

Bahram Goliaei

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

866
citations

516561

16
h-index

501076

28
g-index

52
all docs

52
docs citations

52
times ranked

3651
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein-protein interaction networks (PPI) and complex diseases. <i>Gastroenterology and Hepatology From Bed To Bench</i> , 2014, 7, 17-31.	0.6	115
2	Magnetic bio-metal-organic framework nanocomposites decorated with folic acid conjugated chitosan as a promising biocompatible targeted theranostic system for cancer treatment. <i>Materials Science and Engineering C</i> , 2019, 99, 805-815.	3.8	95
3	Antioxidant activity of low molecular weight alginate produced by thermal treatment. <i>Food Chemistry</i> , 2016, 196, 897-902.	4.2	93
4	Curcumin-lipoic acid conjugate as a promising anticancer agent on the surface of gold-iron oxide nanocomposites: A pH-sensitive targeted drug delivery system for brain cancer theranostics. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 114, 175-188.	1.9	68
5	Gold-capped mesoporous silica nanoparticles as an excellent enzyme-responsive nanocarrier for controlled doxorubicin delivery. <i>Journal of Drug Targeting</i> , 2019, 27, 1084-1093.	2.1	40
6	Photobiomodulation leads to enhanced radiosensitivity through induction of apoptosis and autophagy in human cervical cancer cells. <i>Journal of Biophotonics</i> , 2017, 10, 1732-1742.	1.1	37
7	Caffeic Acid Phenethyl Ester Increases Radiosensitivity of Estrogen Receptor-Positive and -Negative Breast Cancer Cells by Prolonging Radiation-Induced DNA Damage. <i>Journal of Breast Cancer</i> , 2016, 19, 18.	0.8	34
8	Enterolactone: A novel radiosensitizer for human breast cancer cell lines through impaired DNA repair and increased apoptosis. <i>Toxicology and Applied Pharmacology</i> , 2016, 313, 180-194.	1.3	28
9	Designing a new alginate-fibrinogen biomaterial composite hydrogel for wound healing. <i>Scientific Reports</i> , 2022, 12, 7213.	1.6	28
10	Inferring interaction type in gene regulatory networks using co-expression data. <i>Algorithms for Molecular Biology</i> , 2015, 10, 23.	0.3	22
11	Network-based approach reveals Y chromosome influences prostate cancer susceptibility. <i>Computers in Biology and Medicine</i> , 2014, 54, 24-31.	3.9	21
12	Equol as a potent radiosensitizer in estrogen receptor-positive and -negative human breast cancer cell lines. <i>Breast Cancer</i> , 2015, 22, 382-390.	1.3	21
13	Active repurposing of drug candidates for melanoma based on GWAS, PheWAS and a wide range of omics data. <i>Molecular Medicine</i> , 2019, 25, 30.	1.9	21
14	Plasmid DNA affinity partitioning using polyethylene glycol-sodium sulfate aqueous two-phase systems. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1044-1045, 112-119.	1.2	19
15	A biophysical study on the mechanism of interactions of DOX or PTX with α -lactalbumin as a delivery carrier. <i>Scientific Reports</i> , 2018, 8, 17345.	1.6	17
16	Apoptotic and necrotic effects of pectic acid on rat pituitary GH3/B6 tumor cells. <i>Iranian Biomedical Journal</i> , 2009, 13, 229-36.	0.4	17
17	Effects of barley β -glucan on radiation damage in the human hepatoma cell line HepG2. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 775-776, 1-6.	0.9	14
18	Theranostic α -Lactalbumin-Polymer-Based Nanocomposite as a Drug Delivery Carrier for Cancer Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 5189-5208.	2.6	14

