Ali Zarrabi

List of Publications by Year in Descending Order

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	Transition Metal Dichalcogenides (TMDC)-Based Nanozymes for Biosensing and Therapeutic Applications.. *Materials*, **2022**, 15,	3.5	4
192	Mesoporous silica@chitosan@gold nanoparticles as "on/off" optical biosensor and pH-sensitive theranostic platform against cancer.. *International Journal of Biological Macromolecules*, **2022**, 202, 241-255	7.9	4
191	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
190	Targeting AMPK signaling in ischemic/reperfusion injury: From molecular mechanism to pharmacological interventions.. *Cellular Signalling*, **2022**, 110323	4.9	2
189	The Importance of SNPs at miRNA Binding Sites as Biomarkers of Gastric and Colorectal Cancers: A Systematic Review.. *Journal of Personalized Medicine*, **2022**, 12,	3.6	2
188	Exosomes as Promising Nanostructures in Diabetes Mellitus: From Insulin Sensitivity to Ameliorating Diabetic Complications.. *International Journal of Nanomedicine*, **2022**, 17, 1229-1253	7.3	1
187	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
186	The long and short non-coding RNAs modulating EZH2 signaling in cancer.. *Journal of Hematology and Oncology*, **2022**, 15, 18	22.4	12
185	Doxorubicin-loaded graphene oxide nanocomposites in cancer medicine: Stimuli-responsive carriers, co-delivery and suppressing resistance.. *Expert Opinion on Drug Delivery*, **2022**,	8	5
184	Non-coding RNAs and macrophage interaction in tumor progression.. *Critical Reviews in Oncology/Hematology*, **2022**, 103680	7	3
183	Transforming growth factor-beta (TGF-β) in prostate cancer: A dual function mediator?. *International Journal of Biological Macromolecules*, **2022**, 206, 435-452	7.9	4
182	Targeting autophagy, oxidative stress, and ER stress for neurodegenerative diseases treatment.. *Journal of Controlled Release*, **2022**,	11.7	7
181	The convergence of in silico approach and nanomedicine for efficient cancer treatment; in vitro investigations on curcumin loaded multifunctional graphene oxide nanocomposite structure. *Journal of Drug Delivery Science and Technology*, **2022**, 71, 103302	4.5	1
180	Molecular landscape of c-Myc signaling in prostate cancer: A roadmap to clinical translation.. *Pathology Research and Practice*, **2022**, 233, 153851	3.4	6
179	Overcoming doxorubicin resistance in cancer: siRNA-loaded nanoarchitectures for cancer gene therapy.. *Life Sciences*, **2022**, 120463	6.8	1
178	The effect of surface chemistry on anti-soiling properties of transparent perfluoroalkyl and alkyl modified silica coatings. *Surfaces and Interfaces*, **2022**, 30, 101824	4.1	1
177	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

