

# Ahad Mokhtarzadeh

## List of Publications by Year in descending order

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200  
papers

8,437  
citations

34016

52  
h-index

71532

76  
g-index

209  
all docs

209  
docs citations

209  
times ranked

9079  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.4	280
2	Nanomaterial-based biosensors for detection of pathogenic virus. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 97, 445-457.	5.8	230
3	Immune Cell Membrane-Coated Biomimetic Nanoparticles for Targeted Cancer Therapy. <i>Small</i> , 2021, 17, e2006484.	5.2	216
4	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.	3.8	193
5	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.	14.4	157
6	Recent advances on thermosensitive and pH-sensitive liposomes employed in controlled release. <i>Journal of Controlled Release</i> , 2019, 315, 1-22.	4.8	134
7	Recent advances in the application of mesoporous silica-based nanomaterials for bone tissue engineering. <i>Materials Science and Engineering C</i> , 2020, 107, 110267.	3.8	130
8	Targeted cancer therapy through antibody fragments-decorated nanomedicines. <i>Journal of Controlled Release</i> , 2017, 268, 323-334.	4.8	123
9	Metal-based nanoparticles for bone tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1687-1714.	1.3	116
10	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.	2.0	112
11	Recent advances in nanotechnology-based drug delivery systems for the kidney. <i>Journal of Controlled Release</i> , 2020, 321, 442-462.	4.8	110
12	Comparison of DNA and mRNA vaccines against cancer. <i>Drug Discovery Today</i> , 2020, 25, 552-560.	3.2	105
13	Aptasensors as a new sensing technology developed for the detection of MUC1 mucin: A review. <i>Biosensors and Bioelectronics</i> , 2019, 130, 1-19.	5.3	103
14	Nanomaterial-based cocaine aptasensors. <i>Biosensors and Bioelectronics</i> , 2015, 68, 95-106.	5.3	102
15	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.	5.8	96
16	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.	5.8	95
17	Hydrogel-Based 3D Bioprinting for Bone and Cartilage Tissue Engineering. <i>Biotechnology Journal</i> , 2020, 15, e2000095.	1.8	94
18	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.	5.8	92

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19	Colon cancer therapy by focusing on colon cancer stem cells and their tumor microenvironment. <i>Journal of Cellular Physiology</i> , 2020, 235, 4153-4166.	2.0	92
20	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.	3.8	91
21	Recent advances on aptamer-based biosensors to detection of platelet-derived growth factor. <i>Biosensors and Bioelectronics</i> , 2018, 113, 58-71.	5.3	90
22	Ethambutol-Loaded Solid Lipid Nanoparticles as Dry Powder Inhalable Formulation for Tuberculosis Therapy. <i>AAPS PharmSciTech</i> , 2019, 20, 120.	1.5	90
23	Bacterial-derived biopolymers: Advanced natural nanomaterials for drug delivery and tissue engineering. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 82, 367-384.	5.8	89
24	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.	2.0	86
25	Recent advances in nanoparticle-based photothermal therapy for breast cancer. <i>Journal of Controlled Release</i> , 2022, 349, 269-303.	4.8	85
26	Nano-materials for use in sensing of salmonella infections: Recent advances. <i>Biosensors and Bioelectronics</i> , 2017, 87, 1050-1064.	5.3	84
27	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.	5.8	83
28	Recent advances in co-delivery systems based on polymeric nanoparticle for cancer treatment. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 1095-1110.	1.9	83
29	Dengue virus: a review on advances in detection and trends " from conventional methods to novel biosensors. <i>Mikrochimica Acta</i> , 2019, 186, 329.	2.5	81
30	microRNAs in cancer stem cells: Biology, pathways, and therapeutic opportunities. <i>Journal of Cellular Physiology</i> , 2019, 234, 10002-10017.	2.0	78
31	An innovative immunosensor for ultrasensitive detection of breast cancer specific carbohydrate (CA) Tj ETQq1 1 0.784314 rgBT /Over electrochemically assembled onto thiolated graphene quantum dots. <i>International Journal of Biological Macromolecules</i> . 2018. 114, 1008-1017.	3.6	76
32	Synthetic and Biological Vesicular Nano-Carriers Designed for Gene Delivery. <i>Current Pharmaceutical Design</i> , 2015, 21, 6214-6235.	0.9	75
33	Recent advances in surface plasmon resonance biosensors for microRNAs detection. <i>Biosensors and Bioelectronics</i> , 2020, 169, 112599.	5.3	74
34	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
35	Recent advances on biocompatible and biodegradable nanoparticles as gene carriers. <i>Expert Opinion on Biological Therapy</i> , 2016, 16, 771-785.	1.4	71
36	Biodegradable nano-polymers as delivery vehicles for therapeutic small non-coding ribonucleic acids. <i>Journal of Controlled Release</i> , 2017, 245, 116-126.	4.8	69

