Ali Zarrabi

List of Publications by Citations

193 papers	3,649 citations	33 h-index	48 g-index
215 ext. papers	6,424 ext. citations	6.5 avg, IF	6.31 L-index

#	Paper	IF	Citations
193	Selective cytotoxicity of green synthesized silver nanoparticles against the MCF-7 tumor cell line and their enhanced antioxidant and antimicrobial properties. *International Journal of Nanomedicine*, **2018**, 13, 8013-8024	7.3	177
192	Iron oxide nanoparticles may damage to the neural tissue through iron accumulation, oxidative stress, and protein aggregation. *BMC Neuroscience*, **2017**, 18, 51	3.2	131
191	Curcumin Delivery Mediated by Bio-Based Nanoparticles: A Review. *Molecules*, **2020**, 25,	4.8	92
190	Wound healing properties of PVA/starch/chitosan hydrogel membranes with nano Zinc oxide as antibacterial wound dressing material. *Journal of Biomaterials Science, Polymer Edition*, **2017**, 28, 2220-2241	3.5	83
189	In vivo gene delivery mediated by non-viral vectors for cancer therapy. *Journal of Controlled Release* , **2020**, 325, 249-275	11.7	74
188	Association of the Epithelial-Mesenchymal Transition (EMT) with Cisplatin Resistance. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	73
187	NMR (H, ROESY) spectroscopic and molecular modelling investigations of supramolecular complex of cyclodextrin and curcumin. *Food Chemistry*, **2014**, 165, 241-6	8.5	67
186	A concise review on smart polymers for controlled drug release. *Drug Delivery and Translational Research*, **2016**, 6, 333-40	6.2	65
185	An adhesive and injectable nanocomposite hydrogel of thiolated gelatin/gelatin methacrylate/Laponite as a potential surgical sealant. *Journal of Colloid and Interface Science*, **2020**, 564, 155-169	9.3	59
184	Exploring the interaction of naringenin with bovine beta-casein nanoparticles using spectroscopy. *Food Hydrocolloids*, **2015**, 51, 1-6	10.6	54
183	Regulation of Nuclear Factor-KappaB (NF- B) signaling pathway by non-coding RNAs in cancer: Inhibiting or promoting carcinogenesis?. *Cancer Letters*, **2021**, 509, 63-80	9.9	54
182	Functionalization of polymers and nanomaterials for water treatment, food packaging, textile and biomedical applications: a review. *Environmental Chemistry Letters*, **2021**, 19, 583-611	13.3	52
181	Multifunctional Polymeric Nanoplatforms for Brain Diseases Diagnosis, Therapy and Theranostics. *Biomedicines*, **2020**, 8,	4.8	48
180	Chitosan-based advanced materials for docetaxel and paclitaxel delivery: Recent advances and future directions in cancer theranostics. *International Journal of Biological Macromolecules*, **2020**, 145, 282-300	7.9	48
179	Flavonoids against the SARS-CoV-2 induced inflammatory storm. *Biomedicine and Pharmacotherapy*, **2021**, 138, 111430	7.5	46
178	An Improved Method for Fabrication of Ag-GO Nanocomposite with Controlled Anti-Cancer and Anti-bacterial Behavior; A Comparative Study. *Scientific Reports*, **2019**, 9, 9167	4.9	43
177	Role of microRNA/Epithelial-to-Mesenchymal Transition Axis in the Metastasis of Bladder Cancer. *Biomolecules*, **2020**, 10,	5.9	42

176	Biomedical application of chitosan-based nanoscale delivery systems: Potential usefulness in siRNA delivery for cancer therapy. *Carbohydrate Polymers*, **2021**, 260, 117809	10.3	42
175	Long non-coding RNAs in the doxorubicin resistance of cancer cells. *Cancer Letters*, **2021**, 508, 104-114	9.9	42
174	Versatile role of curcumin and its derivatives in lung cancer therapy. *Journal of Cellular Physiology*, **2020**, 235, 9241-9268	7	41
173	Curcumin in cancer therapy: A novel adjunct for combination chemotherapy with paclitaxel and alleviation of its adverse effects. *Life Sciences*, **2020**, 256, 117984	6.8	41