176	Characterization and optical properties of mechanochemically synthesized molybdenum-doped rutile nanoparticles and their electronic structure studies by density functional theory. *Materials Today Chemistry*, **2022**, 24, 100820	6.2	1
175	Targeting Nrf2 in ischemia-reperfusion alleviation: From signaling networks to therapeutic targeting.. *Life Sciences*, **2022**, 120561	6.8	2
174	Long non-coding RNAs and exosomal lncRNAs: Potential functions in lung cancer progression, drug resistance and tumor microenvironment remodeling.. *Biomedicine and Pharmacotherapy*, **2022**, 150, 112963	7.5	2
173	Multilayered Mesoporous Composite Nanostructures for Highly Sensitive Label-Free Quantification of Cardiac Troponin-I. *Biosensors*, **2022**, 12, 337	5.9	1
172	Developing Novel Hydroxypropyl-Cyclodextrin-Based Nanosponges as Carriers for Anticancer Hydrophobic Agents: Overcoming Limitations of HostGuest Complexes in a Comparative Evaluation. *Pharmaceutics*, **2022**, 14, 1059	6.4	2
171	Gene Editing-Based Technologies for Beta-hemoglobinopathies Treatment. *Biology*, **2022**, 11, 862	4.9	
170	Chitosan: A versatile bio-platform for breast cancer theranostics.. *Journal of Controlled Release*, **2021**, 341, 733-752	11.7	8
169	Pre-Clinical and Clinical Applications of Small Interfering RNAs (siRNA) and Co-Delivery Systems for Pancreatic Cancer Therapy.. *Cells*, **2021**, 10,	7.9	3
168	Cancer-Associated Fibroblasts Regulate the Plasticity of Breast Cancer Stemness through the Production of Leukemia Inhibitory Factor.. *Life*, **2021**, 11,	3	2
167	Lycopene: Food Sources, Biological Activities, and Human Health Benefits. *Oxidative Medicine and Cellular Longevity*, **2021**, 2021, 2713511	6.7	12
166	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
165	Mesoporous Bioactive Glasses in Cancer Diagnosis and Therapy: Stimuli-Responsive, Toxicity, Immunogenicity, and Clinical Translation. *Advanced Science*, **2021**, e2102678	13.6	12
164	EZH2 as a new therapeutic target in brain tumors: Molecular landscape, therapeutic targeting and future prospects.. *Biomedicine and Pharmacotherapy*, **2021**, 146, 112532	7.5	0
163	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
162	Quercetin in Attenuation of Ischemic/Reperfusion Injury: A Review. *Current Molecular Pharmacology*, **2021**, 14, 537-558	3.7	6
161	Curcumin and its derivatives in cancer therapy: Potentiating antitumor activity of cisplatin and reducing side effects. *Phytotherapy Research*, **2021**,	6.7	14
160	Genus and Its Waste Utilization: A Review on Health-Promoting Activities and Industrial Application. *Evidence-based Complementary and Alternative Medicine*, **2021**, 2021, 2488804	2.3	5
159	Electrospun nanocarriers for delivering natural products for cancer therapy. *Trends in Food Science and Technology*, **2021**,	15.3	9

158	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
157	Cervical cancer progression is regulated by SOX transcription factors: Revealing signaling networks and therapeutic strategies. *Biomedicine and Pharmacotherapy*, **2021**, 144, 112335	7.5	5
156	Targeting Cancer Stem Cells by Dietary Agents: An Important Therapeutic Strategy against Human Malignancies. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	2
155	Photodynamic therapy for leishmaniasis: Recent advances and future trends. *Photodiagnosis and Photodynamic Therapy*, **2021**, 36, 102609	3.5	2
154	Gene regulation by antisense transcription: A focus on neurological and cancer diseases. *Biomedicine and Pharmacotherapy*, **2021**, 145, 112265	7.5	7
153	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
152	Synthesis of Curcumin Loaded Smart pH-Responsive Stealth Liposome as a Novel Nanocarrier for Cancer Treatment. *Fibers*, **2021**, 9, 19	3.7	7
151	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
150	Nonspherical Metal-Based Nanoarchitectures: Synthesis and Impact of Size, Shape, and Composition on Their Biological Activity. *Small*, **2021**, 17, e2007073	11	9
149	The role of microRNA-338-3p in cancer: growth, invasion, chemoresistance, and mediators. *Life Sciences*, **2021**, 268, 119005	6.8	29
148	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
147	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
146	Biomedical application of chitosan-based nanoscale delivery systems: Potential usefulness in siRNA delivery for cancer therapy. *Carbohydrate Polymers*, **2021**, 260, 117809	10.3	42
145	Nrf2 signaling pathway in cisplatin chemotherapy: Potential involvement in organ protection and chemoresistance. *Pharmacological Research*, **2021**, 167, 105575	10.2	35
144	Combustion Characteristics of Nanoaluminium-Based Composite Solid Propellants: An Overview. *Journal of Chemistry*, **2021**, 2021, 1-12	2.3	1
143	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
142	Flavonoids against the SARS-CoV-2 induced inflammatory storm. *Biomedicine and Pharmacotherapy*, **2021**, 138, 111430	7.5	46
141	Long non-coding RNAs in the doxorubicin resistance of cancer cells. *Cancer Letters*, **2021**, 508, 104-114	9.9	42

