Gholamhossein Riazi

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Protection of Beta Boswellic Acid against Streptozotocin-induced Alzheimer's Model by Reduction of Tau Phosphorylation Level and Enhancement of Reelin Expression. Planta Medica, 2022, 88, 367-379.	1.3	8
2	Supplementation of freezing medium with encapsulated or free glutathione during cryopreservation of bull sperm. Reproduction in Domestic Animals, 2022, , .	1.4	2
3	Unravelling the Novel Effects of Three Volatile Compounds in Preventing Fibril Formation of Disease Related Tau and α-Synuclein Proteins- Towards Identifying Candidate Aromatic Substances for Treating Neurodegenerative Diseases. Frontiers in Pharmacology, 2022, 13, 793727.	3.5	2
4	Absorption Analysis of Photosystem I in Different Plants for Biohybrid Solar Cell Applications. Energy Technology, 2022, 10, .	3.8	2
5	Numerical Evaluation of Novel Bioâ€Photovoltaic Devices Inspired by Photosynthetic Process and High Poly (3,4â€Ethylenedioxythiophene): Poly (styrenesulfonate) Efficacy as Hole Transport Layer. Energy Technology, 2022, 10, .	3.8	1
6	Interplay of isoform 1N4R tau protein and amyloid-β peptide fragment 25–35 in reducing and non-reducing conditions. Journal of Biochemistry, 2021, 169, 119-134.	1.7	2
7	The Changes in 1H-MRS Metabolites in Cuprizone-Induced Model of Multiple Sclerosis: Effects of Prior Psychological Stress. Journal of Molecular Neuroscience, 2021, 71, 804-809.	2.3	5
8	Healthier Lifestyle by Considering Psychoemotional Dimension of Wellness. University of Tehran Science and Humanities Series, 2021, , 155-166.	0.1	2
9	The brain 3β-HSD up-regulation in response to deteriorating effects of background emotional stress: an animal model of multiple sclerosis. Metabolic Brain Disease, 2021, 36, 1253-1258.	2.9	2
10	Alteration of gene expression in reactive astrocytes induced by AÎ ² 1-42 using low dose of methamphetamine. Molecular Biology Reports, 2021, 48, 6103-6112.	2.3	0
11	Improvement of Solar Cell Efficacy by Pulsed External Electric Fields on PSI Protein Arrangement. ACS Applied Energy Materials, 2021, 4, 7642-7653.	5.1	2
12	Cannabidiol Inhibits Tau Aggregation In Vitro. Cells, 2021, 10, 3521.	4.1	12
13	Astaxanthin Decreases Spatial Memory and Glutamate Transport Impairment Induced by Fluoride Iranian Journal of Pharmaceutical Research, 2021, 20, 238-254.	0.5	0
14	Ac-SDKP ameliorates the progression of experimental autoimmune encephalomyelitis via inhibition of ER stress and oxidative stress in the hippocampus of C57BL/6 mice. Brain Research Bulletin, 2020, 154, 21-31.	3.0	13
15	Aggregate Forms of Recombinant Human Erythropoietin With Different Charge Profile Substantially Impact Biological Activities. Journal of Pharmaceutical Sciences, 2020, 109, 277-283.	3.3	4
16	Synthesis and HSA-interaction of a new mixed ligand Cu-isothiosemicarbazonato complex with adenine nucleobase. Polyhedron, 2020, 179, 114357.	2.2	8
17	Tryptophan Improves Memory Independent of Its Role as a Serotonin Precursor: Potential Involvement of Microtubule Proteins. Journal of Molecular Neuroscience, 2020, 70, 559-567.	2.3	5
18	Inhibition of Tau amyloid fibril formation by folic acid: In-vitro and theoretical studies. International Journal of Biological Macromolecules, 2020, 154, 1505-1516.	7.5	24

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19	Short chain fatty acids may improve hepatic mitochondrial energy efficiency in heat stressed-broilers. Journal of Thermal Biology, 2020, 89, 102520.	2.5	6
20	Peptide LIQ Promotes Cell Protection against Zinc-Induced Cytotoxicity through Microtubule Stabilization. ACS Chemical Neuroscience, 2020, 11, 515-534.	3.5	3
21	The long-term effects of Δ9-tetrahydrocannabinol on microtubule dynamicity in rats. Archives of Biochemistry and Biophysics, 2020, 693, 108574.	3.0	2