172	Design and synthesis of novel polyglycerol hybrid nanomaterials for potential applications in drug delivery systems. *Macromolecular Bioscience*, **2011**, 11, 383-90	5.5	40
171	Synergistic effect of the combination of triethylene-glycol modified Fe3O4 nanoparticles and ultrasound wave on MCF-7 cells. *Journal of Magnetism and Magnetic Materials*, **2015**, 394, 44-49	2.8	38
170	A concise review on cancer treatment methods and delivery systems. *Journal of Drug Delivery Science and Technology*, **2019**, 54, 101350	4.5	36
169	Self-assembled peptide and protein nanostructures for anti-cancer therapy: Targeted delivery, stimuli-responsive devices and immunotherapy. *Nano Today*, **2021**, 38,	17.9	36
168	Drug Delivery (Nano)Platforms for Oral and Dental Applications: Tissue Regeneration, Infection Control, and Cancer Management. *Advanced Science*, **2021**, 8, 2004014	13.6	36
167	Nanoliposomes and Tocosomes as Multifunctional Nanocarriers for the Encapsulation of Nutraceutical and Dietary Molecules. *Molecules*, **2020**, 25,	4.8	35
166	In vitro biocompatibility evaluations of hyperbranched polyglycerol hybrid nanostructure as a candidate for nanomedicine applications. *Journal of Materials Science: Materials in Medicine*, **2014**, 25, 499-506	4.5	35
165	Progress in Delivery of siRNA-Based Therapeutics Employing Nano-Vehicles for Treatment of Prostate Cancer. *Bioengineering*, **2020**, 7,	5.3	35
164	Nrf2 signaling pathway in cisplatin chemotherapy: Potential involvement in organ protection and chemoresistance. *Pharmacological Research*, **2021**, 167, 105575	10.2	35
163	Niosomal Drug Delivery Systems for Ocular Disease-Recent Advances and Future Prospects. *Nanomaterials*, **2020**, 10,	5.4	34
162	Superparamagnetic iron oxide nanoparticles combined with NGF and quercetin promote neuronal branching morphogenesis of PC12 cells. *International Journal of Nanomedicine*, **2019**, 14, 2157-2169	7.3	33
161	Design and fabrication of poly (glycerol sebacate)-based fibers for neural tissue engineering: Synthesis, electrospinning, and characterization. *Polymers for Advanced Technologies*, **2019**, 30, 1427-1440	3.2	33
160	Polychemotherapy with Curcumin and Doxorubicin via Biological Nanoplatforms: Enhancing Antitumor Activity. *Pharmaceutics*, **2020**, 12,	6.4	33
159	A comparative study on non-covalent functionalization of carbon nanotubes by chitosan and its derivatives for delivery of doxorubicin. *Chemical Physics Letters*, **2015**, 642, 22-28	2.5	32

158	Lung cancer cells and their sensitivity/resistance to cisplatin chemotherapy: Role of microRNAs and upstream mediators. *Cellular Signalling*, **2021**, 78, 109871	4.9	32
157	Naringenin Nano-Delivery Systems and Their Therapeutic Applications. *Pharmaceutics*, **2021**, 13,	6.4	32
156	A review on advances in graphene-derivative/polysaccharide bionanocomposites: Therapeutics, pharmacogenomics and toxicity. *Carbohydrate Polymers*, **2020**, 250, 116952	10.3	31
155	Progress in Natural Compounds/siRNA Co-delivery Employing Nanovehicles for Cancer Therapy. *ACS Combinatorial Science*, **2020**, 22, 669-700	3.9	30
154	Sensing the scent of death: Modulation of microRNAs by Curcumin in gastrointestinal cancers. *Pharmacological Research*, **2020**, 160, 105199	10.2	29
153	The role of microRNA-338-3p in cancer: growth, invasion, chemoresistance, and mediators. *Life Sciences*, **2021**, 268, 119005	6.8	29
152	Employing siRNA tool and its delivery platforms in suppressing cisplatin resistance: Approaching to a new era of cancer chemotherapy. *Life Sciences*, **2021**, 277, 119430	6.8	29
151	STAT3 Pathway in Gastric Cancer: Signaling, Therapeutic Targeting and Future Prospects. *Biology*, **2020**, 9,	4.9	28
