

Gholamhossein Riazi

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

1,755
citations

279487

23
h-index

344852

36
g-index

110
all docs

110
docs citations

110
times ranked

2825
citing authors

#	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. <i>Planta Medica</i> , 2022, 88, 367-379.	0.7	8
2	Supplementation of freezing medium with encapsulated or free glutathione during cryopreservation of bull sperm. <i>Reproduction in Domestic Animals</i> , 2022, , .	0.6	2
3	Unravelling the Novel Effects of Three Volatile Compounds in Preventing Fibril Formation of Disease Related Tau and β -Synuclein Proteins- Towards Identifying Candidate Aromatic Substances for Treating Neurodegenerative Diseases. <i>Frontiers in Pharmacology</i> , 2022, 13, 793727.	1.6	2
4	Absorption Analysis of Photosystem I in Different Plants for Biohybrid Solar Cell Applications. <i>Energy Technology</i> , 2022, 10, .	1.8	2
5	Numerical Evaluation of Novel Bio-Photovoltaic Devices Inspired by Photosynthetic Process and High Poly (3,4-Ethylenedioxythiophene): Poly (styrenesulfonate) Efficacy as Hole Transport Layer. <i>Energy Technology</i> , 2022, 10, .	1.8	1
6	Interplay of isoform 1N4R tau protein and amyloid- β peptide fragment 25-35 in reducing and non-reducing conditions. <i>Journal of Biochemistry</i> , 2021, 169, 119-134.	0.9	2
7	The Changes in 1H-MRS Metabolites in Cuprizone-Induced Model of Multiple Sclerosis: Effects of Prior Psychological Stress. <i>Journal of Molecular Neuroscience</i> , 2021, 71, 804-809.	1.1	5
8	Healthier Lifestyle by Considering Psychoemotional Dimension of Wellness. <i>University of Tehran Science and Humanities Series</i> , 2021, , 155-166.	0.1	2
9	The brain 3 β -HSD up-regulation in response to deteriorating effects of background emotional stress: an animal model of multiple sclerosis. <i>Metabolic Brain Disease</i> , 2021, 36, 1253-1258.	1.4	2
10	Alteration of gene expression in reactive astrocytes induced by A β 1-42 using low dose of methamphetamine. <i>Molecular Biology Reports</i> , 2021, 48, 6103-6112.	1.0	0
11	Improvement of Solar Cell Efficacy by Pulsed External Electric Fields on PSI Protein Arrangement. <i>ACS Applied Energy Materials</i> , 2021, 4, 7642-7653.	2.5	2
12	Cannabidiol Inhibits Tau Aggregation In Vitro. <i>Cells</i> , 2021, 10, 3521.	1.8	12
13	Astaxanthin Decreases Spatial Memory and Glutamate Transport Impairment Induced by Fluoride.. <i>Iranian Journal of Pharmaceutical Research</i> , 2021, 20, 238-254.	0.3	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. <i>Brain Research Bulletin</i> , 2020, 154, 21-31.	1.4	13
15	Aggregate Forms of Recombinant Human Erythropoietin With Different Charge Profile Substantially Impact Biological Activities. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 277-283.	1.6	4
16	Synthesis and HSA-interaction of a new mixed ligand Cu-isothiosemicarbazonato complex with adenine nucleobase. <i>Polyhedron</i> , 2020, 179, 114357.	1.0	8
17	Tryptophan Improves Memory Independent of Its Role as a Serotonin Precursor: Potential Involvement of Microtubule Proteins. <i>Journal of Molecular Neuroscience</i> , 2020, 70, 559-567.	1.1	5
18	Inhibition of Tau amyloid fibril formation by folic acid: In-vitro and theoretical studies. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 1505-1516.	3.6	24

