Parviz Abdolmaleki

List of Publications by Year
in descending order

89 papers	1,729 citations	331259 21 h-index	329751 37 g-index
94 all docs	94 docs citations	94 times ranked	1728 citing authors

#	Article	IF	Citations
1	Post-translational modifications in proteins: resources, tools and prediction methods. Database: the Journal of Biological Databases and Curation, 2021, 2021, .	1.4	277
2	Effects of magnetic field on the antioxidant enzyme activities of suspension-cultured tobacco cells. Bioelectromagnetics, 2007, 28, 42-47.	0.9	111
3	Synthesis and visible-light photocatalytic activity of In,S-TiO2@rGO nanocomposite for degradation and detoxification of pesticide atrazine in water. Chemical Engineering Journal, 2018, 345, 300-311.	6.6	93
4	Evaluation of post-translational modifications in histone proteins: A review on histone modification defects in developmental and neurological disorders. Journal of Biosciences, 2020, 45, 1.	0.5	79
5	Novel two-stage hybrid neural discriminant model for predicting proteins structural classes. Biophysical Chemistry, 2007, 128, 87-93.	1.5	59
6	Feature extraction and classification of breast cancer on dynamic magnetic resonance imaging using artificial neural network. Cancer Letters, 2001, 171, 183-191.	3.2	55
7	Prediction of membrane protein types by means of wavelet analysis and cascaded neural networks. Journal of Theoretical Biology, 2008, 254, 817-820.	0.8	49
8	Increase of seed germination, growth and membrane integrity of wheat seedlings by exposure to static and a 10-KHz electromagnetic field. Electromagnetic Biology and Medicine, 2013, 32, 417-429.	0.7	39
9	A review on antimicrobial peptides databases and the computational tools. Database: the Journal of Biological Databases and Curation, 2022, 2022, .	1.4	37
10	Neural networks analysis of astrocytic gliomas from MRI appearances. Cancer Letters, 1997, 118, 69-78.	3.2	36
11	Thrombosis in COVID-19 infection: Role of platelet activation-mediated immunity. Thrombosis Journal, 2021, 19, 59.	0.9	36
12	Novel hybrid method for the evaluation of parameters contributing in determination of protein structural classes. Journal of Theoretical Biology, 2007, 244, 275-281.	0.8	35
13	Static magnetic fields aggravate the effects of ionizing radiation on cell cycle progression in bone marrow stem cells. Micron, 2010, 41, 101-104.	1.1	34
14	Oxidative stress in broad bean (Vicia faba L.) induced by static magnetic field under natural radioactivity. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2012, 741, 116-121.	0.9	34
15	The Static Magnetic Field Remotely Boosts the Efficiency of Doxorubicin through Modulating ROS Behaviors. Scientific Reports, 2018, 8, 990.	1.6	32
16	Investigation on the effect of static magnetic field up to 15 mT on the viability and proliferation rate of rat bone marrow stem cells. In Vitro Cellular and Developmental Biology - Animal, 2013, 49, 212-219.	0.7	31
17	Modification of catalase and MAPK in Vicia faba cultivated in soil with high natural radioactivity and treated with a static magnetic field. Journal of Plant Physiology, 2014, 171, 99-103.	1.6	27
18	Antioxidant capacity of parsley cells (<i>Petroselinum crispum</i> L.) in relation to iron-induced ferritin levels and static magnetic field. Electromagnetic Biology and Medicine, 2013, 32, 430-441.	0.7	26

