

# Behafarid Ghalandari

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,202  
citations

331259

21  
h-index

395343

33  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1168  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic and theoretical investigation of oxali-palladium interactions with $\hat{\text{I}}^2$ -lactoglobulin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 1038-1046.	2.0	107
2	Multimodal cancer cell therapy using Au@Fe <sub>2</sub> O <sub>3</sub> core-shell nanoparticles in combination with photo-thermo-radiotherapy. <i>Photodiagnosis and Photodynamic Therapy</i> , 2018, 24, 129-135.	1.3	71
3	$\hat{\text{I}}^2$ -Lactoglobulin: An efficient nanocarrier for advanced delivery systems. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1685-1692.	1.7	70
4	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.	1.9	68
5	Probing of the Interaction Between $\hat{\text{I}}^2$ -Lactoglobulin and the Anticancer Drug Oxaliplatin. <i>Applied Biochemistry and Biotechnology</i> , 2015, 175, 974-987.	1.4	67
6	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, 2255-2266.	2.0	62
7	$\hat{\text{I}}^2$ -Lactoglobulin nanoparticle as a chemotherapy agent carrier for oral drug delivery system. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 613-619.	1.2	46
8	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.	1.9	42
9	Protein-Based Hydrogels: Promising Materials for Tissue Engineering. <i>Polymers</i> , 2022, 14, 986.	2.0	41
10	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.	2.3	40
11	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.	3.8	38
12	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, 357-369.	1.1	37
13	Hairpin-spacer crRNA-Enhanced CRISPR/Cas13a System Promotes the Specificity of Single Nucleotide Polymorphism (SNP) Identification. <i>Advanced Science</i> , 2021, 8, 2003611.	5.6	37
14	The new insight into oral drug delivery system based on metal drugs in colon cancer therapy through $\hat{\text{I}}^2$ -lactoglobulin/oxali-palladium nanocapsules. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 140, 255-265.	1.7	35
15	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, 1123-1131.	2.0	34
16	A turn-on fluorescence sensor based on Cu <sup>2+</sup> modulated DNA-templated silver nanoclusters for glyphosate detection and mechanism investigation. <i>Food Chemistry</i> , 2022, 367, 130617.	4.2	32
17	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.	0.4	28
18	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.	1.7	28

#	ARTICLE	IF	CITATIONS
19	Immobilization of carboxymethyl chitosan/laponite on polycaprolactone nanofibers as osteoinductive bone scaffolds. <i>Polymers for Advanced Technologies</i> , 2021, 32, 755-765.	1.6	25
20	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.	1.8	24
21	Decoration of electrical conductive polyurethane-polyaniline/polyvinyl alcohol matrixes with mussel-inspired polydopamine for bone tissue engineering. <i>Biotechnology Progress</i> , 2020, 36, e3043.	1.3	24
22	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, 151-160.	1.7	23
23	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, 2493-2504.	2.0	20
24	2'-O-Methyl modified guide RNA promotes the single nucleotide polymorphism (SNP) discrimination ability of CRISPR-Cas12a systems. <i>Chemical Science</i> , 2022, 13, 2050-2061.	3.7	18
25	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.	1.3	17
26	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.	0.9	15
27	Polydopamine nanospheres coated with bovine serum albumin permit enhanced cell differentiation: fundamental mechanism and practical application for protein coating formation. <i>Nanoscale</i> , 2021, 13, 20098-20110.	2.8	14
28	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.	1.2	13
29	Encountering and Wrestling: Neutrophils Recognize and Defensively Degrade Graphene Oxide. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102439.	3.9	12
30	Recent Progresses in Electrochemical DNA Biosensors for MicroRNA Detection. <i>Phenomics</i> , 2022, 2, 18-32.	0.9	12
31	Synaptosomal acetylcholinesterase activity variation pattern in the presence of electromagnetic fields. <i>International Journal of Biological Macromolecules</i> , 2014, 65, 8-15.	3.6	11
32	Coating of Laponite on PLA Nanofibrous for Bone Tissue Engineering Application. <i>Macromolecular Research</i> , 2021, 29, 191-198.	1.0	10
33	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.	2.3	10
34	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.	2.0	8
35	A Photoclick Hydrogel for Enhanced Single-Cell Immunoblotting. <i>Advanced Functional Materials</i> , 2020, 30, 1910739.	7.8	7
36	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.	1.3	7

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37	Immobilization of cobalt-loaded laponite/carboxymethyl chitosan on polycaprolactone nanofiber for improving osteogenesis and angiogenesis activities. <i>Polymers for Advanced Technologies</i> , 2021, 32, 4362-4372.	1.6	7
38	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.	11.1	6
39	A Facile Method to Synthesize 3D Pomegranate-like Polydopamine Microspheres. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 737074.	2.0	6
40	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.	1.3	5
41	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.	1.4	5
42	Determinants of gold nanoparticle interactions with Proteins: Off-Target effect study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 269, 120736.	2.0	5
43	Electromagnetic fields with 217ÂHz 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.	1.2	4
44	Controlled release nutrition delivery based intelligent and targeted nanoparticle. , 2017, , 329-367.		4
45	Poly (N-vinylpyrrolidone) modification mitigates plasma protein corona formation on phosphomolybdate-based nanoparticles. <i>Journal of Nanobiotechnology</i> , 2021, 19, 445.	4.2	4
46	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.	1.2	2
47	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.	0.6	1
48	The in Silico Insight into Carbon Nanotube and Nucleic Acid Bases Interaction. <i>Iranian Red Crescent Medical Journal</i> , 2016, 18, e22953.	0.5	0
49	Single-Cell Screening: Single-Cell Immunoblotting based on a Photoclick Hydrogel Enables High-Throughput Screening and Accurate Profiling of Exogenous Gene Expression (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT (Overloc		
50	Synergistic effect of cell and molecule: imprinted substrates for bone tissue engineering. <i>Molecular Biology Reports</i> , 2022, , .	1.0	0
51	Bone Tissue Engineering by Cell-Imprinted Polydimethyl Silicone Surface and Î <sup>2</sup> -Carotene: An In Vitro Study. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 0, , .	0.7	0