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37	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.	5.8	69
38	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
39	Mast cells: A double-edged sword in cancer. <i>Immunology Letters</i> , 2019, 209, 28-35.	1.1	64
40	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
41	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.	2.0	62
42	Optical and electrochemical-based nano-aptasensing approaches for the detection of circulating tumor cells (CTCs). <i>Biosensors and Bioelectronics</i> , 2020, 148, 111833.	5.3	62
43	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
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 $\beta$ -cyclodextrin. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 69-80.	3.6	60
45	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
46	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, 21, 1868-1912.	5.9	60
47	Identification of possible cytotoxicity mechanism of polyethylenimine by proteomics analysis. <i>Human and Experimental Toxicology</i> , 2016, 35, 377-387.	1.1	59
48	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.	2.3	59
49	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
50	Applications of Spherical Nucleic Acid Nanoparticles as Delivery Systems. <i>Trends in Molecular Medicine</i> , 2019, 25, 1066-1079.	3.5	58
51	Immune Checkpoints and CAR-T Cells: The Pioneers in Future Cancer Therapies?. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8305.	1.8	58
52	A novel engineered label-free Zn-based MOF/CMC/AuNPs electrochemical genosensor for highly sensitive determination of <i>Haemophilus Influenzae</i> in human plasma samples. <i>Mikrochimica Acta</i> , 2021, 188, 100.	2.5	57
53	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
54	Aptamers as smart ligands for nano-carriers targeting. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 82, 316-327.	5.8	54

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55	MicroRNAs in cancer drug resistance: Basic evidence and clinical applications. <i>Journal of Cellular Physiology</i> , 2019, 234, 2152-2168.	2.0	54
56	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.	2.9	54
57	Evaluation of anti-cancer activity of PLGA nanoparticles containing crocetin. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 955-960.	1.9	52
58	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
59	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
60	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.	1.3	51
61	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
62	Recent progress in optical and electrochemical biosensors for sensing of Clostridium botulinum neurotoxin. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 103, 184-197.	5.8	50
63	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.	5.8	50
64	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.	4.8	50
65	Bimetallic Fe/Mn MOFs/M <sup>12</sup> CD/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.	4.2	48
66	Metal-organic frameworks conjugated with biomolecules as efficient platforms for development of biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 141, 116285.	5.8	47
67	Aptamer-based assay for monitoring genetic disorder phenylketonuria (PKU). <i>International Journal of Biological Macromolecules</i> , 2018, 116, 735-743.	3.6	46
68	Role of miR-21 as an authentic oncogene in mediating drug resistance in breast cancer. <i>Gene</i> , 2020, 738, 144453.	1.0	46
69	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
70	Acute toxicity of functionalized single wall carbon nanotubes: A biochemical, histopathologic and proteomics approach. <i>Chemico-Biological Interactions</i> , 2017, 275, 196-209.	1.7	45
71	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.	4.8	45
72	Nanoscale Metal-Organic Frameworks: Recent developments in synthesis, modifications and bioimaging applications. <i>Chemosphere</i> , 2021, 281, 130717.	4.2	45

