

Mahban Rahimifard

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.

62

papers

1,110

citations

20

h-index

31

g-index

67

ext. papers

1,376

ext. citations

4.2

avg, IF

4.49

L-index

#	Paper	IF	Citations
62	Targeting the TLR4 signaling pathway by polyphenols: A novel therapeutic strategy for neuroinflammation. <i>Ageing Research Reviews</i> , 2017 , 36, 11-19	12	219
61	Improvement of isolated rat pancreatic islets function by combination of cerium oxide nanoparticles/sodium selenite through reduction of oxidative stress. <i>Toxicology Mechanisms and Methods</i> , 2012 , 22, 476-82	3.6	55
60	Protective effects of cerium oxide and yttrium oxide nanoparticles on reduction of oxidative stress induced by sub-acute exposure to diazinon in the rat pancreas. <i>Journal of Trace Elements in Medicine and Biology</i> , 2017 , 41, 79-90	4.1	46
59	Design, synthesis and evaluation of novel multi-target-directed ligands for treatment of Alzheimer's disease based on coumarin and lipoic acid scaffolds. <i>European Journal of Medicinal Chemistry</i> , 2018 , 152, 600-614	6.8	44
58	On the mechanisms of melatonin in protection of aluminum phosphide cardiotoxicity. <i>Archives of Toxicology</i> , 2017 , 91, 3109-3120	5.8	40
57	The protective role of melatonin in chemotherapy-induced nephrotoxicity: a systematic review of non-clinical studies. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2018 , 14, 937-950	5.5	39
56	The role of melatonin on chemotherapy-induced reproductive toxicity. <i>Journal of Pharmacy and Pharmacology</i> , 2018 , 70, 291-306	4.8	38
55	Functional Improvement in RatsTPancreatic Islets Using Magnesium Oxide Nanoparticles Through Antiapoptotic and Antioxidant Pathways. <i>Biological Trace Element Research</i> , 2017 , 175, 146-155	4.5	33
54	Molecular evidence on the protective effect of ellagic acid on phosalone-induced senescence in rat embryonic fibroblast cells. <i>Food and Chemical Toxicology</i> , 2017 , 100, 8-23	4.7	33
53	Multiple protective mechanisms of alpha-lipoic acid in oxidation, apoptosis and inflammation against hydrogen peroxide induced toxicity in human lymphocytes. <i>Molecular and Cellular Biochemistry</i> , 2015 , 403, 179-86	4.2	30
52	Zinc oxide nanoparticles reduce apoptosis and oxidative stress values in isolated rat pancreatic islets. <i>Biological Trace Element Research</i> , 2014 , 162, 262-9	4.5	29
51	Novel 3-phenylcoumarin-lipoic acid conjugates as multi-functional agents for potential treatment of Alzheimer's disease. <i>Bioorganic Chemistry</i> , 2018 , 79, 223-234	5.1	27
50	The role of curcumin/curcuminoids during gastric cancer chemotherapy: A systematic review of non-clinical study. <i>Life Sciences</i> , 2020 , 257, 118051	6.8	26
49	Effects of methyl mercury on the activity and gene expression of mouse Langerhans islets and glucose metabolism. <i>Food and Chemical Toxicology</i> , 2016 , 93, 119-28	4.7	26
48	Alpha-lipoic acid and coenzyme Q10 combination ameliorates experimental diabetic neuropathy by modulating oxidative stress and apoptosis. <i>Life Sciences</i> , 2019 , 216, 101-110	6.8	26
47	Lipoic acid prevents senescence, cell cycle arrest, and inflammatory cues in fibroblasts by inhibiting oxidative stress. <i>Pharmacological Research</i> , 2019 , 141, 214-223	10.2	24
46	Assessment of benzene induced oxidative impairment in rat isolated pancreatic islets and effect on insulin secretion. <i>Environmental Toxicology and Pharmacology</i> , 2015 , 39, 1161-9	5.8	23