140	Role of ZEB family members in proliferation, metastasis and chemoresistance of prostate cancer cells: Revealing signaling networks. *Current Cancer Drug Targets*, **2021**,	2.8	2
139	The role of SOX family transcription factors in gastric cancer. *International Journal of Biological Macromolecules*, **2021**, 180, 608-624	7.9	18
138	Self-assembled peptide and protein nanostructures for anti-cancer therapy: Targeted delivery, stimuli-responsive devices and immunotherapy. *Nano Today*, **2021**, 38,	17.9	36
137	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
136	Recent advances and future directions in anti-tumor activity of cryptotanshinone: A mechanistic review. *Phytotherapy Research*, **2021**, 35, 155-179	6.7	7
135	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
134	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
133	Venom peptides in cancer therapy: An updated review on cellular and molecular aspects. *Pharmacological Research*, **2021**, 164, 105327	10.2	3
132	Lung cancer cells and their sensitivity/resistance to cisplatin chemotherapy: Role of microRNAs and upstream mediators. *Cellular Signalling*, **2021**, 78, 109871	4.9	32
131	Curcumin and inflammatory bowel diseases: From in vitro studies to clinical trials. *Molecular Immunology*, **2021**, 130, 20-30	4.3	19
130	MicroRNA-mediated autophagy regulation in cancer therapy: The role in chemoresistance/chemosensitivity. *European Journal of Pharmacology*, **2021**, 892, 173660	5.3	23
129	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
128	Artemisia Species as a New Candidate for Diabetes Therapy: A Comprehensive Review. *Current Molecular Medicine*, **2021**, 21, 832-849	2.5	1
127	Pre-clinical investigation of STAT3 pathway in bladder cancer: Paving the way for clinical translation. *Biomedicine and Pharmacotherapy*, **2021**, 133, 111077	7.5	10
126	MicroRNAs regulating SOX2 in cancer progression and therapy response. *Expert Reviews in Molecular Medicine*, **2021**, 23, e13	6.7	2
125	Crosstalk of Long Non-coding RNAs and EMT: Searching the Missing Pieces of an Incomplete Puzzle for Lung Cancer Therapy. *Current Cancer Drug Targets*, **2021**, 21, 640-665	2.8	3
124	Small in Size, but Large in Action: microRNAs as Potential Modulators of PTEN in Breast and Lung Cancers. *Biomolecules*, **2021**, 11,	5.9	17
123	Drug Delivery (Nano)Platforms for Oral and Dental Applications: Tissue Regeneration, Infection Control, and Cancer Management. *Advanced Science*, **2021**, 8, 2004014	13.6	36

122	Naringenin Nano-Delivery Systems and Their Therapeutic Applications. *Pharmaceutics*, **2021**, 13,	6.4	32
121	Nrf2 Signaling Pathway in Chemoprotection and Doxorubicin Resistance: Potential Application in Drug Discovery. *Antioxidants*, **2021**, 10,	7.1	25
120	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
119	Interplay between SOX9 transcription factor and microRNAs in cancer. *International Journal of Biological Macromolecules*, **2021**, 183, 681-694	7.9	19
118	Current Trends in the Therapeutic Strategies for Diabetes Management. *Current Medicinal Chemistry*, **2021**, 28, 4616-4637	4.3	2
117	Therapeutic potential of AMPK signaling targeting in lung cancer: Advances, challenges and future prospects. *Life Sciences*, **2021**, 278, 119649	6.8	13
116	Non-spherical nanostructures in nanomedicine: From noble metal nanorods to transition metal dichalcogenide nanosheets. *Applied Materials Today*, **2021**, 24, 101107	6.6	7
115	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
114	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
113	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
112	Electroconductive multi-functional polypyrrole composites for biomedical applications. *Applied Materials Today*, **2021**, 24, 101117	6.6	9
111	In response to "Comment on "Regulation of Nuclear Factor-KappaB (NF-B) signaling pathway by non-coding RNAs in cancer: Inhibiting or promoting carcinogenesis?" Cancer Lett. 2021 May 2; 509 (2021) 63-80". *Cancer Letters*, **2021**, 516, 36-37	9.9	1
110	Antimicrobial peptides as potential therapeutics for breast cancer. *Pharmacological Research*, **2021**, 171, 105777	10.2	3
109	Long noncoding RNAs: A novel insight in the leukemogenesis and drug resistance in acute myeloid leukemia. *Journal of Cellular Physiology*, **2021**,	7	7
108	A review study on the modulation of SIRT1 expression by miRNAs in aging and age-associated diseases. *International Journal of Biological Macromolecules*, **2021**, 188, 52-61	7.9	5
107	The involvement of epithelial-to-mesenchymal transition in doxorubicin resistance: Possible molecular targets. *European Journal of Pharmacology*, **2021**, 908, 174344	5.3	2
106	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
105	Endocytosis of abiotic nanomaterials and nanobiovectors: Inhibition of membrane trafficking. *Nano Today*, **2021**, 40, 101279	17.9	9