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19	Short chain fatty acids may improve hepatic mitochondrial energy efficiency in heat stressed-broilers. <i>Journal of Thermal Biology</i> , 2020, 89, 102520.	1.1	6
20	Peptide LIQ Promotes Cell Protection against Zinc-Induced Cytotoxicity through Microtubule Stabilization. <i>ACS Chemical Neuroscience</i> , 2020, 11, 515-534.	1.7	3
21	The long-term effects of δ^9 -tetrahydrocannabinol on microtubule dynamicity in rats. <i>Archives of Biochemistry and Biophysics</i> , 2020, 693, 108574.	1.4	2
22	PEGylation of graphene/iron oxide nanocomposite: assessment of release of doxorubicin, magnetically targeted drug delivery and photothermal therapy. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 1205-1217.	1.6	22
23	Site Directed Disulfide PEGylation of Interferon- β -1b with Fork Peptide Linker. <i>Bioconjugate Chemistry</i> , 2020, 31, 708-720.	1.8	0
24	Anti-metastatic properties of a potent herbal combination in cell and mice models of triple negative breast cancer. <i>Life Sciences</i> , 2020, 243, 117245.	2.0	13
25	Electromagnetic field in human sperm cryopreservation improves fertilizing potential of thawed sperm through physicochemical modification of water molecules in freezing medium. <i>PLoS ONE</i> , 2019, 14, e0221976.	1.1	6
26	Comparison of polymerization and structural behavior of microtubules in rat brain and sperm affected by the extremely low-frequency electromagnetic field. <i>BMC Molecular and Cell Biology</i> , 2019, 20, 41.	1.0	8
27	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
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>. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 1581-1591.	2.0	10
29	HSA-interaction studies of uranyl complexes of alkyl substituted isothiosemicarbazone. <i>Journal of Molecular Structure</i> , 2019, 1193, 53-61.	1.8	16
30	Moderately Halophilic Bacteria and Their Industrially Important Enzymes from the Ancient Ecosystem Badab-e Surt. <i>Industrial Biotechnology</i> , 2019, 15, 95-105.	0.5	1
31	Nanocomposite of montmorillonite/nettle extract: A potential ingredient for functional foods development. <i>Journal of Functional Foods</i> , 2019, 57, 166-172.	1.6	15
32	Influence of various intensities of 528ÅHz sound-wave in production of testosterone in ratâ€™s brain and analysis of behavioral changes. <i>Genes and Genomics</i> , 2019, 41, 201-211.	0.5	2
33	Comparative evaluation of adolescent repeated psychological or physical stress effects on adult cognitive performance, oxidative stress, and heart rate in female rats. <i>Stress</i> , 2019, 22, 123-132.	0.8	12
34	A theoretical and experimental study of six novel new complexes of alkyl substituted isothiosemicarbazone. <i>Inorganica Chimica Acta</i> , 2019, 484, 322-331.	1.2	6
35	Correlation between adolescent chronic emotional stress and incidence of adult cardiovascular disease in female rats. <i>Iranian Journal of Basic Medical Sciences</i> , 2019, 22, 1179-1185.	1.0	3
36	Effect of glycated insulin on the blood-brain barrier permeability: An inÂvitro study. <i>Archives of Biochemistry and Biophysics</i> , 2018, 647, 54-66.	1.4	12

