

Parviz Abdolmaleki

List of Publications by Citations

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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.

82
papers

1,025
citations

18
h-index

27
g-index

94
ext. papers

1,340
ext. citations

3.5
avg, IF

4.77
L-index

#	Paper	IF	Citations
82	Effects of magnetic field on the antioxidant enzyme activities of suspension-cultured tobacco cells. <i>Bioelectromagnetics</i> , 2007 , 28, 42-7	1.6	82
81	Synthesis and visible-light photocatalytic activity of In,S-TiO ₂ @rGO nanocomposite for degradation and detoxification of pesticide atrazine in water. <i>Chemical Engineering Journal</i> , 2018 , 345, 300-311	14.7	61
80	Novel two-stage hybrid neural discriminant model for predicting proteins structural classes. <i>Biophysical Chemistry</i> , 2007 , 128, 87-93	3.5	52
79	Posttranslational modifications in proteins: resources, tools and prediction methods. <i>Database: the Journal of Biological Databases and Curation</i> , 2021 , 2021,	5	48
78	Feature extraction and classification of breast cancer on dynamic magnetic resonance imaging using artificial neural network. <i>Cancer Letters</i> , 2001 , 171, 183-91	9.9	47
77	Prediction of membrane protein types by means of wavelet analysis and cascaded neural networks. <i>Journal of Theoretical Biology</i> , 2008 , 254, 817-20	2.3	44
76	Static magnetic fields aggravate the effects of ionizing radiation on cell cycle progression in bone marrow stem cells. <i>Micron</i> , 2010 , 41, 101-4	2.3	31
75	Neural networks analysis of astrocytic gliomas from MRI appearances. <i>Cancer Letters</i> , 1997 , 118, 69-78	9.9	31
74	Novel hybrid method for the evaluation of parameters contributing in determination of protein structural classes. <i>Journal of Theoretical Biology</i> , 2007 , 244, 275-81	2.3	31
73	Oxidative stress in broad bean (<i>Vicia faba</i> L.) induced by static magnetic field under natural radioactivity. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012 , 741, 116-21	3	26
72	Increase of seed germination, growth and membrane integrity of wheat seedlings by exposure to static and a 10-KHz electromagnetic field. <i>Electromagnetic Biology and Medicine</i> , 2013 , 32, 417-29	2.2	23
71	Sequence and structural parameters enhancing adaptation of proteins to low temperatures. <i>Journal of Theoretical Biology</i> , 2007 , 246, 159-66	2.3	23
70	gamma-Turn types prediction in proteins using the support vector machines. <i>Journal of Theoretical Biology</i> , 2007 , 249, 785-90	2.3	23
69	Investigation on the effect of static magnetic field up to 15mT on the viability and proliferation rate of rat bone marrow stem cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2013 , 49, 212-9	2.6	22
68	Prevalent mutations of human prion protein: a molecular modeling and molecular dynamics study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2011 , 29, 379-89	3.6	20
67	Simultaneous spectrophotometric determination of cyproterone acetate and ethinyl estradiol in tablets using continuous wavelet and derivative transform. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 77, 107-11	4.4	20
66	Antioxidant capacity of parsley cells (<i>Petroselinum crispum</i> L.) in relation to iron-induced ferritin levels and static magnetic field. <i>Electromagnetic Biology and Medicine</i> , 2013 , 32, 430-41	2.2	19

