin treatment in colorectal cancer therapy. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 137, 111364	7.5	5
48	Lateral flow assays (LFA) for detection of pathogenic bacteria: A small point-of-care platform for diagnosis of human infectious diseases.. <i>Talanta</i> , 2022 , 243, 123330	6.2	5
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