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37	Introduction of Two Halo-Alkali-thermo-stable Biocatalysts: Purification and Characterization. <i>Catalysis Letters</i> , 2018, 148, 831-842.	1.4	2
38	DNA-binding mode transition of tau in the presence of Zinc ions. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 1925-1933.	2.0	2
39	TRPM2 dependence of ROS-induced NLRP3 activation in Alzheimer's disease. <i>International Immunopharmacology</i> , 2018, 54, 78-85.	1.7	62
40	Photosystem I application in biohybrid polymer solar cells. <i>AIP Advances</i> , 2018, 8, .	0.6	12
41	Psychological stress effects on myelin degradation in the cuprizone-induced model of demyelination. <i>Neuropathology</i> , 2018, 39, 14-21.	0.7	9
42	Inhibitory Effect of Crocin on Metastasis of Triple-Negative Breast Cancer by Interfering with Wnt/ β^2 -Catenin Pathway in Murine Model. <i>DNA and Cell Biology</i> , 2018, 37, 1068-1075.	0.9	37
43	Saturated fatty acids may ameliorate environmental heat stress in broiler birds by affecting mitochondrial energetics and related genes. <i>Journal of Thermal Biology</i> , 2018, 78, 1-9.	1.1	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^2 -Catenin Pathway Genes. <i>DNA and Cell Biology</i> , 2018, 37, 697-707.	0.9	32
45	Detection of Proteins in Polyacrylamide Gels via Prelabeling by Isatoic Anhydride. <i>Methods in Molecular Biology</i> , 2018, 1853, 173-177.	0.4	0
46	Proteomic analysis and microtubule dynamicity of human sperm in electromagnetic cryopreservation. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 9483-9497.	1.2	22
47	Structure, Function and Interactions of Tau: Particular Focus on Potential Drug Targets for the Treatment of Tauopathies. <i>CNS and Neurological Disorders - Drug Targets</i> , 2018, 17, 325-337.	0.8	3
48	The importance of β -CT and Salt bridges in the Formation of Insulin and its Receptor Complex by Computational Simulation. <i>Iranian Journal of Pharmaceutical Research</i> , 2018, 17, 63-74.	0.3	1
49	Aqueous extract of <i>Launaea acanthodes</i> induces glutamate uptake and GABA release in astrocyte cell culture via a ROS scavenging mediated process. <i>Journal of Chemical Neuroanatomy</i> , 2017, 82, 1-4.	1.0	2
50	Vitamin B12 Inhibits Tau Fibrillization via Binding to Cysteine Residues of Tau. <i>ACS Chemical Neuroscience</i> , 2017, 8, 2676-2682.	1.7	38
51	Organic solar cell based on photosystem I pigment-protein complex, fabrication and optimization. <i>Organic Electronics</i> , 2017, 51, 341-348.	1.4	18
52	New indole-based chalconoids as tubulin-targeting antiproliferative agents. <i>Bioorganic Chemistry</i> , 2017, 75, 86-98.	2.0	48
53	Novel Approach of Biophotovoltaic Solid State Solar Cells Based on a Multilayer of PS1 Complexes as an Active Layer. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9836-9840.	3.2	23
54	Effects of static magnetic fields on the structure, polymerization, and bioelectric of tubulin assemblies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 3370-3383.	2.0	4