65	Modification of catalase and MAPK in <i>Vicia faba</i> cultivated in soil with high natural radioactivity and treated with a static magnetic field. <i>Journal of Plant Physiology</i> , 2014 , 171, 99-103	3.6	18
64	Static magnetic field of 6mT induces apoptosis and alters cell cycle in p53 mutant Jurkat cells. <i>Electromagnetic Biology and Medicine</i> , 2013 , 32, 9-19	2.2	18
63	A combinatorial feature selection approach to describe the QSAR of dual site inhibitors of acetylcholinesterase. <i>Computers in Biology and Medicine</i> , 2009 , 39, 1089-95	7	18
62	The Static Magnetic Field Remotely Boosts the Efficiency of Doxorubicin through Modulating ROS Behaviors. <i>Scientific Reports</i> , 2018 , 8, 990	4.9	17
61	Evaluation of post-translational modifications in histone proteins: A review on histone modification defects in developmental and neurological disorders. <i>Journal of Biosciences</i> , 2020 , 45, 1	2.3	16
60	Comparing performances of logistic regression and neural networks for predicting melatonin excretion patterns in the rat exposed to ELF magnetic fields. <i>Bioelectromagnetics</i> , 2010 , 31, 164-71	1.6	15
59	Peroxidase activity, lignification and promotion of cell death in tobacco cells exposed to static magnetic field. <i>The Environmentalist</i> , 2007 , 27, 435-440		14
58	Application of magnetic field and iron in order to change medicinal products of <i>Ocimum basilicum</i> . <i>The Environmentalist</i> , 2007 , 27, 429-434		13
57	Analysis and identification of beta-turn types using multinomial logistic regression and artificial neural network. <i>Bioinformatics</i> , 2007 , 23, 3125-30	7.2	13
56	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. <i>Differentiation</i> , 2014 , 87, 230-7	3.5	12
55	Maintenance of membrane integrity and increase of taxanes production in hazel (<i>Corylus avellana</i> L.) cells induced by low-intensity ultrasound. <i>Biotechnology Letters</i> , 2012 , 34, 1137-41	3	12
54	Elucidating the protein cold-adaptation: Investigation of the parameters enhancing protein psychrophilicity. <i>Journal of Theoretical Biology</i> , 2008 , 255, 113-8	2.3	12
53	Investigation on the effect of static magnetic field up to 30 mT on viability percent, proliferation rate and IC50 of HeLa and fibroblast cells. <i>Electromagnetic Biology and Medicine</i> , 2015 , 34, 216-20	2.2	11
52	Static Magnetic Field Effect on Cell Alignment, Growth, and Differentiation in Human Cord-Derived Mesenchymal Stem Cells. <i>Cellular and Molecular Bioengineering</i> , 2017 , 10, 249-262	3.9	10
51	Prediction of future citations of a research paper from number of its internet downloads. <i>Medical Hypotheses</i> , 2007 , 69, 458-9	3.8	10
50	Predictions of Protein-Protein Interfaces within Membrane Protein Complexes. <i>Avicenna Journal of Medical Biotechnology</i> , 2013 , 5, 148-57	1.4	10
49	Magnetic Metal-Organic Framework Based on Zinc and 5-Aminolevulinic Acid: MR Imaging and Brain Tumor Therapy. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 1208-1216	3.2	10
48	Understanding the inhibitory mechanism of BIT225 drug against p7 viroporin using computational study. <i>Biophysical Chemistry</i> , 2018 , 233, 47-54	3.5	10