150	Controlled quercetin release from high-capacity-loading hyperbranched polyglycerol-functionalized graphene oxide. *International Journal of Nanomedicine*, **2018**, 13, 6059-6071	7.3	28
149	Near infra-red polymeric nanoparticle based optical imaging in Cancer diagnosis. *Journal of Photochemistry and Photobiology B: Biology*, **2019**, 199, 111630	6.7	27
148	MicroRNAs and Their Influence on the ZEB Family: Mechanistic Aspects and Therapeutic Applications in Cancer Therapy. *Biomolecules*, **2020**, 10,	5.9	27
147	Hyperbranched polyglycerol coated on copper oxide nanoparticles as a novel core-shell nano-carrier hydrophilic drug delivery model. *Journal of Molecular Liquids*, **2018**, 250, 375-380	6	27
146	Elucidating Role of Reactive Oxygen Species (ROS) in Cisplatin Chemotherapy: A Focus on Molecular Pathways and Possible Therapeutic Strategies. *Molecules*, **2021**, 26,	4.8	25
145	Small interfering RNA (siRNA) to target genes and molecular pathways in glioblastoma therapy: Current status with an emphasis on delivery systems. *Life Sciences*, **2021**, 275, 119368	6.8	25
144	Nrf2 Signaling Pathway in Chemoprotection and Doxorubicin Resistance: Potential Application in Drug Discovery. *Antioxidants*, **2021**, 10,	7.1	25
143	Hyaluronic acid-based nanoplatforms for Doxorubicin: A review of stimuli-responsive carriers, co-delivery and resistance suppression. *Carbohydrate Polymers*, **2021**, 272, 118491	10.3	25
142	Covalent diphenylalanine peptide nanotube conjugated to folic acid/magnetic nanoparticles for anti-cancer drug delivery. *Journal of Drug Delivery Science and Technology*, **2017**, 41, 90-98	4.5	24
141	Nobiletin in Cancer Therapy: How This Plant Derived-Natural Compound Targets Various Oncogene and Onco-Suppressor Pathways. *Biomedicines*, **2020**, 8,	4.8	24

140	Biofabricated Nanostructures and Their Composites in Regenerative Medicine. *ACS Applied Nano Materials*, **2020**, 3, 6210-6238	5.6	24
139	Dual relationship between long non-coding RNAs and STAT3 signaling in different cancers: New insight to proliferation and metastasis. *Life Sciences*, **2021**, 270, 119006	6.8	24
138	Apigenin as Tumor Suppressor in Cancers: Biotherapeutic Activity, Nanodelivery, and Mechanisms With Emphasis on Pancreatic Cancer. *Frontiers in Chemistry*, **2020**, 8, 829	5	23
137	MicroRNA-mediated autophagy regulation in cancer therapy: The role in chemoresistance/chemosensitivity. *European Journal of Pharmacology*, **2021**, 892, 173660	5.3	23
136	Functionalization of Polymers and Nanomaterials for Biomedical Applications: Antimicrobial Platforms and Drug Carriers. *Prosthesis*, **2020**, 2, 117-139	4.7	22
135	Broad-Spectrum Preclinical Antitumor Activity of Chrysin: Current Trends and Future Perspectives. *Biomolecules*, **2020**, 10,	5.9	21
134	Design and characterization of a novel pH-sensitive biocompatible and multifunctional nanocarrier for in vitro paclitaxel release. *Materials Science and Engineering C*, **2021**, 119, 111627	8.3	20
133	The role of folic acid-conjugated polyglycerol coated iron oxide nanoparticles on radiosensitivity with clinical electron beam (6 MeV) on human cervical carcinoma cell line: In vitro study. *Journal of Photochemistry and Photobiology B: Biology*, **2018**, 182, 71-76	6.7	19
132	PTEN, a Barrier for Proliferation and Metastasis of Gastric Cancer Cells: From Molecular Pathways to Targeting and Regulation. *Biomedicines*, **2020**, 8,	4.8	19
131	Curcumin and inflammatory bowel diseases: From in vitro studies to clinical trials. *Molecular Immunology*, **2021**, 130, 20-30	4.3	19
130	Interplay between SOX9 transcription factor and microRNAs in cancer. *International Journal of Biological Macromolecules*, **2021**, 183, 681-694	7.9	19