22	PEGylation of graphene/iron oxide nanocomposite: assessment of release of doxorubicin, magnetically targeted drug delivery and photothermal therapy. Applied Nanoscience (Switzerland), 2020, 10, 1205-1217.	3.1	22
23	Site Directed Disulfide PEGylation of Interferon-β-1b with Fork Peptide Linker. Bioconjugate Chemistry, 2020, 31, 708-720.	3.6	0
24	Anti-metastatic properties of a potent herbal combination in cell and mice models of triple negative breast cancer. Life Sciences, 2020, 243, 117245.	4.3	13
25	Electromagnetic field in human sperm cryopreservation improves fertilizing potential of thawed sperm through physicochemical modification of water molecules in freezing medium. PLoS ONE, 2019, 14, e0221976.	2.5	6
26	Comparison of polymerization and structural behavior of microtubules in rat brain and sperm affected by the extremely low-frequency electromagnetic field. BMC Molecular and Cell Biology, 2019, 20, 41.	2.0	8
27	Microtubule network as a potential candidate for targeting by gold nanoparticle-assisted photothermal therapy. Journal of Photochemistry and Photobiology B: Biology, 2019, 192, 131-140.	3.8	28
28	<p>Extending the application of a magnetic PEG three-part drug release device on a graphene substrate for the removal of Gram-positive and Gram-negative bacteria and cancerous and pathologic cells</p> . Drug Design, Development and Therapy, 2019, Volume 13, 1581-1591.	4.3	10
29	HSA-interaction studies of uranyl complexes of alkyl substituted isothiosemicarbazone. Journal of Molecular Structure, 2019, 1193, 53-61.	3.6	16
30	Moderately Halophilic Bacteria and Their Industrially Important Enzymes from the Ancient Ecosystem Badab-e Surt. Industrial Biotechnology, 2019, 15, 95-105.	0.8	1
31	Nanocomposite of montmorillonite/nettle extract: A potential ingredient for functional foods development. Journal of Functional Foods, 2019, 57, 166-172.	3.4	15
32	Influence of various intensities of 528ÂHz sound-wave in production of testosterone in rat's brain and analysis of behavioral changes. Genes and Genomics, 2019, 41, 201-211.	1.4	2
33	Comparative evaluation of adolescent repeated psychological or physical stress effects on adult cognitive performance, oxidative stress, and heart rate in female rats. Stress, 2019, 22, 123-132.	1.8	12
34	A theoretical and experimental study of six novel new complexes of alkyl substituted isothiosemicarbazone. Inorganica Chimica Acta, 2019, 484, 322-331.	2.4	6
35	Correlation between adolescent chronic emotional stress and incidence of adult cardiovascular disease in female rats. Iranian Journal of Basic Medical Sciences, 2019, 22, 1179-1185.	1.0	3
36	Effect of glycated insulin on the blood-brain barrier permeability: An inÂvitro study. Archives of Biochemistry and Biophysics, 2018, 647, 54-66.	3.0	12

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37	Introduction of Two Halo-Alkali-thermo-stable Biocatalysts: Purification and Characterization. Catalysis Letters, 2018, 148, 831-842.	2.6	2
38	DNA-binding mode transition of tau in the presence of Zinc ions. Journal of Biomolecular Structure and Dynamics, 2018, 36, 1925-1933.	3.5	2
39	TRPM2 dependence of ROS-induced NLRP3 activation in Alzheimer's disease. International Immunopharmacology, 2018, 54, 78-85.	3.8	62
40	Photosystem I application in biohybrid polymer solar cells. AIP Advances, 2018, 8, .	1.3	12
41	Psychological stress effects on myelin degradation in the cuprizoneâ€induced model of demyelination. Neuropathology, 2018, 39, 14-21.	1.2	9
42	Inhibitory Effect of Crocin on Metastasis of Triple-Negative Breast Cancer by Interfering with Wnt/β-Catenin Pathway in Murine Model. DNA and Cell Biology, 2018, 37, 1068-1075.	1.9	37
43	Saturated fatty acids may ameliorate environmental heat stress in broiler birds by affecting mitochondrial energetics and related genes. Journal of Thermal Biology, 2018, 78, 1-9.	2.5	13