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55	An in vitro study of the role of docosahexaenoic acid in human tau protein aggregation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 3176-3181.	2.0	1
56	The Effects of Alpha Boswellic Acid on Reelin Expression and Tau Phosphorylation in Human Astrocytes. <i>NeuroMolecular Medicine</i> , 2017, 19, 136-146.	1.8	17
57	Effects of Ectoïne on Behavior and Candidate Genes Expression in ICV-STZ Rat Model of Sporadic Alzheimer's Disease. <i>Advanced Pharmaceutical Bulletin</i> , 2017, 7, 629-636.	0.6	5
58	Peptides NAP and SAL attenuate human tau granular-shaped oligomers in vitro and in SH-SY5Y cells. <i>Neuropeptides</i> , 2016, 59, 21-31.	0.9	4
59	Appraisal of role of the polyanionic inducer length on amyloid formation by 412-residue 1N4R Tau protein: A comparative study. <i>Archives of Biochemistry and Biophysics</i> , 2016, 609, 1-19.	1.4	24
60	Sensitive detection of proteins in polyacrylamide gel via isatoic anhydride derivatization: Introduction of a low-cost fluorescent prelabeling procedure. <i>Electrophoresis</i> , 2016, 37, 2610-2614.	1.3	1
61	Bioinspired synthesis, characterization and antifungal activity of enzyme-mediated gold nanoparticles using a fungal oxidoreductase. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 2059-2068.	1.2	18
62	±-Cyperone of <i>Cyperus rotundus</i> is an effective candidate for reduction of inflammation by destabilization of microtubule fibers in brain. <i>Journal of Ethnopharmacology</i> , 2016, 194, 219-227.	2.0	30
63	Determination of the Best Concentration of Streptozotocin to Create a Diabetic Brain Using Histological Techniques. <i>Journal of Molecular Neuroscience</i> , 2016, 59, 24-35.	1.1	9
64	A bio-mimetic zinc/tau protein as an artificial catalase. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 1307-1312.	3.6	1
65	Trichloroacetic acid treatment as a tricky way for rapid purification of 1N/4R tau protein. <i>Protein Expression and Purification</i> , 2016, 118, 98-104.	0.6	5
66	Neuroprotective Effects of Herbal Extract (<i>Rosa canina</i> , <i>Tanacetum vulgare</i> and <i>Urtica dioica</i>) on Rat Model of Sporadic Alzheimer's Disease. <i>Avicenna Journal of Medical Biotechnology</i> , 2016, 8, 120-5.	0.2	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. <i>Neurochemical Research</i> , 2015, 40, 629-642.	1.6	9
69	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
70	Enzymatic synthesis of gold nanoparticles using sulfite reductase purified from <i>Escherichia coli</i> : A green eco-friendly approach. <i>Process Biochemistry</i> , 2015, 50, 1076-1085.	1.8	102
71	Microtubule Dynamicity Is More Important than Stability in Memory Formation: an In Vivo Study. <i>Journal of Molecular Neuroscience</i> , 2015, 56, 313-319.	1.1	25
72	Chronic, Long-Term Social Stress Can Cause Decreased Microtubule Protein Network Activity and Dynamics in Cerebral Cortex of Male Wistar Rats. <i>Journal of Molecular Neuroscience</i> , 2015, 55, 579-586.	1.1	7