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73	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.	5.8	45
74	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
75	Stem cell membrane, stem cell-derived exosomes and hybrid stem cell camouflaged nanoparticles: A promising biomimetic nanoplatforms for cancer theranostics. <i>Journal of Controlled Release</i> , 2022, 348, 706-722.	4.8	41
76	Determination of aflatoxin M1 using an aptamer-based biosensor immobilized on the surface of dendritic fibrous nano-silica functionalized by amine groups. <i>Analytical Methods</i> , 2019, 11, 3910-3919.	1.3	40
77	Biosensing of microcystins in water samples; recent advances. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112403.	5.3	40
78	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.	1.4	39
79	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 <sub>2</sub> nanosheets incorporated with Au nanoparticles. <i>Chemosphere</i> , 2022, 288, 132531.	4.2	39
80	Molecular beacon strategies for sensing purpose. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 134, 116143.	5.8	38
81	Alpha7 nicotinic acetylcholine receptors in lung inflammation and carcinogenesis: Friends or foes?. <i>Journal of Cellular Physiology</i> , 2019, 234, 14666-14679.	2.0	37
82	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.	4.8	37
83	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.	7.8	37
84	MicroRNA-193a and taxol combination: A new strategy for treatment of colorectal cancer. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 1388-1399.	1.2	36
85	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
86	Biomedical applications of nanoflakes: Targeted intracellular fluorescence probes. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 17, 342-358.	1.7	35
87	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.	3.6	35
88	The oncogenic potential of NANOG: An important cancer induction mediator. <i>Journal of Cellular Physiology</i> , 2021, 236, 2443-2458.	2.0	35
89	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, 1206.	1.0	35
90	State-of-the-art cancer biomarker detection by portable (Bio) sensing technology: A critical review. <i>Microchemical Journal</i> , 2022, 177, 107248.	2.3	35

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91	Nano-delivery system targeting to cancer stem cell cluster of differentiation biomarkers. <i>Journal of Controlled Release</i> , 2017, 266, 166-186.	4.8	34
92	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
93	Bicyclic peptides: types, synthesis and applications. <i>Drug Discovery Today</i> , 2019, 24, 1311-1319.	3.2	34
94	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.	3.6	34
95	Applications of magnetic materials in the fabrication of microfluidic-based sensing systems: Recent advances. <i>Microchemical Journal</i> , 2022, 173, 107042.	2.3	34
96	Targeted delivery of melittin to cancer cells by AS1411 anti-nucleolin aptamer. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 982-987.	0.9	33
97	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.	3.6	33
98	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 QDs. <i>Microchemical Journal</i> , 2018, 143, 379-392.	2.3	32
99	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
100	Regulatory mechanisms of microRNAs in colorectal cancer and colorectal cancer stem cells. <i>Journal of Cellular Physiology</i> , 2020, 235, 776-789.	2.0	32
101	Thrombolytic Agents: Nanocarriers in Controlled Release. <i>Small</i> , 2020, 16, e2001647.	5.2	32
102	Immune checkpoints in tumor microenvironment and their relevance to the development of cancer stem cells. <i>Life Sciences</i> , 2020, 256, 118005.	2.0	32
103	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.	2.2	32
104	Small interfering RNA-mediated gene suppression as a therapeutic intervention in hepatocellular carcinoma. <i>Journal of Cellular Physiology</i> , 2019, 234, 3263-3276.	2.0	31
105	CD133: An emerging prognostic factor and therapeutic target in colorectal cancer. <i>Cell Biology International</i> , 2020, 44, 368-380.	1.4	31
106	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.	1.3	30
107	Overexpression of HMGA2 in breast cancer promotes cell proliferation, migration, invasion and stemness. <i>Expert Opinion on Therapeutic Targets</i> , 2020, 24, 255-265.	1.5	30
108	Synthesis, Characterization and Antioxidant Property of Quercetin-Tb(III) Complex. <i>Advanced Pharmaceutical Bulletin</i> , 2014, 4, 101-4.	0.6	30