44	A Comparative Study on Anti-Invasion, Antimigration, and Antiadhesion Effects of the Bioactive Carotenoids of Saffron on 4T1 Breast Cancer Cells Through Their Effects on Wnt/β-Catenin Pathway Genes. DNA and Cell Biology, 2018, 37, 697-707.	1.9	32
45	Detection of Proteins in Polyacrylamide Gels via Prelabeling by Isatoic Anhydride. Methods in Molecular Biology, 2018, 1853, 173-177.	0.9	Ο
46	Proteomic analysis and microtubule dynamicity of human sperm in electromagnetic cryopreservation. Journal of Cellular Biochemistry, 2018, 119, 9483-9497.	2.6	22
47	Structure, Function and Interactions of Tau: Particular Focus on Potential Drug Targets for the Treatment of Tauopathies. CNS and Neurological Disorders - Drug Targets, 2018, 17, 325-337.	1.4	3
48	The importance of α-CT and Salt bridges in the Formation of Insulin and its Receptor Complex by Computational Simulation. Iranian Journal of Pharmaceutical Research, 2018, 17, 63-74.	0.5	1
49	Aqueous extract of Launaea acanthodes induces glutamate uptake and GABA release in astrocyte cell culture via a ROS scavenging mediated process. Journal of Chemical Neuroanatomy, 2017, 82, 1-4.	2.1	2
50	Vitamin B12 Inhibits Tau Fibrillization via Binding to Cysteine Residues of Tau. ACS Chemical Neuroscience, 2017, 8, 2676-2682.	3.5	38
51	Organic solar cell based on photosystem I pigment-protein complex, fabrication and optimization. Organic Electronics, 2017, 51, 341-348.	2.6	18
52	New indole-based chalconoids as tubulin-targeting antiproliferative agents. Bioorganic Chemistry, 2017, 75, 86-98.	4.1	48
53	Novel Approach of Biophotovoltaic Solid State Solar Cells Based on a Multilayer of PS1 Complexes as an Active Layer. ACS Sustainable Chemistry and Engineering, 2017, 5, 9836-9840.	6.7	23
54	Effects of static magnetic fields on the structure, polymerization, and bioelectric of tubulin assemblies. Journal of Biomolecular Structure and Dynamics, 2017, 35, 3370-3383.	3.5	4

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55	An in vitro study of the role of docosahexaenoic acid in human tau protein aggregation. Journal of Biomolecular Structure and Dynamics, 2017, 35, 3176-3181.	3.5	1
56	The Effects of Alpha Boswellic Acid on Reelin Expression and Tau Phosphorylation in Human Astrocytes. NeuroMolecular Medicine, 2017, 19, 136-146.	3.4	17
57	Effects of Ectoine on Behavior and Candidate Genes Expression in ICV-STZ Rat Model of Sporadic Alzheimer's Disease. Advanced Pharmaceutical Bulletin, 2017, 7, 629-636.	1.4	5
58	Peptides NAP and SAL attenuate human tau granular-shaped oligomers in vitro and in SH-SY5Y cells. Neuropeptides, 2016, 59, 21-31.	2.2	4
59	Appraisal of role of the polyanionic inducer length on amyloid formation by 412-residue 1N4R Tau protein: A comparative study. Archives of Biochemistry and Biophysics, 2016, 609, 1-19.	3.0	24
60	Sensitive detection of proteins in polyacrylamide gel via isatoic anhydride derivatization: Introduction of a lowâ€cost fluorescent prelabeling procedure. Electrophoresis, 2016, 37, 2610-2614.	2.4	1
61	Bioinspired synthesis, characterization and antifungal activity of enzyme-mediated gold nanoparticles using a fungal oxidoreductase. Journal of the Iranian Chemical Society, 2016, 13, 2059-2068.	2.2	18
62	α-Cyperone of Cyperus rotundus is an effective candidate for reduction of inflammation by destabilization of microtubule fibers in brain. Journal of Ethnopharmacology, 2016, 194, 219-227.	4.1	30
63	Determination of the Best Concentration of Streptozotocin to Create a Diabetic Brain Using Histological Techniques. Journal of Molecular Neuroscience, 2016, 59, 24-35.	2.3	9
64	A bio-mimetic zinc/tau protein as an artificial catalase. International Journal of Biological Macromolecules, 2016, 92, 1307-1312.	7.5	1
