

Ahad Mokhtarzadeh

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4557516/ahad-mokhtarzadeh-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	Chitosan nanoparticles synthesis and surface modification using histidine/ polyethylenimine and evaluation of their gene transfection efficiency in breast cancer cells. <i>Biologia (Poland)</i> , 2022 , 77, 841	1.5	0
194	LncRNA DLGAP1-AS2 overexpression associates with gastric tumorigenesis: a promising diagnostic and therapeutic target.. <i>Molecular Biology Reports</i> , 2022 , 1	2.8	0
193	State-of-the-art cancer biomarker detection by portable (Bio) sensing technology: A critical review. <i>Microchemical Journal</i> , 2022 , 177, 107248	4.8	2
192	microRNA-193a-5p Suppresses the Migratory Ability of Human KATO III Gastric Cancer Cells through Inhibition of Vimentin and MMP-9.. <i>Advanced Pharmaceutical Bulletin</i> , 2022 , 12, 169-175	4.5	0
191	Antiproliferative activity of CD44 siRNA-PEI-PEG nanoparticles in glioblastoma: involvement of AKT signaling.. <i>Research in Pharmaceutical Sciences</i> , 2022 , 17, 78-85	2.6	0
190	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
189	State of the art: Lateral flow assays toward the point-of-care foodborne pathogenic bacteria detection in food samples.. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2022 ,	16.4	4
188	miR-200c increases the sensitivity of breast cancer cells to Doxorubicin through downregulating MDR1 gene.. <i>Experimental and Molecular Pathology</i> , 2022 , 104753	4.4	0
187	Dendritic cell-based cancer immunotherapy in the era of immune checkpoint inhibitors: From bench to bedside.. <i>Life Sciences</i> , 2022 , 120466	6.8	2
186	An overview on display systems (phage, bacterial, and yeast display) for production of anticancer antibodies; advantages and disadvantages.. <i>International Journal of Biological Macromolecules</i> , 2022 , 208, 421-442	7.9	3
185	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
184	Perspectives and trends in advanced DNA biosensors for the recognition of single nucleotide polymorphisms. <i>Chemical Engineering Journal</i> , 2022 , 441, 135988	14.7	1
183	Genosensors as an alternative diagnostic sensing approaches for specific detection of virus species: A review of common techniques and outcomes. <i>TrAC - Trends in Analytical Chemistry</i> , 2022 , 155, 116686	14.6	2
182	Simultaneous nanocarrier-mediated delivery of siRNAs and chemotherapeutic agents in cancer therapy and diagnosis: Recent advances.. <i>European Journal of Pharmacology</i> , 2021 , 915, 174639	5.3	0
181	Molecular pathways in the development of HPV-induced cervical cancer. <i>EXCLI Journal</i> , 2021 , 20, 320-337	1.4	5
180	Silencing tumor-intrinsic CD73 enhances the chemosensitivity of NSCLC and potentiates the anti-tumoral effects of cisplatin: An in vitro study. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 145, 112370	7.5	0
179	Applications of magnetic materials in the fabrication of microfluidic-based sensing systems: Recent advances. <i>Microchemical Journal</i> , 2021 , 173, 107042	4.8	3

178	How Physics Can Regulate Stem Cells Fate: An Overview on Cellular Interactions with Their Substrate 2021 , 103-137		
177	The effects of chemotherapeutic drugs on PD-L1 gene expression in breast cancer cell lines. <i>Medical Oncology</i> , 2021 , 38, 147	3.7	1
176	Micro RNA-34a sensitizes MCF-7 Breast Cancer Cells to carboplatin through the apoptosis induction. <i>Gene Reports</i> , 2021 , 101361	1.4	
175	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
174	miR-146a-5p and miR-193a-5p Synergistically Inhibited the Proliferation of Human Colorectal Cancer Cells (HT-29 cell line) through ERK Signaling Pathway. <i>Advanced Pharmaceutical Bulletin</i> , 2021 , 11, 755-764	4.5	1
173	A PCR-free genosensing platform for detection of <i>Shigella dysenteriae</i> 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
172	Strategies in DNA vaccine for melanoma cancer. <i>Pigment Cell and Melanoma Research</i> , 2021 , 34, 869-891	4.5	3
171	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
170	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
169	Suppression of Nanog inhibited cell migration and increased the sensitivity of colorectal cancer cells to 5-fluorouracil. <i>European Journal of Pharmacology</i> , 2021 , 894, 173871	5.3	4
168	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
167	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
166	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
165	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
164	Cholinergic anti-inflammatory pathway and connective tissue diseases. <i>Inflammopharmacology</i> , 2021 , 29, 975-986	5.1	0
163	Crosstalk between miRNAs and signaling pathways involved in pancreatic cancer and pancreatic ductal adenocarcinoma. <i>European Journal of Pharmacology</i> , 2021 , 901, 174006	5.3	3
162	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
161	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