129	Caffeic acid and its derivatives as potential modulators of oncogenic molecular pathways: New hope in the fight against cancer. *Pharmacological Research*, **2021**, 171, 105759	10.2	19
128	A review on application of Nano-structures and Nano-objects with high potential for managing different aspects of bone malignancies. *Nano Structures Nano Objects*, **2019**, 19, 100348	5.6	18
127	Paclitaxel/□CD-g-PG inclusion complex: An insight into complexation thermodynamics and guest solubility. *Journal of Molecular Liquids*, **2015**, 208, 145-150	6	18
126	PTEN: What we know of the function and regulation of this onco-suppressor factor in bladder cancer?. *European Journal of Pharmacology*, **2020**, 881, 173226	5.3	18
125	PD-1/PD-L1 axis regulation in cancer therapy: The role of long non-coding RNAs and microRNAs. *Life Sciences*, **2020**, 256, 117899	6.8	18
124	Green synthesis of silver nanoparticles at low temperature in a fast pace with unique DPPH radical scavenging and selective cytotoxicity against MCF-7 and BT-20 tumor cell lines. *Biotechnology Reports (Amsterdam, Netherlands)*, **2019**, 24, e00393	5.3	18
123	The role of SOX family transcription factors in gastric cancer. *International Journal of Biological Macromolecules*, **2021**, 180, 608-624	7.9	18

122	Development and optimization of a new hybrid chitosan-grafted graphene oxide/magnetic nanoparticle system for theranostic applications. *Journal of Molecular Liquids*, **2021**, 322, 114515	6	18
121	Folic acid armed Fe3O4-HPG nanoparticles as a safe nano vehicle for biomedical theranostics. *Journal of the Taiwan Institute of Chemical Engineers*, **2018**, 82, 33-41	5.3	18
120	Pyromellitic dianhydride crosslinked cyclodextrin nanosponges for curcumin controlled release; formulation, physicochemical characterization and cytotoxicity investigations. *Journal of Microencapsulation*, **2019**, 36, 715-727	3.4	17
119	The role of oxygen defects in magnetic properties of gamma-irradiated reduced graphene oxide. *Journal of Alloys and Compounds*, **2019**, 784, 134-148	5.7	17
118	Small in Size, but Large in Action: microRNAs as Potential Modulators of PTEN in Breast and Lung Cancers. *Biomolecules*, **2021**, 11,	5.9	17
117	New insight towards development of paclitaxel and docetaxel resistance in cancer cells: EMT as a novel molecular mechanism and therapeutic possibilities. *Biomedicine and Pharmacotherapy*, **2021**, 141, 111824	7.5	17
116	Synthesis, characterization and application of polyglycerol coated Fe3O4nanoparticles as a nano-theranostics agent. *Materials Research Express*, **2015**, 2, 125002	1.7	16
115	Resveratrol Modulates Transforming Growth Factor-Beta (TGF-)Signaling Pathway for Disease Therapy: A New Insight into Its Pharmacological Activities. *Biomedicines*, **2020**, 8,	4.8	16
114	Graphene oxide and its derivatives as promising In-vitro bio-imaging platforms. *Scientific Reports*, **2020**, 10, 18052	4.9	16
113	MicroRNAs in cancer therapy: Their involvement in oxaliplatin sensitivity/resistance of cancer cells with a focus on colorectal cancer. *Life Sciences*, **2020**, 256, 117973	6.8	15
112	Fabrication of smart magnetic nanocomposite asymmetric membrane capsules for the controlled release of nitrate. *Environmental Nanotechnology, Monitoring and Management*, **2017**, 8, 233-243	3.3	14
111	New Horizons in Hydrogels for Methotrexate Delivery. *Gels*, **2020**, 7,	4.2	14
110	Curcumin and its derivatives in cancer therapy: Potentiating antitumor activity of cisplatin and reducing side effects. *Phytotherapy Research*, **2021**,	6.7	14
109	Targeted Graphene Oxide Networks: Cytotoxicity and Synergy with Anticancer Agents. *ACS Applied Materials & Interfaces*, **2018**, 10, 43523-43532	9.5	14