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109	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, 632-648.	1.2	29
110	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.	0.8	29
111	The various regulatory functions of long noncoding RNAs in apoptosis, cell cycle, and cellular senescence. <i>Journal of Cellular Biochemistry</i> , 2022, 123, 995-1024.	1.2	28
112	Anti-Cancer Drug Delivery Using Carbohydrate-Based Polymers. <i>Current Pharmaceutical Design</i> , 2018, 23, 6019-6032.	0.9	26
113	The role of microRNAs involved in PI3K signaling pathway in colorectal cancer. <i>Journal of Cellular Physiology</i> , 2019, 234, 5664-5673.	2.0	26
114	PD-1/PD-L1 axis importance and tumor microenvironment immune cells. <i>Life Sciences</i> , 2020, 259, 118297.	2.0	26
115	An innovative nucleic acid based biosensor toward detection of <i>Legionella pneumophila</i> using DNA immobilization and hybridization: A novel genosensor. <i>Microchemical Journal</i> , 2019, 148, 708-716.	2.3	25
116	Synthesis and therapeutic potential of stimuli-responsive metal-organic frameworks. <i>Chemical Engineering Journal</i> , 2021, 408, 127233.	6.6	25
117	Regulation of immune responses through CD39 and CD73 in cancer: Novel checkpoints. <i>Life Sciences</i> , 2021, 282, 119826.	2.0	25
118	Current trends in stimuli-responsive nanotheranostics based on metal-organic frameworks for cancer therapy. <i>Materials Today</i> , 2022, 57, 192-224.	8.3	25
119	Monitoring of microRNA using molecular beacons approaches: Recent advances. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 131, 116021.	5.8	24
120	The dual role of alpha7 nicotinic acetylcholine receptor in inflammation-associated gastrointestinal cancers. <i>Heliyon</i> , 2020, 6, e03611.	1.4	24
121	miR-34a and miR-200c Have an Additive Tumor-Suppressive Effect on Breast Cancer Cells and Patient Prognosis. <i>Genes</i> , 2021, 12, 267.	1.0	24
122	A novel DNA based bioassay toward ultrasensitive detection of <i>Brucella</i> 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.	3.6	23
123	Recent advances on HIV DNA vaccines development: Stepwise improvements to clinical trials. <i>Journal of Controlled Release</i> , 2019, 316, 116-137.	4.8	23
124	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.	1.7	23
125	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, 477-491.	2.4	22
126	Propyl gallate (PG) and tert-butylhydroquinone (TBHQ) may alter the potential anti-cancer behavior of probiotics. <i>Food Bioscience</i> , 2018, 24, 37-45.	2.0	22



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127	DNA-based bioassay of legionella pneumonia pathogen using gold nanostructure: A new platform for diagnosis of legionellosis. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 692-699.	3.6	21
128	The combination effect of Prominin1 (CD133) suppression and Oxaliplatin treatment in colorectal cancer therapy. <i>Biomedicine and Pharmacotherapy</i> , 2021, 137, 111364.	2.5	21
129	Nanoparticles modified with vasculature-homing peptides for targeted cancer therapy and angiogenesis imaging. <i>Journal of Controlled Release</i> , 2021, 338, 367-393.	4.8	21
130	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.	2.5	21
131	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.	1.9	20
132	Strategies in DNA vaccine for melanoma cancer. <i>Pigment Cell and Melanoma Research</i> , 2021, 34, 869-891.	1.5	20
133	PEGylation of Polypropylenimine Dendrimer with Alkylcarboxylate Chain Linkage to Improve DNA Delivery and Cytotoxicity. <i>Applied Biochemistry and Biotechnology</i> , 2015, 177, 1-17.	1.4	19
134	Angiogenic potential of YKL-40 in the dynamics of tumor niche. <i>Biomedicine and Pharmacotherapy</i> , 2018, 100, 478-485.	2.5	19
135	Recent progress in the design of DNA vaccines against tuberculosis. <i>Drug Discovery Today</i> , 2020, 25, 1971-1987.	3.2	19
136	The role of HSP90 molecular chaperones in hepatocellular carcinoma. <i>Journal of Cellular Physiology</i> , 2020, 235, 9110-9120.	2.0	19
137	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.	0.6	19
138	Electrochemical monitoring of malondialdehyde biomarker in biological samples via electropolymerized amino acid/chitosan nanocomposite. <i>Journal of Molecular Recognition</i> , 2018, 31, e2717.	1.1	18
139	Bioassays: The best alternative for conventional methods in detection of Legionella pneumophila. <i>International Journal of Biological Macromolecules</i> , 2019, 121, 1295-1307.	3.6	18
140	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.	1.6	18
141	CD133 suppression increases the sensitivity of prostate cancer cells to paclitaxel. <i>Molecular Biology Reports</i> , 2020, 47, 3691-3703.	1.0	18
142	Dendritic cell-based cancer immunotherapy in the era of immune checkpoint inhibitors: From bench to bedside. <i>Life Sciences</i> , 2022, 297, 120466.	2.0	18
143	A novel electroconductive interface based on Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticle and cysteamine functionalized AuNPs: Preparation and application as signal amplification element to minoring of antigen-antibody immunocomplex and biosensing of prostate cancer. <i>Journal of Molecular Recognition</i> , 2020, 33, e2825.	1.1	17
144	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.	1.0	17

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