160	The oncogenic potential of NANOG: An important cancer induction mediator. <i>Journal of Cellular Physiology</i> , 2021 , 236, 2443-2458	7	10
159	Carbon based nanomaterials for the detection of narrow therapeutic index pharmaceuticals. <i>Talanta</i> , 2021 , 221, 121610	6.2	7
158	Synthesis and therapeutic potential of stimuli-responsive metal-organic frameworks. <i>Chemical Engineering Journal</i> , 2021 , 408, 127233	14.7	7
157	Recent developments in targeting genes and pathways by RNAi-based approaches in colorectal cancer. <i>Medicinal Research Reviews</i> , 2021 , 41, 395-434	14.4	4
156	Crosstalk between long non-coding RNA DLX6-AS1, microRNAs and signaling pathways: A pivotal molecular mechanism in human cancers. <i>Gene</i> , 2021 , 769, 145224	3.8	3
155	Molecular beacon strategies for sensing purpose. <i>TrAC - Trends in Analytical Chemistry</i> , 2021 , 134, 116143	14.6	17
154	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
153	Yarrowia lipolytica L-asparaginase inhibits the growth and migration of lung (A549) and breast (MCF7) cancer cells. <i>International Journal of Biological Macromolecules</i> , 2021 , 170, 406-414	7.9	4
152	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
151	MicroRNA-143 Sensitizes Cervical Cancer Cells to Cisplatin: a Promising Anticancer Combination Therapy. <i>Reproductive Sciences</i> , 2021 , 28, 2036-2049	3	2
150	Immune Cell Membrane-Coated Biomimetic Nanoparticles for Targeted Cancer Therapy. <i>Small</i> , 2021 , 17, e2006484	11	47
149	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
148	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
147	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
146	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
145	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
144	ZNF677 downregulation by promoter hypermethylation as a driver event through gastric tumorigenesis. <i>Experimental and Molecular Pathology</i> , 2021 , 121, 104663	4.4	1
143	The synergy between miR-486-5p and tamoxifen causes profound cell death of tamoxifen-resistant breast cancer cells. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 141, 111925	7.5	1

142	Sodium metabisulfite as a cytotoxic food additive induces apoptosis in HFFF2 cells. <i>Food Chemistry</i> , 2021 , 358, 129910	8.5	2
141	Nanoparticles modified with vasculature-homing peptides for targeted cancer therapy and angiogenesis imaging. <i>Journal of Controlled Release</i> , 2021 , 338, 367-393	11.7	3
140	Regulation of immune responses through CD39 and CD73 in cancer: Novel checkpoints. <i>Life Sciences</i> , 2021 , 282, 119826	6.8	9
139	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
138	Nanoscale Metal-Organic Frameworks: Recent developments in synthesis, modifications and bioimaging applications. <i>Chemosphere</i> , 2021 , 281, 130717	8.4	14
137	A scoping review on the potentiality of PD-L1-inhibiting microRNAs in treating colorectal cancer: Toward single-cell sequencing-guided biocompatible-based delivery. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 143, 112213	7.5	2
136	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
135	Role of microRNAs in epidermal growth factor receptor signaling pathway in cervical cancer. <i>Molecular Biology Reports</i> , 2020 , 47, 4553-4568	2.8	4
134	CD40 DNA hypermethylation in primary gastric tumors; as a novel diagnostic biomarker. <i>Life Sciences</i> , 2020 , 254, 117774	6.8	9
133	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
132	The dual role of alpha7 nicotinic acetylcholine receptor in inflammation-associated gastrointestinal cancers. <i>Heliyon</i> , 2020 , 6, e03611	3.6	7
131	CD133 suppression increases the sensitivity of prostate cancer cells to paclitaxel. <i>Molecular Biology Reports</i> , 2020 , 47, 3691-3703	2.8	9
130	Biosensing of microcystins in water samples; recent advances. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112403	11.8	16
129	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
128	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
127	Role of miR-21 as an authentic oncogene in mediating drug resistance in breast cancer. <i>Gene</i> , 2020 , 738, 144453	3.8	27
126	Recent advances in nanotechnology-based drug delivery systems for the kidney. <i>Journal of Controlled Release</i> , 2020 , 321, 442-462	11.7	54
125	Small interfering RNA targeting alpha7 nicotinic acetylcholine receptor sensitizes hepatocellular carcinoma cells to sorafenib. <i>Life Sciences</i> , 2020 , 244, 117332	6.8	4