104	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
103	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
102	AIE-featured tetraphenylethylene nanoarchitectures in biomedical application: Bioimaging, drug delivery and disease treatment. *Coordination Chemistry Reviews*, **2021**, 447, 214135	23.2	14
101	Gallic acid for cancer therapy: Molecular mechanisms and boosting efficacy by nanoscopical delivery. *Food and Chemical Toxicology*, **2021**, 157, 112576	4.7	12
100	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
99	C-Myc Signaling Pathway in Treatment and Prevention of Brain Tumors. *Current Cancer Drug Targets*, **2021**, 21, 2-20	2.8	4
98	A reduced graphene oxide-□cyclodextrin nanocomposite-based electrode for electrochemical detection of curcumin.. *RSC Advances*, **2021**, 11, 7862-7872	3.7	12
97	Role of Tumor Microenvironment in Cancer Stem Cells Resistance to Radiotherapy.. *Current Cancer Drug Targets*, **2021**,	2.8	4
96	Nobiletin in Cancer Therapy: How This Plant Derived-Natural Compound Targets Various Oncogene and Onco-Suppressor Pathways. *Biomedicines*, **2020**, 8,	4.8	24
95	Quantum dots-□yclodextrin-histidine labeled human adipose stem cells-laden chitosan hydrogel for bone tissue engineering. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2020**, 27, 102217	6	5
94	Resveratrol targeting tau proteins, amyloid-beta aggregations, and their adverse effects: An updated review. *Phytotherapy Research*, **2020**, 34, 2867-2888	6.7	7
93	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
92	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
91	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
90	Niosomal Drug Delivery Systems for Ocular Disease-Recent Advances and Future Prospects. *Nanomaterials*, **2020**, 10,	5.4	34
89	Graphene as a promising multifunctional nanoplatform for glioblastoma theranostic applications. *FlatChem*, **2020**, 22, 100173	5.1	8
88	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
87	Association of the Epithelial-Mesenchymal Transition (EMT) with Cisplatin Resistance. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	73

86	STAT3 Pathway in Gastric Cancer: Signaling, Therapeutic Targeting and Future Prospects. *Biology*, **2020**, 9,	4.9	28
85	Versatile role of curcumin and its derivatives in lung cancer therapy. *Journal of Cellular Physiology*, **2020**, 235, 9241-9268	7	41
84	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
83	Biofabricated Nanostructures and Their Composites in Regenerative Medicine. *ACS Applied Nano Materials*, **2020**, 3, 6210-6238	5.6	24
82	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
81	Functionalization of Polymers and Nanomaterials for Biomedical Applications: Antimicrobial Platforms and Drug Carriers. *Prosthesis*, **2020**, 2, 117-139	4.7	22
80	In vivo gene delivery mediated by non-viral vectors for cancer therapy. *Journal of Controlled Release* , **2020**, 325, 249-275	11.7	74
79	Nanoliposomes and Tocosomes as Multifunctional Nanocarriers for the Encapsulation of Nutraceutical and Dietary Molecules. *Molecules*, **2020**, 25,	4.8	35
78	Curcumin Delivery Mediated by Bio-Based Nanoparticles: A Review. *Molecules*, **2020**, 25,	4.8	92
77	Multifunctional Polymeric Nanoplatforms for Brain Diseases Diagnosis, Therapy and Theranostics. *Biomedicines*, **2020**, 8,	4.8	48
76	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
75	Cyclodextrin-Based Nanosystems as Drug Carriers for Cancer Therapy. *Anti-Cancer Agents in Medicinal Chemistry*, **2020**, 20, 1327-1339	2.2	1
74	Polymer-Graphene Nanoassemblies and their Applications in Cancer Theranostics. *Anti-Cancer Agents in Medicinal Chemistry*, **2020**, 20, 1340-1351	2.2	2
73	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
72	New Horizons in Hydrogels for Methotrexate Delivery. *Gels*, **2020**, 7,	4.2	14
71	The ER Stress/UPR Axis in Chronic Obstructive Pulmonary Disease and Idiopathic Pulmonary Fibrosis. *Life*, **2020**, 11,	3	8
70	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
69	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