108	AIE-featured tetraphenylethylene nanoarchitectures in biomedical application: Bioimaging, drug delivery and disease treatment. *Coordination Chemistry Reviews*, **2021**, 447, 214135	23.2	14
107	Dual role of quercetin in enhancing the efficacy of cisplatin in chemotherapy and protection against its side effects: a review. *Archives of Physiology and Biochemistry*, **2020**, 1-15	2.2	13
106	Advances in understanding the role of P-gp in doxorubicin resistance: Molecular pathways, therapeutic strategies, and prospects. *Drug Discovery Today*, **2021**, 27, 436-436	8.8	13
105	Toward Regulatory Effects of Curcumin on Transforming Growth Factor-Beta Across Different Diseases: A Review. *Frontiers in Pharmacology*, **2020**, 11, 585413	5.6	13

104	Diphenylalanine peptide nanotubes self-assembled on functionalized metal surfaces for potential application in drug-eluting stent. *Journal of Biomedical Materials Research - Part A*, **2016**, 104, 2280-90	5.4	13
103	Therapeutic potential of AMPK signaling targeting in lung cancer: Advances, challenges and future prospects. *Life Sciences*, **2021**, 278, 119649	6.8	13
102	Fabricating Ecyclodextrin based pH-responsive nanotheranostics as a programmable polymeric nanocapsule for simultaneous diagnosis and therapy. *International Journal of Nanomedicine*, **2019**, 14, 7017-7038	7.3	12
101	A multifunctional hierarchically assembled magnetic nanostructure towards cancer nano-theranostics. *RSC Advances*, **2015**, 5, 77255-77263	3.7	12
100	Lycopene: Food Sources, Biological Activities, and Human Health Benefits. *Oxidative Medicine and Cellular Longevity*, **2021**, 2021, 2713511	6.7	12
99	Mesoporous Bioactive Glasses in Cancer Diagnosis and Therapy: Stimuli-Responsive, Toxicity, Immunogenicity, and Clinical Translation. *Advanced Science*, **2021**, e2102678	13.6	12
98	Functionalization of Magnetic Nanoparticles by Folate as Potential MRI Contrast Agent for Breast Cancer Diagnostics. *Molecules*, **2020**, 25,	4.8	12
97	Quercetin and Its Nano-Scale Delivery Systems in Prostate Cancer Therapy: Paving the Way for Cancer Elimination and Reversing Chemoresistance. *Cancers*, **2021**, 13,	6.6	12
96	Novel synergistic activities of tetracycline copper oxide nanoparticles integrated into chitosan micro particles for delivery against multiple drug resistant strains: Generation of reactive oxygen species (ROS) and cell death. *Journal of Drug Delivery Science and Technology*, **2018**, 44, 65-70	4.5	12
95	Gallic acid for cancer therapy: Molecular mechanisms and boosting efficacy by nanoscopical delivery. *Food and Chemical Toxicology*, **2021**, 157, 112576	4.7	12
94	Effect of zinc-doped hydroxyapatite/graphene nanocomposite on the physicochemical properties and osteogenesis differentiation of 3D-printed polycaprolactone scaffolds for bone tissue engineering. *Chemical Engineering Journal*, **2021**, 426, 131321	14.7	12
93	A reduced graphene oxide-Ecyclodextrin nanocomposite-based electrode for electrochemical detection of curcumin.. *RSC Advances*, **2021**, 11, 7862-7872	3.7	12
92	The long and short non-coding RNAs modulating EZH2 signaling in cancer.. *Journal of Hematology and Oncology*, **2022**, 15, 18	22.4	12
91	A biocompatible nanoplatform formed by MgAl-layered double hydroxide modified MnO/N-graphene quantum dot conjugated-polyaniline for pH-triggered release of doxorubicin. *Materials Science and Engineering C*, **2020**, 114, 111055	8.3	11
90	Liposomal Doxorubicin Delivery Systems: Effects of Formulation and Processing Parameters on Drug Loading and Release Behavior. *Current Drug Delivery*, **2016**, 13, 1065-1070	3.2	11
