

Behafarid Ghalandari

List of Publications by Year in Descending Order

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

47
papers

730
citations

16
h-index

26
g-index

54
ext. papers

970
ext. citations

5.5
avg, IF

4.15
L-index

#	Paper	IF	Citations
47	Recent Progresses in Electrochemical DNA Biosensors for MicroRNA Detection. <i>Phenomixs</i> , 2022 , 2, 18		2
46	2V-Methyl modified guide RNA promotes the single nucleotide polymorphism (SNP) discrimination ability of CRISPR-Cas12a systems.. <i>Chemical Science</i> , 2022 , 13, 2050-2061	9.4	2
45	A turn-on fluorescence sensor based on Cu modulated DNA-templated silver nanoclusters for glyphosate detection and mechanism investigation. <i>Food Chemistry</i> , 2022 , 367, 130617	8.5	5
44	Encountering and Wrestling: Neutrophils Recognize and Defensively Degrade Graphene Oxide. <i>Advanced Healthcare Materials</i> , 2021 , e2102439	10.1	2
43	Determinants of gold nanoparticle interactions with Proteins: Off-Target effect study.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 269, 120736	4.4	1
42	Evaluation of BLG ability for binding to 5-FU and Irinotecan simultaneously under acidic condition: A spectroscopic, molecular docking and molecular dynamic simulation study. <i>Journal of Molecular Liquids</i> , 2021 , 344, 117758	6	0
41	P75 and S100 gene expression induced by cell-imprinted substrate and beta-carotene to nerve tissue engineering. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50624	2.9	1
40	Coating of Laponite on PLA Nanofibrous for Bone Tissue Engineering Application. <i>Macromolecular Research</i> , 2021 , 29, 191-198	1.9	3
39	Single-Cell Immunoblotting based on a Photoclick Hydrogel Enables High-Throughput Screening and Accurate Profiling of Exogenous Gene Expression. <i>Advanced Materials</i> , 2021 , 33, e2101108	24	1
38	Immobilization of cobalt-loaded laponite/carboxymethyl chitosan on polycaprolactone nanofiber for improving osteogenesis and angiogenesis activities. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 4362	3.2	1
37	Single-Cell Screening: Single-Cell Immunoblotting based on a Photoclick Hydrogel Enables High-Throughput Screening and Accurate Profiling of Exogenous Gene Expression (Adv. Mater. 22/2021). <i>Advanced Materials</i> , 2021 , 33, 2170172	24	
36	Immobilization of carboxymethyl chitosan/laponite on polycaprolactone nanofibers as osteoinductive bone scaffolds. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 755-765	3.2	10
35	Protein interaction and in vitro cytotoxicity studies of newly designed palladium (II) nitrate complexes: spectrochemical, theoretical and biological assessments. <i>Journal of the Iranian Chemical Society</i> , 2021 , 18, 873-886	2	1
34	Hairpin-Spacer crRNA-Enhanced CRISPR/Cas13a System Promotes the Specificity of Single Nucleotide Polymorphism (SNP) Identification. <i>Advanced Science</i> , 2021 , 8, 2003611	13.6	9
33	Tuning the biomimetic behavior of hybrid scaffolds for bone tissue engineering through surface modifications and drug immobilization. <i>Materials Science and Engineering C</i> , 2021 , 130, 112434	8.3	6
32	A Facile Method to Synthesize 3D Pomegranate-like Polydopamine Microspheres.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021 , 9, 737074	5.8	0
31	Poly (N-vinylpyrrolidone) modification mitigates plasma protein corona formation on phosphomolybdate-based nanoparticles.. <i>Journal of Nanobiotechnology</i> , 2021 , 19, 445	9.4	0