124	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
123	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
122	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
121	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
120	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
119	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
118	The effect of Yarrowia lipolytica-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
117	Comparison of DNA and mRNA vaccines against cancer. <i>Drug Discovery Today</i> , 2020 , 25, 552-560	8.8	60
116	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
115	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
114	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
113	Recent advances in surface plasmon resonance biosensors for microRNAs detection. <i>Biosensors and Bioelectronics</i> , 2020 , 169, 112599	11.8	32
112	Recent progress in the design of DNA vaccines against tuberculosis. <i>Drug Discovery Today</i> , 2020 , 25, 1978-1991	8.8	112
111	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
110	COVID-19 Infection: Concise Review Based on the Immunological Perspective. <i>Immunological Investigations</i> , 2020 , 1-20	2.9	5
109	Optimization of Tris/EDTA/Sucrose (TES) periplasmic extraction for the recovery of functional scFv antibodies. <i>AMB Express</i> , 2020 , 10, 129	4.1	3
108	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
107	Monitoring of microRNA using molecular beacons approaches: Recent advances. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 131, 116021	14.6	14

106	Immune Checkpoints and CAR-T Cells: The Pioneers in Future Cancer Therapies?. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	22
105	Thrombolytic Agents: Nanocarriers in Controlled Release. <i>Small</i> , 2020 , 16, e2001647	11	12
104	Hydrogel-Based 3D Bioprinting for Bone and Cartilage Tissue Engineering. <i>Biotechnology Journal</i> , 2020 , 15, e2000095	5.6	40
103	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
102	PD-1/PD-L1 axis importance and tumor microenvironment immune cells. <i>Life Sciences</i> , 2020 , 259, 1182976.8	7.8	9
101	Metal-based nanoparticles for bone tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020 , 14, 1687-1714	4.4	40
100	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
99	CD133: An emerging prognostic factor and therapeutic target in colorectal cancer. <i>Cell Biology International</i> , 2020 , 44, 368-380	4.5	21
98	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
97	Regulatory mechanisms of microRNAs in colorectal cancer and colorectal cancer stem cells. <i>Journal of Cellular Physiology</i> , 2020 , 235, 776-789	7	22
96	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
95	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
94	The role of HSP90 molecular chaperones in hepatocellular carcinoma. <i>Journal of Cellular Physiology</i> , 2020 , 235, 9110-9120	7	4
93	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
92	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
91	Nanomaterials for Use in Apta-Assays 2019 , 243-271		1
90	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
89	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

88	Bicyclic peptides: types, synthesis and applications. <i>Drug Discovery Today</i> , 2019 , 24, 1311-1319	8.8	14
87	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
86	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
85	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
84	Biomedical applications of nanoflares: Targeted intracellular fluorescence probes. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019 , 17, 342-358	6	25
83	Mast cells: A double-edged sword in cancer. <i>Immunology Letters</i> , 2019 , 209, 28-35	4.1	32
82	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
81	Ethambutol-Loaded Solid Lipid Nanoparticles as Dry Powder Inhalable Formulation for Tuberculosis Therapy. <i>AAPS PharmSciTech</i> , 2019 , 20, 120	3.9	56
80	Alpha7 nicotinic acetylcholine receptors in lung inflammation and carcinogenesis: Friends or foes?. <i>Journal of Cellular Physiology</i> , 2019 , 234, 14666	7	19
79	MicroRNAs in cancer drug resistance: Basic evidence and clinical applications. <i>Journal of Cellular Physiology</i> , 2019 , 234, 2152-2168	7	42
78	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
77	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
76	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
75	Applications of Spherical Nucleic Acid Nanoparticles as Delivery Systems. <i>Trends in Molecular Medicine</i> , 2019 , 25, 1066-1079	11.5	28
74	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
73	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
72	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
71	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	