#	Article	IF	Citations
19	Sequence and structural parameters enhancing adaptation of proteins to low temperatures. Journal of Theoretical Biology, 2007, 246, 159-166.	0.8	25
20	Î³-Turn types prediction in proteins using the support vector machines. Journal of Theoretical Biology, 2007, 249, 785-790.	0.8	24
21	Machine Learning Techniques for Soybean Charcoal Rot Disease Prediction. Frontiers in Plant Science, 2020, 11, 590529.	1.7	24
22	Application of magnetic field and iron in order to change medicinal products of Ocimum basilicum. The Environmentalist, 2007, 27, 429-434.	0.7	22
23	Peroxidase activity, lignification and promotion of cell death in tobacco cells exposed to static magnetic field. The Environmentalist, 2007, 27, 435-440.	0.7	22
24	Simultaneous spectrophotometric determination of cyproterone acetate and ethinyl estradiol in tablets using continuous wavelet and derivative transform. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 107-111.	2.0	22
25	Prevalent Mutations of Human Prion Protein: A Molecular Modeling and Molecular Dynamics Study. Journal of Biomolecular Structure and Dynamics, 2011, 29, 379-389.	2.0	21
26	Static magnetic field of 6 mT induces apoptosis and alters cell cycle in p53 mutant Jurkat cells. Electromagnetic Biology and Medicine, 2013, 32, 9-19.	0.7	20
27	Static Magnetic Field Effect on Cell Alignment, Growth, and Differentiation in Human Cord-Derived Mesenchymal Stem Cells. Cellular and Molecular Bioengineering, 2017, 10, 249-262.	1.0	19
28	A combinatorial feature selection approach to describe the QSAR of dual site inhibitors of acetylcholinesterase. Computers in Biology and Medicine, 2009, 39, 1089-1095.	3.9	18
29	Differential miRNAs expression pattern of irradiated breast cancer cell lines is correlated with radiation sensitivity. Scientific Reports, 2020, 10, 9054.	1.6	18
30	Magnetic Metal–Organic Framework Based on Zinc and 5-Aminolevulinic Acid: MR Imaging and Brain Tumor Therapy. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 1208-1216.	1.9	18
31	Maintenance of membrane integrity and increase of taxanes production in hazel (Corylus avellana L.) cells induced by low-intensity ultrasound. Biotechnology Letters, 2012, 34, 1137-1141.	1.1	17
32	Analysis and identification of -turn types using multinomial logistic regression and artificial neural network. Bioinformatics, 2007, 23, 3125-3130.	1.8	16
33	Comparing performances of logistic regression and neural networks for predicting melatonin excretion patterns in the rat exposed to ELF magnetic fields. Bioelectromagnetics, 2010, 31, 164-171.	0.9	16
34	An in vitro study of the impact of 4mT static magnetic field to modify the differentiation rate of rat bone marrow stem cells into primordial germ cells. Differentiation, 2014, 87, 230-237.	1.0	15
35	Simultaneous application of cisplatin and static magnetic field enhances oxidative stress in HeLa cell line. In Vitro Cellular and Developmental Biology - Animal, 2017, 53, 783-790.	0.7	15
36	Understanding the inhibitory mechanism of BIT225 drug against p7 viroporin using computational study. Biophysical Chemistry, 2018, 233, 47-54.	1.5	15

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37	Elucidating the protein cold-adaptation: Investigation of the parameters enhancing protein psychrophilicity. Journal of Theoretical Biology, 2008, 255, 113-118.	0.8	14
38	The expression of pluripotency and neuronal differentiation markers under the influence of electromagnetic field and nitric oxide. Molecular and Cellular Neurosciences, 2017, 85, 19-28.	1.0	14
39	Prediction of future citations of a research paper from number of its internet downloads. Medical Hypotheses, 2007, 69, 458-459.	0.8	13
40	Investigation on the effect of static magnetic field up to 30â€‰mT on viability percent, proliferation rate and IC50of HeLa and fibroblast cells. Electromagnetic Biology and Medicine, 2015, 34, 216-220.	0.7	13
41	Combination of static magnetic field and cisplatin in order to reduce drug resistance in cancer cell lines. International Journal of Radiation Biology, 2019, 95, 1194-1201.	1.0	13
42	Predicting protein phosphorylation sites in soybean using interpretable deep tabular learning network. Briefings in Bioinformatics, 2022, 23, .	3.2	12
43	Protein psychrophilicity: Role of residual structural properties in adaptation of proteins to low temperatures. Journal of Theoretical Biology, 2007, 248, 721-726.	0.8	11
44	Energy saving and improvement of metabolism of cultured tobacco cells upon exposure to 2-D clinorotation. Journal of Plant Physiology, 2019, 234-235, 36-43.	1.6	11
45	Predictions of Protein-Protein Interfaces within Membrane Protein Complexes. Avicenna Journal of Medical Biotechnology, 2013, 5, 148-57.	0.2	11
46	QSARs and activity predicting models for competitive inhibitors of adenosine deaminase. FEBS Letters, 2007, 581, 506-514.	1.3	10
47	Effects of halogen substitution on Watsonâ€"Crick base pairing: A possible mechanism for radiosensitivity. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 5256-5260.	1.0	9
48	An investigation on the response of PADC detectors to neutrons. Applied Radiation and Isotopes, 2011, 69, 340-345.	0.7	9
49	Electromagnetic field therapy in cardiovascular diseases: A review of patents, clinically effective devices, and mechanism of therapeutic effects. Trends in Cardiovascular Medicine, 2023, 33, 72-78.	2.3	9
50	Simultaneous quantitative determination of Amlodipine and Atorvastatin in tablets using artificial neural networks. Mathematical and Computer Modelling, 2013, 58, 1588-1594.	2.0	8
51	Investigation of the effects of static magnetic field on apoptosis in bone marrow stem cells of rat. The Environmentalist, 2009, 29, 220-224.	0.7	7
52	Landslide susceptibility mapping using backpropagation neural networks and logistic regression: The Sephidargole case study, Semnan, Iran. Geomechanics and Geoengineering, 2011, 6, 237-250.	0.9	7
53	Study the effect of static magnetic field on chromosomal aberrations on Vicia faba in area with high natural radioactivity. The Environmentalist, 2011, 31, 169-175.	0.7	7
54	Gamma radiation alters cell cycle and induces apoptosis in p53 mutant E6.1 Jurkat cells. Applied Radiation and Isotopes, 2013, 71, 29-33.	0.7	7