30	Interaction of the synthesized anticancer compound of the methyl-glycine 1,10-phenanthroline platinum nitrate with human serum albumin and human hemoglobin proteins by spectroscopy methods and molecular docking. <i>Journal of the Iranian Chemical Society</i> , 2020 , 17, 1601-1614	2	7
29	Decoration of electrical conductive polyurethane-polyaniline/polyvinyl alcohol matrixes with mussel-inspired polydopamine for bone tissue engineering. <i>Biotechnology Progress</i> , 2020 , 36, e3043	2.8	9
28	A Photoclick Hydrogel for Enhanced Single-Cell Immunoblotting. <i>Advanced Functional Materials</i> , 2020 , 30, 1910739	15.6	3
27	Gold nanoparticles promote a multimodal synergistic cancer therapy strategy by co-delivery of thermo-chemo-radio therapy. <i>European Journal of Pharmaceutical Sciences</i> , 2020 , 145, 105235	5.1	36
26	Effects of lamellar microstructure of retinoic acid loaded-matrixes on physicochemical properties, migration, and neural differentiation of P19 embryonic carcinoma cells. <i>Journal of Polymer Engineering</i> , 2020 , 40, 647-656	1.4	1
25	The effects of gold nanoparticles characteristics and laser irradiation conditions on spatiotemporal temperature pattern of an agar phantom: A simulation and MR thermometry study. <i>Optik</i> , 2020 , 202, 163718	2.5	3
24	Microtubule network as a potential candidate for targeting by gold nanoparticle-assisted photothermal therapy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019 , 192, 131-140	6.7	16
23	Biological evaluations of newly-designed Pt(II) and Pd(II) complexes using spectroscopic and molecular docking approaches. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019 , 37, 3422-3433	3.6	6
22	Multiple Spectroscopic, Docking and Cytotoxic Study of a Synthesized 2,2'-Bipyridin Phenyl Isopentylglycin Pt(II) Nitrate Complex: Human Serum Albumin and Breast Cancer Cell Line of MDA-MB231 as Targets. <i>Journal of Fluorescence</i> , 2018 , 28, 551-559	2.4	4
21	Selective apoptosis induction in cancer cells using folate-conjugated gold nanoparticles and controlling the laser irradiation conditions. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018 , 46, 1026-1038	6.1	38
20	Multimodal cancer cell therapy using Au@FeO core-shell nanoparticles in combination with photo-thermo-radiotherapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018 , 24, 129-135	3.5	51
19	The Measurement and Mathematical Analysis of 5-Fu Release from Magnetic Polymeric Nanocapsules, following the Application of Ultrasound. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2018 , 18, 438-449	2.2	11
18	Effect of a Synthesized Amyl-Glycine1, 10-Phenanthroline Platinum Nitrate on Structure and Stability of Human Blood Carrier Protein, Albumin: Spectroscopic and Modeling Approaches. <i>Journal of Fluorescence</i> , 2017 , 27, 1829-1838	2.4	11
17	β-Lactoglobulin: An efficient nanocarrier for advanced delivery systems. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017 , 13, 1685-1692	6	52
16	Generation of reactive oxygen species via inhibition of liver catalase by oxali-palladium: A spectroscopic and docking study. <i>Process Biochemistry</i> , 2017 , 52, 165-173	4.8	18
15	Controlled release nutrition delivery based intelligent and targeted nanoparticle 2017 , 329-367		3
14	Destructive effect of anticancer oxali-palladium on heme degradation through the generation of endogenous hydrogen peroxide. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016 , 34, 2493-504	3.6	17
13	Protective effects of aspirin on the function of bovine liver catalase: A spectroscopy and molecular docking study. <i>Journal of Molecular Liquids</i> , 2016 , 218, 8-15	6	29

12	Probing the biological evaluations of a new designed Pt(II) complex using spectroscopic and theoretical approaches: human hemoglobin as a target. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016 , 34, 1123-31	3.6	30
11	The in Silico Insight into Carbon Nanotube and Nucleic Acid Bases Interaction. <i>Iranian Red Crescent Medical Journal</i> , 2016 , 18, e22953	1.3	
10	Inhibitory effects of deferasirox on the structure and function of bovine liver catalase: a spectroscopic and theoretical study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2015 , 33, 2255-66	3.6	55
9	Safranal as a novel anti-tubulin binding agent with potential use in cancer therapy: An in vitro study. <i>Chemico-Biological Interactions</i> , 2015 , 238, 151-60	5	16
8	Probing of the interaction between Hactoglobulin and the anticancer drug oxaliplatin. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 175, 974-87	3.2	49
7	Hactoglobulin nanoparticle as a chemotherapy agent carrier for oral drug delivery system. <i>Journal of the Iranian Chemical Society</i> , 2015 , 12, 613-619	2	38
6	Spectroscopic and theoretical investigation of oxali-palladium interactions with Hactoglobulin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 118, 1038-46	4.4	95
5	The new insight into oral drug delivery system based on metal drugs in colon cancer therapy through Hactoglobulin/oxali-palladium nanocapsules. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014 , 140, 255-65	6.7	28
4	Electromagnetic fields with 217 Hz and 0.2 mT as hazardous factors for tubulin structure and assembly (in vitro study). <i>Journal of the Iranian Chemical Society</i> , 2014 , 11, 1295-1304	2	2
3	Synaptosomal acetylcholinesterase activity variation pattern in the presence of electromagnetic fields. <i>International Journal of Biological Macromolecules</i> , 2014 , 65, 8-15	7.9	7
2	In vitro study on the alterations of brain tubulin structure and assembly affected by magnetite nanoparticles. <i>Journal of Biological Inorganic Chemistry</i> , 2013 , 18, 357-69	3.7	29
1	Theoretical Investigation of Carbon Nanotube Binding to DNA in View of Drug Delivery. <i>Journal of Computational and Theoretical Nanoscience</i> , 2011 , 8, 1212-1219	0.3	17