65	Trichloroacetic acid treatment as a tricky way for rapid purification of 1N/4R tau protein. Protein Expression and Purification, 2016, 118, 98-104.	1.3	5
66	Neuroprotective Effects of Herbal Extract (Rosa canina, Tanacetum vulgare and Urtica dioica) on Rat Model of Sporadic Alzheimer's Disease. Avicenna Journal of Medical Biotechnology, 2016, 8, 120-5.	0.3	11
67	Static magnetic fields can diminish neuron spines through microtubule dynamicity disruption. , 2015, ,		0
68	Variations of Glutamate Concentration Within Synaptic Cleft in the Presence of Electromagnetic Fields: An Artificial Neural Networks Study. Neurochemical Research, 2015, 40, 629-642.	3.3	9
69	Safranal as a novel anti-tubulin binding agent with potential use in cancer therapy: An in vitro study. Chemico-Biological Interactions, 2015, 238, 151-160.	4.0	23
70	Enzymatic synthesis of gold nanoparticles using sulfite reductase purified from Escherichia coli: A green eco-friendly approach. Process Biochemistry, 2015, 50, 1076-1085.	3.7	102
71	Microtubule Dynamicity Is More Important than Stability in Memory Formation: an In Vivo Study. Journal of Molecular Neuroscience, 2015, 56, 313-319.	2.3	25
72	Chronic, Long-Term Social Stress Can Cause Decreased Microtubule Protein Network Activity and Dynamics in Cerebral Cortex of Male Wistar Rats. Journal of Molecular Neuroscience, 2015, 55, 579-586.	2.3	7

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73	Zinc and copper oxide nanoparticles decrease synaptosomal glutamate uptake: an in vitro study. Journal of the Iranian Chemical Society, 2015, 12, 87-94.	2.2	8
74	Inhibitory effect of corcin on aggregation of 1N/4R human tau protein in vitro. Iranian Journal of Basic Medical Sciences, 2015, 18, 485-92.	1.0	26
75	FGF10: Type III Epithelial Mesenchymal Transition and Invasion in Breast Cancer Cell Lines. Journal of Cancer, 2014, 5, 537-547.	2.5	35
76	Synaptosomal acetylcholinesterase activity variation pattern in the presence of electromagnetic fields. International Journal of Biological Macromolecules, 2014, 65, 8-15.	7.5	11
77	Synthesis, cytotoxic evaluation, and molecular docking study of 4,5-diaryl-thiazole-2-thione analogs of combretastatin A-4 as microtubule-binding agents. Medicinal Chemistry Research, 2014, 23, 1465-1473.	2.4	16
78	Antimicrobial Activity and Physical Characterization of Silver Nanoparticles Green Synthesized Using Nitrate Reductase from Fusarium oxysporum. Applied Biochemistry and Biotechnology, 2014, 172, 4084-4098.	2.9	89
79	Three-level response surface full-factorial design: advanced chemometric approach for optimizing diclofenac sodium-imprinted polymer. Polymer Bulletin, 2014, 71, 19-30.	3.3	7
80	Electromagnetic fields with 217ÂHz and 0.2 mT as hazardous factors for tubulin structure and assembly (in vitro study). Journal of the Iranian Chemical Society, 2014, 11, 1295-1304.	2.2	4
81	The Role of Anionic Peptide Fragments in 1N4R Human Tau Protein Aggregation. Protein and Peptide Letters, 2014, 21, 511-516.	0.9	7
82	In vitro study on the alterations of brain tubulin structure and assembly affected by magnetite nanoparticles. Journal of Biological Inorganic Chemistry, 2013, 18, 357-369.	2.6	37
83	Synthesis of new phosphate derivative of benzothiazole and its inhibiting effect on two series of human neuroblastoma cell growth. Korean Journal of Chemical Engineering, 2013, 30, 675-679.	2.7	Ο
84	Design, synthesis, cytotoxic evaluation and tubulin inhibitory activity of 4-aryl-5-(3,4,5-trimethoxyphenyl)-2-alkylthio-1H-imidazole derivatives. Bioorganic and Medicinal Chemistry, 2013, 21, 2703-2709.	3.0	33
85	Synthesis, cytotoxic evaluation and molecular docking study of 2-alkylthio-4-(2,3,4-trimethoxyphenyl)-5-aryl-thiazoles as tubulin polymerization inhibitors. Bioorganic and Medicinal Chemistry, 2013, 21, 7648-7654.	3.0	28