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55	Evaluation of post-translational modifications in histone proteins: A review on histone modification defects in developmental and neurological disorders. Journal of Biosciences, 2020, 45, .	0.5	7
56	Assessment of BIV1-CovIran inactivated vaccine–elicited neutralizing antibody against the emerging SARS-CoV-2 variants of concern. Clinical Microbiology and Infection, 2022, 28, 882.e1-882.e7.	2.8	7
57	A quantitative structure–activity relationship study on HIV-1 integrase inhibitors using genetic algorithm, artificial neural networks and different statistical methods. Arabian Journal of Chemistry, 2016, 9, S185-S190.	2.3	6
58	Stable morphological–physiological and neural protein expression changes in rat bone marrow mesenchymal stem cells treated with electromagnetic field and nitric oxide. Bioelectromagnetics, 2017, 38, 592-601.	0.9	6
59	Aflatoxin M1 detoxification from infected milk using Fe_3O_4 nanoparticles attached to specific aptamer. Journal of Nanostructure in Chemistry, 2018, 8, 13-22.	5.3	6
60	Role of non-coding RNAs in response of breast cancer to radiation therapy. Molecular Biology Reports, 2022, 49, 5199-5208.	1.0	6
61	Mutation in a valine residue induces drastic changes in 3D structure of human prion protein. Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences, 2012, 6, 47-51.	1.1	5
62	A novel hybrid method of beta-turn identification in protein using binary logistic regression and neural network. EXCLI Journal, 2012, 11, 346-56.	0.5	5
63	Linear and non-linear quantitative structure-activity relationship models on indole substitution patterns as inhibitors of HIV-1 attachment. Indian Journal of Biochemistry and Biophysics, 2012, 49, 202-10.	0.2	5
64	Non-linear quantitative structure–activity relationship for adenine derivatives as competitive inhibitors of adenosine deaminase. Biochemical and Biophysical Research Communications, 2005, 338, 1137-1142.	1.0	4
65	Analysis of factors that induce cysteine bonding state. Computers in Biology and Medicine, 2009, 39, 332-339.	3.9	4
66	Prediction of melatonin excretion patterns in the rat exposed to ELF magnetic fields based on support vector machine and linear discriminant analysis. Micron, 2010, 41, 882-885.	1.1	4
67	Curvelet analysis of breast masses on dynamic magnetic resonance mammography. IET Image Processing, 2018, 12, 745-750.	1.4	4
68	Platinum(II) complexes containing hydrazide–based aminophosphine ligands: Synthesis, molecular structures, computational investigation and evaluation as antitumour agents. Applied Organometallic Chemistry, 2019, 33, e4873.	1.7	4
69	Effects of repeated exposure to 50 Hz electromagnetic field on breast cancer cells. Electromagnetic Biology and Medicine, 2022, 41, 44-51.	0.7	4
70	Detection of glioblastoma multiforme using quantitative molecular magnetic resonance imaging based on 5-aminolevulinic acid: in vitro and in vivo studies. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 3-15.	1.1	4
71	Magnetic field exposure alters the expression of DNA repair genes. Journal of Cellular Immunotherapy, 2017, 3, 3.	0.6	3
72	Genetic variation and risk of DNA damage in peripheral blood lymphocytes of Iranian formaldehyde-exposed workers. Human and Experimental Toxicology, 2018, 37, 690-696.	1.1	3