89	The antitoxic effects of quercetin and quercetin-conjugated iron oxide nanoparticles (QNPs) against HO-induced toxicity in PC12 cells. *International Journal of Nanomedicine*, **2019**, 14, 6813-6830	7.3	10
88	Is Astragalus gossypinus Honey a Natural Antibacterial and Cytotoxic Agent? An Investigation on A. gossypinus Honey Biological Activity and Its Green Synthesized Silver Nanoparticles. *BioNanoScience*, **2019**, 9, 603-610	3.4	10
87	Bacteriostatic activity of aquatic extract of black peel pomegranate and silver nanoparticles biosynthesized by using the extract. *Biocatalysis and Agricultural Biotechnology*, **2020**, 25, 101620	4.2	10

86	Sensitive colorimetric assay using insulin G-quadruplex aptamer arrays on DNA nanotubes coupled with magnetic nanoparticles. *Royal Society Open Science*, **2018**, 5, 171835	3.3	10
85	Hierarchical multifunctional graphene oxide cancer nanotheranostics agent for synchronous switchable fluorescence imaging and chemical therapy. *Mikrochimica Acta*, **2020**, 187, 553	5.8	10
84	Pre-clinical investigation of STAT3 pathway in bladder cancer: Paving the way for clinical translation. *Biomedicine and Pharmacotherapy*, **2021**, 133, 111077	7.5	10
83	Long non-coding RNAs as new players in bladder cancer: Lessons from pre-clinical and clinical studies. *Life Sciences*, **2021**, 288, 119948	6.8	10
82	Benzimidazole analogues as efficient arsenals in war against methicillin-resistance staphylococcus aureus (MRSA) and its SAR studies. *Bioorganic Chemistry*, **2021**, 115, 105175	5.1	10
81	Revealing the role of miRNA-489 as a new onco-suppressor factor in different cancers based on pre-clinical and clinical evidence. *International Journal of Biological Macromolecules*, **2021**, 191, 727-737	7.9	10
80	Antineoplastic activity of biogenic silver and gold nanoparticles to combat leukemia: Beginning a new era in cancer theragnostic. *Biotechnology Reports (Amsterdam, Netherlands)*, **2022**, 34, e00714	5.3	10
79	Fabrication of DNA nanotubes with an array of exterior magnetic nanoparticles. *Materials Science and Engineering C*, **2017**, 79, 216-220	8.3	9
78	Wnt/Catenin Signaling as a Driver of Hepatocellular Carcinoma Progression: An Emphasis on Molecular Pathways. *Journal of Hepatocellular Carcinoma*, **2021**, 8, 1415-1444	5.3	9
77	AMPK signaling in diabetes mellitus, insulin resistance and diabetic complications: A pre-clinical and clinical investigation.. *Biomedicine and Pharmacotherapy*, **2022**, 146, 112563	7.5	9
76	Electrospun nanocarriers for delivering natural products for cancer therapy. *Trends in Food Science and Technology*, **2021**,	15.3	9
75	Cancer and SOX proteins: New insight into their role in ovarian cancer progression/inhibition. *Pharmacological Research*, **2020**, 161, 105159	10.2	9
74	Nonspherical Metal-Based Nanoarchitectures: Synthesis and Impact of Size, Shape, and Composition on Their Biological Activity. *Small*, **2021**, 17, e2007073	11	9
73	Electroconductive multi-functional polypyrrole composites for biomedical applications. *Applied Materials Today*, **2021**, 24, 101117	6.6	9
72	Endocytosis of abiotic nanomaterials and nanobiovectors: Inhibition of membrane trafficking. *Nano Today*, **2021**, 40, 101279	17.9	9
71	Nanoengineered Thermoresponsive Magnetic Nanoparticles for Drug Controlled Release. *Macromolecular Chemistry and Physics*, **2017**, 218, 1700350	2.6	8
70	Graphene as a promising multifunctional nanoplatform for glioblastoma theranostic applications. *FlatChem*, **2020**, 22, 100173	5.1	8
69	Chitosan: A versatile bio-platform for breast cancer theranostics.. *Journal of Controlled Release*, **2021**, 341, 733-752	11.7	8

68	The ER Stress/UPR Axis in Chronic Obstructive Pulmonary Disease and Idiopathic Pulmonary Fibrosis. *Life*, **2020**, 11,	3	8