86	Imprinted microspheres and nanoparticles with diclofenac sodium: effect of solvent on the morphology and recognition properties. Polymer International, 2013, 62, 1711-1716.	3.1	13
87	The effect of the crocus sativus L. Carotenoid, crocin, on the polymerization of microtubules, in vitro. Iranian Journal of Basic Medical Sciences, 2013, 16, 101-7.	1.0	19
88	Induction of apoptosis through tubulin inhibition in human cancer cells by new chromene-based chalcones. Pharmaceutical Biology, 2012, 50, 1551-1560.	2.9	26
89	Altered tubulin assembly dynamics with <i>N</i> â€homocysteinylated human 4R/1N tau in vitro. FEBS Letters, 2012, 586, 3914-3919.	2.8	19
90	An in vitro study of the role of βâ€boswellic acid in the microtubule assembly dynamics. FEBS Letters, 2012, 586, 4132-4138.	2.8	15

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91	The synergistic effect of beta-boswellic acid and Nurr1 overexpression on dopaminergic programming of antioxidant glutathione peroxidase-1-expressing murine embryonic stem cells. Neuroscience, 2012, 222, 404-416.	2.3	18
92	Application of biomarkers in mudskipper (Boleophthalmus dussumieri) to assess polycyclic aromatic hydrocarbons (PAHs) pollution in coastal areas of the Persian Gulf. Ecotoxicology and Environmental Safety, 2012, 84, 311-318.	6.0	12
93	Disruption of tubulin polymerization and cell proliferation by 1-naphthylarsonic acid. Cell Biology International, 2012, 36, 403-408.	3.0	3
94	Effect of <i>N</i> â€homocysteinylation on physicochemical and cytotoxic properties of amyloid βâ€peptide. FEBS Letters, 2012, 586, 127-131.	2.8	29
95	Biological evaluation of synthetic analogues of curcumin: chloro-substituted-2′-hydroxychalcones as potential inhibitors of tubulin polymerization and cell proliferation. Medicinal Chemistry Research, 2011, 20, 503-510.	2.4	17
96	The enhancement effect of beta-boswellic acid on hippocampal neurites outgrowth and branching (an) Tj ETQqO	0 0 _{1.9} gBT /	Overlock 10 40
97	Effects of supplemental dietary l-carnitine and ractopamine on the performance of juvenile rainbow trout, Oncorhynchus mykiss. Aquaculture Research, 2010, 41, 1582-1591.	1.8	25
98	The Effects of Deferiprone and Deferasirox on the Structure and Function of β-Thalassemia Hemoglobin. Journal of Biomolecular Structure and Dynamics, 2009, 27, 319-329.	3.5	22
99	Interference of arsenic trioxide on magnesium dependent polymerization of microtubule proteins. Journal of the Iranian Chemical Society, 2009, 6, 715-721.	2.2	2
100	Effects of mobile phone radiofrequency on the structure and function of the normal human hemoglobin. International Journal of Biological Macromolecules, 2009, 44, 278-285.	7.5	45
101	Antiproliferative activity of chloroformic extract of Persian Shallot, Allium hirtifolium, on tumor cell lines. Cytotechnology, 2008, 56, 179-185.	1.6	49
102	A possible mechanism for controlling processive transport by microtubule-associated proteins. Neuroscience Research, 2008, 61, 347-350.	1.9	6
103	Toxicity and interaction of titanium dioxide nanoparticles with microtubule protein. Acta Biochimica Et Biophysica Sinica, 2008, 40, 777-782.	2.0	129
104	Toxicity and interaction of titanium dioxide nanoparticles with microtubule protein. Acta Biochimica Et Biophysica Sinica, 2008, 40, 777-782.	2.0	5
105	Complex I deficiency in Persian multiple sclerosis patients. Journal of the Neurological Sciences, 2006, 243, 65-69.	0.6	39
106	Mitochondrial D-Loop Variation in Persian Multiple Sclerosis Patients: K and A Haplogroups as a Risk Factor!!. Cellular and Molecular Neurobiology, 2006, 26, 119-125.	3.3	19
107	Influence of Morphine and Dopamine Receptor Sensitization on Locomotor Activity in Mice. Pharmacology, 2006, 78, 185-192.	2.2	17
108	Evidence against tubulin oligomer dissociation to tubulin dimer at assembly temperatures. BBA - Proteins and Proteomics, 1982, 705, 8-11.	2.1	5