68	Broad-Spectrum Preclinical Antitumor Activity of Chrysin: Current Trends and Future Perspectives. *Biomolecules*, **2020**, 10,	5.9	21
67	Toward Regulatory Effects of Curcumin on Transforming Growth Factor-Beta Across Different Diseases: A Review. *Frontiers in Pharmacology*, **2020**, 11, 585413	5.6	13
66	Cancer and SOX proteins: New insight into their role in ovarian cancer progression/inhibition. *Pharmacological Research*, **2020**, 161, 105159	10.2	9
65	Progress in Natural Compounds/siRNA Co-delivery Employing Nanovehicles for Cancer Therapy. *ACS Combinatorial Science*, **2020**, 22, 669-700	3.9	30
64	Sensing the scent of death: Modulation of microRNAs by Curcumin in gastrointestinal cancers. *Pharmacological Research*, **2020**, 160, 105199	10.2	29
63	MicroRNAs and Their Influence on the ZEB Family: Mechanistic Aspects and Therapeutic Applications in Cancer Therapy. *Biomolecules*, **2020**, 10,	5.9	27
62	Polychemotherapy with Curcumin and Doxorubicin via Biological Nanoplatforms: Enhancing Antitumor Activity. *Pharmaceutics*, **2020**, 12,	6.4	33
61	PTEN, a Barrier for Proliferation and Metastasis of Gastric Cancer Cells: From Molecular Pathways to Targeting and Regulation. *Biomedicines*, **2020**, 8,	4.8	19
60	Apigenin as Tumor Suppressor in Cancers: Biotherapeutic Activity, Nanodelivery, and Mechanisms With Emphasis on Pancreatic Cancer. *Frontiers in Chemistry*, **2020**, 8, 829	5	23
59	Resveratrol Modulates Transforming Growth Factor-Beta (TGF-β) Signaling Pathway for Disease Therapy: A New Insight into Its Pharmacological Activities. *Biomedicines*, **2020**, 8,	4.8	16
58	Role of microRNA/Epithelial-to-Mesenchymal Transition Axis in the Metastasis of Bladder Cancer. *Biomolecules*, **2020**, 10,	5.9	42
57	Progress in Delivery of siRNA-Based Therapeutics Employing Nano-Vehicles for Treatment of Prostate Cancer. *Bioengineering*, **2020**, 7,	5.3	35
56	Graphene oxide and its derivatives as promising In-vitro bio-imaging platforms. *Scientific Reports*, **2020**, 10, 18052	4.9	16
55	Functionalization of Magnetic Nanoparticles by Folate as Potential MRI Contrast Agent for Breast Cancer Diagnostics. *Molecules*, **2020**, 25,	4.8	12
54	A review on advances in graphene-derivative/polysaccharide bionanocomposites: Therapeutics, pharmacogenomics and toxicity. *Carbohydrate Polymers*, **2020**, 250, 116952	10.3	31
53	Electrospun captopril-loaded PCL-carbon quantum dots nanocomposite scaffold: Fabrication, characterization, and in vitro studies. *Polymers for Advanced Technologies*, **2020**, 31, 3302-3315	3.2	7
52	Hierarchical multifunctional graphene oxide cancer nanotheranostics agent for synchronous switchable fluorescence imaging and chemical therapy. *Mikrochimica Acta*, **2020**, 187, 553	5.8	10
51	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

50	Fabricating β-cyclodextrin 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
49	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
48	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
47	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
46	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
45	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
44	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
43	Near infra-red polymeric nanoparticle based optical imaging in Cancer diagnosis. *Journal of Photochemistry and Photobiology B: Biology*, **2019**, 199, 111630	6.7	27
42	Enhanced Cellular Uptake Of Phenamil Through Inclusion Complex With Histidine Functionalized β-Cyclodextrin As Penetrative Osteoinductive Agent. *International Journal of Nanomedicine*, **2019**, 14, 8221-8234	7.3	6
41	A concise review on cancer treatment methods and delivery systems. *Journal of Drug Delivery Science and Technology*, **2019**, 54, 101350	4.5	36
40	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
39	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
38	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
37	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
36	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
35	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
34	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
33	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

32	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
31	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
30	Targeted Graphene Oxide Networks: Cytotoxicity and Synergy with Anticancer Agents. *ACS Applied Materials & Interfaces*, **2018**, 10, 43523-43532	9.5	14
29	Controlled quercetin release from high-capacity-loading hyperbranched polyglycerol-functionalized graphene oxide. *International Journal of Nanomedicine*, **2018**, 13, 6059-6071	7.3	28
28	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
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