70	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
69	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
68	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
67	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 , 147, 1000-1007	4.8	12
66	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
65	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
64	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
63	microRNAs in cancer stem cells: Biology, pathways, and therapeutic opportunities. <i>Journal of Cellular Physiology</i> , 2019 , 234, 10002-10017	7	62
62	Effects of CD133 Silencing on Survival and Migration of HT-29 Colorectal Cancer Cells. <i>Iranian Journal of Immunology</i> , 2019 , 16, 246-257	0.9	3
61	Angiogenic potential of YKL-40 in the dynamics of tumor niche. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 100, 478-485	7.5	16
60	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
59	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 , 111, 1000-1017	7.9	57
58	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
57	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
56	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
55	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
54	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
53	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

52	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
51	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
50	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
49	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
48	Anti-Cancer Drug Delivery Using Carbohydrate-Based Polymers. <i>Current Pharmaceutical Design</i> , 2018 , 23, 6019-6032	3.3	15
47	PTPN22 Silencing in Human Acute T-Cell Leukemia Cell Line (Jurkat Cell) and its Effect on the Expression of miR-181a and miR-181b. <i>Advanced Pharmaceutical Bulletin</i> , 2018 , 8, 277-282	4.5	2
46	Soluble Expression of Humanized Anti-CD20 Single Chain Antibody in by Cytoplasmic Chaperones Co-expression. <i>Avicenna Journal of Medical Biotechnology</i> , 2018 , 10, 141-146	1.4	4
45	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
44	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	7.9	51
43	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
42	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
41	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
40	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
39	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
38	Immobilization of Proline Dehydrogenase on Functionalized Silica Mesoporous Nanomaterial Towards Preparation of a Novel Thermostable Enzyme Biosensor. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 7786-7796	1.3	4
37	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
36	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 caped GQDs. <i>Microchemical Journal</i> , 2018 , 143, 379-392	4.8	21
35	Aptamer-based assay for monitoring genetic disorder phenylketonuria (PKU). <i>International Journal of Biological Macromolecules</i> , 2018 , 116, 735-743	7.9	29

34	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
33	Evaluation of anti-cancer activity of PLGA nanoparticles containing crocetin. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017 , 45, 955-960	6.1	39
32	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
31	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
30	Corrigendum to "Poly-dopamine-beta-cyclodextrin: A novel nanobiopolymer towards sensing of amino acids at physiological pH" [Materials Science and Engineering: C Volume 69, 1 December 2016, Pages 343-357]. <i>Materials Science and Engineering C</i> , 2017 , 75, 1526	8.3	
29	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
28	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
27	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
26	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
25	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
24	Magnetic Mesoporous Silica/Chitosan/Polyproline: A Novel Nanocomposite Toward Sensing of Some Clinically Relevant Biomolecules. <i>Nano LIFE</i> , 2017 , 07, 1750006	0.9	4
23	Nanomaterial-based biosensors for detection of pathogenic virus. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 97, 445-457	14.6	148
22	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
21	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
20	Targeted cancer therapy through antibody fragments-decorated nanomedicines. <i>Journal of Controlled Release</i> , 2017 , 268, 323-334	11.7	92
19	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
18	Nano-materials for use in sensing of salmonella infections: Recent advances. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 1050-1064	11.8	66
17	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

16	Identification of possible cytotoxicity mechanism of polyethylenimine by proteomics analysis. <i>Human and Experimental Toxicology</i> , 2016 , 35, 377-87	3-4	43
15	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
14	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
13	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
12	Aptamers as smart ligands for nano-carriers targeting. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 82, 316-327	14.6	44
11	Recent advances on biocompatible and biodegradable nanoparticles as gene carriers. <i>Expert Opinion on Biological Therapy</i> , 2016 , 16, 771-85	5-4	62
10	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
9	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
8	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
7	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
6	PEGylation of Polypropyleneimine Dendrimer with Alkylcarboxylate Chain Linkage to Improve DNA Delivery and Cytotoxicity. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 177, 1-17	3-2	16
5	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
4	Nanomaterial-based cocaine aptasensors. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 95-106	11.8	93
3	Targeted Gene Delivery to MCF-7 Cells Using Peptide-Conjugated Polyethylenimine. <i>AAPS PharmSciTech</i> , 2015 , 16, 1025-32	3-9	12
2	Synthetic and Biological Vesicular Nano-Carriers Designed for Gene Delivery. <i>Current Pharmaceutical Design</i> , 2015 , 21, 6214-35	3-3	52
1	Synthesis, Characterization and Antioxidant Property of Quercetin-Tb(III) Complex. <i>Advanced Pharmaceutical Bulletin</i> , 2014 , 4, 101-4	4-5	23