67	Could FA-PG-SPIONs act as a hyperthermia sensitizing agent? An in vitro study. *Journal of Thermal Biology*, **2018**, 78, 73-83	2.9	8
66	Resveratrol targeting tau proteins, amyloid-beta aggregations, and their adverse effects: An updated review. *Phytotherapy Research*, **2020**, 34, 2867-2888	6.7	7
65	Monodispersed Polymeric Nanoparticles Fabrication by Electrospray Atomization. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2012**, 61, 611-626	3	7
64	Investigation of Combination Effect Between 6 MV X-Ray Radiation and Polyglycerol Coated Superparamagnetic Iron Oxide Nanoparticles on U87-MG Cancer Cells. *Journal of Biomedical Physics and Engineering*, **2020**, 10, 15-24	1	7
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60	Investigation of the Role of Glucose Decorated Chitosan and PLGA Nanoparticles as Blocking Agents to Glucose Transporters of Tumor Cells. *International Journal of Nanomedicine*, **2019**, 14, 9535-9546	7.3	7
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58	Non-spherical nanostructures in nanomedicine: From noble metal nanorods to transition metal dichalcogenide nanosheets. *Applied Materials Today*, **2021**, 24, 101107	6.6	7
57	Long noncoding RNAs: A novel insight in the leukemogenesis and drug resistance in acute myeloid leukemia. *Journal of Cellular Physiology*, **2021**,	7	7
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54	Targeted regulation of autophagy using nanoparticles: New insight into cancer therapy.. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2021**, 1868, 166326	6.9	6
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52	Injectable hyaluronic acid-based antibacterial hydrogel adorned with biogenically synthesized AgNPs-decorated multi-walled carbon nanotubes. *Progress in Biomaterials*, **2021**, 10, 77-89	4.4	6
51	Targeting autophagy in prostate cancer: preclinical and clinical evidence for therapeutic response.. *Journal of Experimental and Clinical Cancer Research*, **2022**, 41, 105	12.8	6

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49	Quantum dots-Cyclodextrin-histidine labeled human adipose stem cells-laden chitosan hydrogel for bone tissue engineering. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2020**, 27, 102217	6	5
48	Microbial toxicity of different functional groups-treated carbon nanotubes **2016**, 33-70		5
47	The application of corrugated parallel bundle model to immobilized cells in porous microcapsule membranes. *Journal of Membrane Science*, **2008**, 311, 159-164	9.6	5
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45	Cervical cancer progression is regulated by SOX transcription factors: Revealing signaling networks and therapeutic strategies. *Biomedicine and Pharmacotherapy*, **2021**, 144, 112335	7.5	5
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42	Doxorubicin-loaded graphene oxide nanocomposites in cancer medicine: Stimuli-responsive carriers, co-delivery and suppressing resistance.. *Expert Opinion on Drug Delivery*, **2022**,	8	5
41	Opto-electronic and antibacterial activity investigations of mono-dispersed nanostructure copper oxide prepared by a novel method: reduction of reactive oxygen species (ROS). *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 1798-1807	2.1	4
40	Transition Metal Dichalcogenides (TMDC)-Based Nanozymes for Biosensing and Therapeutic Applications.. *Materials*, **2022**, 15,	3.5	4
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38	PRODUCTION OF GLUCOAMYLASE BY ASPERGILLUS NIGER UNDER SOLID STATE FERMENTATION. *International Journal of Engineering, Transactions B: Applications*, **2012**, 25, 1-7	1.9	4
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