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19	Exceptional pairs of amino acid neighbors in α -helices. FEBS Letters, 2003, 537, 121-127.	1.3	13
20	Identification and Characterization of Novel miRNAs in Chlamydomonas reinhardtii by Computational Methods. MicroRNA (Sharjah, United Arab Emirates), 2016, 5, 66-77.	0.6	12
21	Direct and indirect effects of exposure to 900 MHz GSM radiofrequency electromagnetic fields on CHO cell line: Evidence of bystander effect by non-ionizing radiation. Environmental Research, 2019, 174, 176-187.	3.7	12
22	Noise-driven cell differentiation and the emergence of spatiotemporal patterns. PLoS ONE, 2020, 15, e0232060.	1.1	12
23	Dormant Tumor Cell Vaccination: A Mathematical Model of Immunological Dormancy in Triple-Negative Breast Cancer. Cancers, 2021, 13, 245.	1.7	11
24	The state of the art of biomedical applications of optogenetics. Lasers in Surgery and Medicine, 2022, 54, 202-216.	1.1	11
25	Characterization of surface binding sites in glycoside hydrolases: A computational study. Journal of Molecular Recognition, 2017, 30, e2624.	1.1	10
26	Chameleon sequences in neurodegenerative diseases. Biochemical and Biophysical Research Communications, 2016, 472, 209-216.	1.0	9
27	Computational Identification of MicroRNAs and Their Transcript Target(s) in Field Mustard (Brassica Tj ETQq1 1 0.784314 rgBT /Ove 0.3 9	0.3	9
28	Lithium increases radiosensitivity by abrogating DNA repair in breast cancer spheroid culture. Archives of Iranian Medicine, 2014, 17, 352-60.	0.2	9
29	Modulation of cardiac optogenetics by vitamin A. BioFactors, 2019, 45, 983-990.	2.6	8
30	Systematic analysis of genes and diseases using PheWAS-Associated networks. Computers in Biology and Medicine, 2019, 109, 311-321.	3.9	7
31	An overview of the biological effects of extremely low frequency electromagnetic fields combined with ionizing radiation. Progress in Biophysics and Molecular Biology, 2022, 172, 50-59.	1.4	4
32	Effects of hyperthermia on the differentiation and growth of K562 erythroleukemic cell line. Leukemia Research, 2004, 28, 1323-1328.	0.4	3
33	Microdosimetry of DNA conformations: relation between direct effect of ^{60}Co gamma rays and topology of DNA geometrical models in the calculation of A-, B- and Z-DNA radiation-induced damage yields. Radiation and Environmental Biophysics, 2016, 55, 243-254.	0.6	3
34	A network biology approach to understanding the importance of chameleon proteins in human physiology and pathology. Amino Acids, 2017, 49, 303-315.	1.2	3
35	Optogenetic Stimulation of Primary Cardiomyocytes Expressing ChR2. Journal of Lasers in Medical Sciences, 2021, 12, e32-e32.	0.4	3
36	Butein combined with radiotherapy enhances radioresponse of gastric cancer cell by impairing DNA damage repair. Biochemical and Biophysical Research Communications, 2021, 570, 35-40.	1.0	3

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37	Mathematical modeling approach of cancer immunoediting reveals new insights in targeted-therapy and timing plan of cancer treatment. <i>Chaos, Solitons and Fractals</i> , 2021, 152, 111349.	2.5	3
38	Analysis of candidate genes has proposed the role of y chromosome in human prostate cancer. <i>Iranian Journal of Cancer Prevention</i> , 2014, 7, 204-11.	0.7	3
39	Dependency of codon usage on protein sequence patterns: a statistical study. <i>Theoretical Biology and Medical Modelling</i> , 2014, 11, 2.	2.1	2
40	Conifer: clonal tree inference for tumor heterogeneity with single-cell and bulk sequencing data. <i>BMC Bioinformatics</i> , 2021, 22, 416.	1.2	2
41	Variability of the Cyclin-Dependent Kinase 2 Flexibility Without Significant Change in the Initial Conformation of the Protein or Its Environment; a Computational Study. <i>Iranian Journal of Biotechnology</i> , 2016, 14, 1-12.	0.3	2
42	Effect of a Neoflavonoid (Dalbergin) on T47D Breast Cancer Cell Line and mRNA Levels of p53, Bcl-2, and STAT3 Genes. <i>Iranian Red Crescent Medical Journal</i> , 2019, In Press, .	0.5	2
43	Comparative Analysis of Prostate Cancer Gene Regulatory Networks via Hub Type Variation. <i>Avicenna Journal of Medical Biotechnology</i> , 2015, 7, 8-15.	0.2	2
44	Protein Complex Discovery by Interaction Filtering from Protein Interaction Networks Using Mutual Rank Coexpression and Sequence Similarity. <i>BioMed Research International</i> , 2015, 2015, 1-7.	0.9	1
45	Class II Hydrophobin HFBII: A Potential Carrier for Antitumor Agents. <i>Current Bioactive Compounds</i> , 2020, 16, 80-84.	0.2	1
46	Unfolding mechanism of PHD2 as a vital protein: all-atom simulation approach. <i>Journal of the Iranian Chemical Society</i> , 2013, 10, 907-914.	1.2	0
47	Modeling the probability distribution of the bacterial burst size via a game-theoretic approach. <i>Journal of Bioinformatics and Computational Biology</i> , 2018, 16, 1850012.	0.3	0
48	A novel pattern matching algorithm for genomic patterns related to protein motifs. <i>Journal of Bioinformatics and Computational Biology</i> , 2020, 18, 2050011.	0.3	0
49	Pectic acid effects on prolactin secretion in GH3/B6 rat pituitary cell line. <i>Iranian Biomedical Journal</i> , 2008, 12, 167-72.	0.4	0
50	Analyzing large scale gene expression data in colorectal cancer reveals important clues; CLCA1 and SELENBP1 downregulated in CRC not in normal and not in adenoma.. <i>American Journal of Cancer Research</i> , 2022, 12, 371-380.	1.4	0