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73	Zinc and copper oxide nanoparticles decrease synaptosomal glutamate uptake: an in vitro study. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 87-94.	1.2	8
74	Inhibitory effect of corcin on aggregation of 1N/4R human tau protein in vitro. <i>Iranian Journal of Basic Medical Sciences</i> , 2015, 18, 485-92.	1.0	26
75	FGF10: Type III Epithelial Mesenchymal Transition and Invasion in Breast Cancer Cell Lines. <i>Journal of Cancer</i> , 2014, 5, 537-547.	1.2	35
76	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
77	Synthesis, cytotoxic evaluation, and molecular docking study of 4,5-diaryl-thiazole-2-thione analogs of combretastatin A-4 as microtubule-binding agents. <i>Medicinal Chemistry Research</i> , 2014, 23, 1465-1473.	1.1	16
78	Antimicrobial Activity and Physical Characterization of Silver Nanoparticles Green Synthesized Using Nitrate Reductase from <i>Fusarium oxysporum</i> . <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 4084-4098.	1.4	89
79	Three-level response surface full-factorial design: advanced chemometric approach for optimizing diclofenac sodium-imprinted polymer. <i>Polymer Bulletin</i> , 2014, 71, 19-30.	1.7	7
80	Electromagnetic fields with 217ÅHz 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
81	The Role of Anionic Peptide Fragments in 1N4R Human Tau Protein Aggregation. <i>Protein and Peptide Letters</i> , 2014, 21, 511-516.	0.4	7
82	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
83	Synthesis of new phosphate derivative of benzothiazole and its inhibiting effect on two series of human neuroblastoma cell growth. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 675-679.	1.2	0
84	Design, synthesis, cytotoxic evaluation and tubulin inhibitory activity of 4-aryl-5-(3,4,5-trimethoxyphenyl)-2-alkylthio-1H-imidazole derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 2703-2709.	1.4	33
85	Synthesis, cytotoxic evaluation and molecular docking study of 2-alkylthio-4-(2,3,4-trimethoxyphenyl)-5-aryl-thiazoles as tubulin polymerization inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 7648-7654.	1.4	28
86	Imprinted microspheres and nanoparticles with diclofenac sodium: effect of solvent on the morphology and recognition properties. <i>Polymer International</i> , 2013, 62, 1711-1716.	1.6	13
87	The effect of the crocus sativus L. Carotenoid, crocin, on the polymerization of microtubules, in vitro. <i>Iranian Journal of Basic Medical Sciences</i> , 2013, 16, 101-7.	1.0	19
88	Induction of apoptosis through tubulin inhibition in human cancer cells by new chromene-based chalcones. <i>Pharmaceutical Biology</i> , 2012, 50, 1551-1560.	1.3	26
89	Altered tubulin assembly dynamics with ϵ -homocysteinylnated human 4R/1N tau in vitro. <i>FEBS Letters</i> , 2012, 586, 3914-3919.	1.3	19
90	An in vitro study of the role of β -boswellic acid in the microtubule assembly dynamics. <i>FEBS Letters</i> , 2012, 586, 4132-4138.	1.3	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. <i>Neuroscience</i> , 2012, 222, 404-416.	1.1	18
92	Application of biomarkers in mudskipper (<i>Boleophthalmus dussumieri</i>) to assess polycyclic aromatic hydrocarbons (PAHs) pollution in coastal areas of the Persian Gulf. <i>Ecotoxicology and Environmental Safety</i> , 2012, 84, 311-318.	2.9	12
93	Disruption of tubulin polymerization and cell proliferation by 1-naphthylarsonic acid. <i>Cell Biology International</i> , 2012, 36, 403-408.	1.4	3
94	Effect of N ⁶ -acetylmethionine on physicochemical and cytotoxic properties of amyloid β -peptide. <i>FEBS Letters</i> , 2012, 586, 127-131.	1.3	29
95	Biological evaluation of synthetic analogues of curcumin: chloro-substituted-2-hydroxychalcones as potential inhibitors of tubulin polymerization and cell proliferation. <i>Medicinal Chemistry Research</i> , 2011, 20, 503-510.	1.1	17
96	The enhancement effect of beta-boswellic acid on hippocampal neurites outgrowth and branching (an) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.9	40
97	Effects of supplemental dietary l-carnitine and ractopamine on the performance of juvenile rainbow trout, <i>Oncorhynchus mykiss</i> . <i>Aquaculture Research</i> , 2010, 41, 1582-1591.	0.9	25
98	The Effects of Deferiprone and Deferasirox on the Structure and Function of β^2 -Thalassemia Hemoglobin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2009, 27, 319-329.	2.0	22
99	Interference of arsenic trioxide on magnesium dependent polymerization of microtubule proteins. <i>Journal of the Iranian Chemical Society</i> , 2009, 6, 715-721.	1.2	2
100	Effects of mobile phone radiofrequency on the structure and function of the normal human hemoglobin. <i>International Journal of Biological Macromolecules</i> , 2009, 44, 278-285.	3.6	45
101	Antiproliferative activity of chloroformic extract of Persian Shallot, <i>Allium hirtifolium</i> , on tumor cell lines. <i>Cytotechnology</i> , 2008, 56, 179-185.	0.7	49
102	A possible mechanism for controlling processive transport by microtubule-associated proteins. <i>Neuroscience Research</i> , 2008, 61, 347-350.	1.0	6
103	Toxicity and interaction of titanium dioxide nanoparticles with microtubule protein. <i>Acta Biochimica Et Biophysica Sinica</i> , 2008, 40, 777-782.	0.9	129
104	Toxicity and interaction of titanium dioxide nanoparticles with microtubule protein. <i>Acta Biochimica Et Biophysica Sinica</i> , 2008, 40, 777-782.	0.9	5
105	Complex I deficiency in Persian multiple sclerosis patients. <i>Journal of the Neurological Sciences</i> , 2006, 243, 65-69.	0.3	39
106	Mitochondrial D-Loop Variation in Persian Multiple Sclerosis Patients: K and A Haplogroups as a Risk Factor!!.. <i>Cellular and Molecular Neurobiology</i> , 2006, 26, 119-125.	1.7	19
107	Influence of Morphine and Dopamine Receptor Sensitization on Locomotor Activity in Mice. <i>Pharmacology</i> , 2006, 78, 185-192.	0.9	17
108	Evidence against tubulin oligomer dissociation to tubulin dimer at assembly temperatures. <i>BBA - Proteins and Proteomics</i> , 1982, 705, 8-11.	2.1	5