47	Simultaneous application of cisplatin and static magnetic field enhances oxidative stress in HeLa cell line. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2017 , 53, 783-790	2.6	9
46	Differential miRNAs expression pattern of irradiated breast cancer cell lines is correlated with radiation sensitivity. <i>Scientific Reports</i> , 2020 , 10, 9054	4.9	9
45	Effects of halogen substitution on Watson-Crick base pairing: a possible mechanism for radiosensitivity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 5256-60	2.9	9
44	Protein psychrophilicity: role of residual structural properties in adaptation of proteins to low temperatures. <i>Journal of Theoretical Biology</i> , 2007 , 248, 721-6	2.3	9
43	QSARs and activity predicting models for competitive inhibitors of adenosine deaminase. <i>FEBS Letters</i> , 2007 , 581, 506-14	3.8	9
42	An investigation on the response of PADC detectors to neutrons. <i>Applied Radiation and Isotopes</i> , 2011 , 69, 340-5	1.7	8
41	The expression of pluripotency and neuronal differentiation markers under the influence of electromagnetic field and nitric oxide. <i>Molecular and Cellular Neurosciences</i> , 2017 , 85, 19-28	4.8	7
40	Gamma radiation alters cell cycle and induces apoptosis in p53 mutant E6.1 Jurkat cells. <i>Applied Radiation and Isotopes</i> , 2013 , 71, 29-33	1.7	7
39	Machine Learning Techniques for Soybean Charcoal Rot Disease Prediction. <i>Frontiers in Plant Science</i> , 2020 , 11, 590529	6.2	7
38	Thrombosis in COVID-19 infection: Role of platelet activation-mediated immunity. <i>Thrombosis Journal</i> , 2021 , 19, 59	5.6	7
37	A review on antimicrobial peptides databases and the computational tools.. <i>Database: the Journal of Biological Databases and Curation</i> , 2022 , 2022,	5	7
36	Combination of static magnetic field and cisplatin in order to reduce drug resistance in cancer cell lines. <i>International Journal of Radiation Biology</i> , 2019 , 95, 1194-1201	2.9	6
35	A quantitative structure-activity relationship study on HIV-1 integrase inhibitors using genetic algorithm, artificial neural networks and different statistical methods. <i>Arabian Journal of Chemistry</i> , 2016 , 9, S185-S190	5.9	6
34	Simultaneous quantitative determination of Amlodipine and Atorvastatin in tablets using artificial neural networks. <i>Mathematical and Computer Modelling</i> , 2013 , 58, 1588-1594		6
33	Study the effect of static magnetic field on chromosomal aberrations on Vicia faba in area with high natural radioactivity. <i>The Environmentalist</i> , 2011 , 31, 169-175		6
32	Investigation of the effects of static magnetic field on apoptosis in bone marrow stem cells of rat. <i>The Environmentalist</i> , 2009 , 29, 220-224		6
31	Energy saving and improvement of metabolism of cultured tobacco cells upon exposure to 2-D clinorotation. <i>Journal of Plant Physiology</i> , 2019 , 234-235, 36-43	3.6	6
30	Landslide susceptibility mapping using backpropagation neural networks and logistic regression: The Sephidargole case study, Semnan, Iran. <i>Geomechanics and Geoengineering</i> , 2011 , 6, 237-250	1.4	5

29	Non-linear quantitative structure-activity relationship for adenine derivatives as competitive inhibitors of adenosine deaminase. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 338, 1137-42	3.4	4
28	A novel hybrid method of beta-turn identification in protein using binary logistic regression and neural network. <i>EXCLI Journal</i> , 2012 , 11, 346-56	2.4	4
27	Aflatoxin M1 detoxification from infected milk using Fe ₃ O ₄ nanoparticles attached to specific aptamer. <i>Journal of Nanostructure in Chemistry</i> , 2018 , 8, 13-22	7.6	4
26	Linear and non-linear quantitative structure-activity relationship models on indole substitution patterns as inhibitors of HIV-1 attachment. <i>Indian Journal of Biochemistry and Biophysics</i> , 2012 , 49, 202-10		4
25	Analysis of factors that induce cysteine bonding state. <i>Computers in Biology and Medicine</i> , 2009 , 39, 332-9		3
24	Mutation in a valine residue induces drastic changes in 3D structure of human prion protein. <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , 2012 , 6, 47-51	0.7	3
23	Evaluation of post-translational modifications in histone proteins: A review on histone modification defects in developmental and neurological disorders. <i>Journal of Biosciences</i> , 2020 , 45,	2.3	3
22	Platinum(II) complexes containing hydrazide-based aminophosphine ligands: Synthesis, molecular structures, computational investigation and evaluation as antitumour agents. <i>Applied Organometallic Chemistry</i> , 2019 , 33, e4873	3.1	2
21	Genotoxic stress of particulate matter in the electric furnace of an iron casting industry on human lung epithelial cells; an in vitro study. <i>Toxin Reviews</i> , 2020 , 1-7	2.3	2
20	Genetic variation and risk of DNA damage in peripheral blood lymphocytes of Iranian formaldehyde-exposed workers. <i>Human and Experimental Toxicology</i> , 2018 , 37, 690-696	3.4	2
19	Curvelet analysis of breast masses on dynamic magnetic resonance mammography. <i>IET Image Processing</i> , 2018 , 12, 745-750	1.7	2
18	Stable morphological-physiological and neural protein expression changes in rat bone marrow mesenchymal stem cells treated with electromagnetic field and nitric oxide. <i>Bioelectromagnetics</i> , 2017 , 38, 592-601	1.6	2
17	Investigation of gene expressions in differentiated cell derived bone marrow stem cells during bone morphogenetic protein-4 treatments with Fourier transform infrared spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017 , 173, 695-703	4.4	2
16	Quantitative structure-activity relationships study of tyrosinase inhibitors using logistic regression and artificial neural networks. <i>Journal of the Iranian Chemical Society</i> , 2012 , 9, 643-653	2	2
15	Prediction of melatonin excretion patterns in the rat exposed to ELF magnetic fields based on support vector machine and linear discriminant analysis. <i>Micron</i> , 2010 , 41, 882-5	2.3	2
14	Inhibition potential evaluation of two synthetic bis-indole compounds on amyloid fibrillation: a molecular simulation study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 1-11	3.6	2
13	Molecular dynamics investigation on structural and transport properties of p7 ion channel. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017 , 35, 2725-2735	3.6	1
12	Electromagnetic field therapy in cardiovascular diseases: A review of patents, clinically effective devices, and mechanism of therapeutic effects. <i>Trends in Cardiovascular Medicine</i> , 2021 ,	6.9	1