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73	Inhibition potential evaluation of two synthetic bis-indole compounds on amyloid fibrillation: a molecular simulation study. Journal of Biomolecular Structure and Dynamics, 2022, 40, 4051-4061.	2.0	3
74	Genotoxic stress of particulate matter in the electric furnace of an iron casting industry on human lung epithelial cells; an inÂvitro study. Toxin Reviews, 2020, , 1-7.	1.5	3
75	Quantitative structureâ€"activity relationships study of tyrosinase inhibitors using logistic regression and artificial neural networks. Journal of the Iranian Chemical Society, 2012, 9, 643-653.	1.2	2
76	Investigation of gene expressions in differentiated cell derived bone marrow stem cells during bone morphogenetic protein-4 treatments with Fourier transform infrared spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 695-703.	2.0	2
77	Molecular properties of Ca^{2+} transport through TRPV2 channel: a molecular dynamics simulations study. Journal of Biomolecular Structure and Dynamics, 2023, 41, 3892-3899.	2.0	2
78	Estimating the two graph dextranâ€"stearic acidâ€"spermine polymers based on iron oxide nanoparticles as carrier for gene delivery. Biopolymers, 2022, 113, e23491.	1.2	2
79	Molecular dynamics investigation on structural and transport properties of p7 ion channel. Journal of Biomolecular Structure and Dynamics, 2017, 35, 2725-2735.	2.0	1
80	Sensitivity Study of PADC Track Detector with External Radiators. Journal of Applied Sciences, 2010, 10, 3127-3131.	0.1	1
81	Feature Extraction and Classification of Breast Tumors Using Chaos and Fractal Analysis on Dynamic Magnetic Resonance Imaging. Iranian Red Crescent Medical Journal, 2016, 19, .	0.5	1
82	Prediction of RNA- and DNA-Binding Proteins Using Various Machine Learning Classifiers. Avicenna Journal of Medical Biotechnology, 2019, 11, 104-111.	0.2	1
83	Lung cell toxicity of co-exposure to airborne particulate matter and extremely low-frequency magnetic field. Xenobiotica, 2022, 52, 370-379.	0.5	1
84	Determination of 90Sr in milk and milk powder in Tehran and estimation of annual effective dose. The Environmentalist, 2011, 31, 308-314.	0.7	0
85	Chaos analysis of breast masses on dynamic magnetic resonance mammography. , 2016, , .		0
86	Effect of Co-Treatment with Static Magnetic Fieldand Cis-diamminedichloroplatinum(II) on Apoptosis and Cell Cycle Progression in HeLa Cell Line and Hu02. Cytology and Genetics, 2021, 55, 162-170.	0.2	0
87	A Review and Comparative Assessment of Machine Learning Approaches for Interaction Site Prediction in Membrane Proteins. Current Bioinformatics, 2015, 10, 284-291.	0.7	0
88	Evaluation of Anti-Cancer Effects of Caspian Cobra (Naja naja oxiana) Snake Venom in Comparison with Doxorubicin in HeLa Cancer Cell Line and Normal HFF Fibroblast. Majallah-i DÄnishgÄh-i â€™UlÅ«m-i PizishkÄ«-i ÄªlÄm, 2021, 29, 20-27.	0.1	0
89	Comparison of the effects of ultrasound in a repetitive mode and acoustically active liposphere in the presence of doxorubicin on breast adenocarcinoma. Journal of Cancer Research and Therapeutics, 2020, 16, 1250.	0.3	0