11	Sensitivity Study of PADC Track Detector with External Radiators. <i>Journal of Applied Sciences</i> , 2010 , 10, 3127-3131	0.3	1
10	Detection of glioblastoma multiforme using quantitative molecular magnetic resonance imaging based on 5-aminolevulinic acid: in vitro and in vivo studies. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2021 , 35, 3	2.8	1
9	Estimating the two graph dextran-stearic acid-spermine polymers based on iron oxide nanoparticles as carrier for gene delivery.. <i>Biopolymers</i> , 2022 , e23491	2.2	1
8	Prediction of RNA- and DNA-Binding Proteins Using Various Machine Learning Classifiers. <i>Avicenna Journal of Medical Biotechnology</i> , 2019 , 11, 104-111	1.4	0
7	Role of non-coding RNAs in response of breast cancer to radiation therapy.. <i>Molecular Biology Reports</i> , 2022 , 1	2.8	0
6	Molecular properties of Ca transport through TRPV2 channel: a molecular dynamics simulations study.. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022 , 1-8	3.6	0
5	Determination of ⁹⁰ Sr in milk and milk powder in Tehran and estimation of annual effective dose. <i>The Environmentalist</i> , 2011 , 31, 308-314		
4	Effect of Co-Treatment with Static Magnetic Field and Cis-diamminedichloroplatinum(II) on Apoptosis and Cell Cycle Progression in HeLa Cell Line and Hu02. <i>Cytology and Genetics</i> , 2021 , 55, 162-170	0.7	
3	Evaluation of Anti-Cancer Effects of Caspian Cobra (<i>Naja naja oxiana</i>) Snake Venom in Comparison with Doxorubicin in HeLa Cancer Cell Line and Normal HFF Fibroblast. <i>Majallah-i Dāshgāh-i Wāzān-i Pizishkī</i> , 2021 , 29, 20-27	0.3	
2	Comparison of the effects of ultrasound in a repetitive mode and acoustically active lipospheres in the presence of doxorubicin on breast adenocarcinoma. <i>Journal of Cancer Research and Therapeutics</i> , 2020 , 16, 1250-1257	1.2	
1	Lung cell toxicity of co-exposure to airborne particulate matter and extremely low-frequency magnetic field. <i>Xenobiotica</i> , 1-10	2	