45	Improvement in The Function of Isolated Rat Pancreatic Islets through Reduction of Oxidative Stress Using Traditional Iranian Medicine. <i>Cell Journal</i> , 2014 , 16, 147-163	2.4	23
44	Regulation of aging and oxidative stress pathways in aged pancreatic islets using alpha-lipoic acid. <i>Molecular and Cellular Biochemistry</i> , 2018 , 449, 267-276	4.2	22
43	Effect of styrene exposure on plasma parameters, molecular mechanisms and gene expression in rat model islet cells. <i>Environmental Toxicology and Pharmacology</i> , 2017 , 54, 62-73	5.8	22
42	The role of minocycline in alleviating aluminum phosphide-induced cardiac hemodynamic and renal toxicity. <i>Environmental Toxicology and Pharmacology</i> , 2018 , 64, 26-40	5.8	20
41	On the mechanism of genotoxicity of ethephon on embryonic fibroblast cells. <i>Toxicology Mechanisms and Methods</i> , 2017 , 27, 173-180	3.6	19
40	Blockage of both the extrinsic and intrinsic pathways of diazinon-induced apoptosis in PaTu cells by magnesium oxide and selenium nanoparticles. <i>International Journal of Nanomedicine</i> , 2016 , 11, 6239-6250 ³	7.3	19
39	On-chip analysis of carbon dots effect on yeast replicative lifespan. <i>Analytica Chimica Acta</i> , 2018 , 1033, 119-127	6.6	18
38	Multi-organ Protective Effects of Cerium Oxide Nanoparticle/Selenium in Diabetic Rats: Evidence for More Efficiency of Nanocerium in Comparison to Metal Form of Cerium. <i>Asian Journal of Animal and Veterinary Advances</i> , 2012 , 7, 605-612	0.1	16
37	Therapeutic Effects of Gallic Acid in Regulating Senescence and Diabetes; an In Vitro Study. <i>Molecules</i> , 2020 , 25,	4.8	16
36	Molecular and biochemical evidence on the protective role of ellagic acid and silybin against oxidative stress-induced cellular aging. <i>Molecular and Cellular Biochemistry</i> , 2018 , 441, 21-33	4.2	15
35	Manipulation of molecular pathways and senescence hallmarks by natural compounds in fibroblast cells. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 6209-6222	4.7	15
34	Biochemical and molecular evidences on the protection by magnesium oxide nanoparticles of chlorpyrifos-induced apoptosis in human lymphocytes. <i>Journal of Research in Medical Sciences</i> , 2015 , 20, 1021-31	1.6	14
33	Synthetic and biological identities of polymeric nanoparticles influencing the cellular delivery: An immunological link. <i>Journal of Colloid and Interface Science</i> , 2019 , 556, 476-491	9.3	11
32	Biochemical evidence on the potential role of methyl mercury in hepatic glucose metabolism through inflammatory signaling and free radical pathways. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 16195-16205	4.7	9
31	Cannabinoids as anti-ROS in aged pancreatic islet cells. <i>Life Sciences</i> , 2020 , 256, 117969	6.8	9
30	Assessment of arsenic-induced modifications in the DNA methylation of insulin-related genes in rat pancreatic islets. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 201, 110802	7	8
29	Bio-guided fractionation and isolation of active component from <i>Tragopogon graminifolius</i> based on its wound healing property. <i>Journal of Ethnopharmacology</i> , 2018 , 226, 48-55	5	8
28	Endo-cannabinoids system and the toxicity of cannabinoids with a biotechnological approach. <i>EXCLI Journal</i> , 2017 , 16, 688-711	2.4	8

27	Bioassay-guided fractionation and identification of wound healing active compound from Pistacia vera L. hull extract. <i>Journal of Ethnopharmacology</i> , 2020 , 248, 112335	5	8
26	Reduction of chlorpyrifos-induced toxicity in human lymphocytes by selected phosphodiesterase inhibitors. <i>Pesticide Biochemistry and Physiology</i> , 2016 , 128, 57-62	4.9	7
25	On the mechanisms of taurine in alleviating electrocardiographic, hemodynamic, and biochemical parameters following aluminum phosphide cardiotoxicity. <i>Food and Chemical Toxicology</i> , 2021 , 154, 112347	4.7	7
24	Development of a Novel Anti-Obesity Compound with Inhibiting Properties on the Lipid Accumulation in 3T3-L1 Adipocytes. <i>Iranian Biomedical Journal</i> , 2020 , 24, 155-63	2	6
23	Gene-Environmental Interplay in Bisphenol A Subchronic Animal Exposure: New Insights into the Epigenetic Regulation of Pancreatic Islets. <i>Chemical Research in Toxicology</i> , 2020 , 33, 2338-2350	4	6
22	Curcumin increases insulin sensitivity in C2C12 muscle cells via AKT and AMPK signaling pathways. <i>Cogent Food and Agriculture</i> , 2019 , 5, 1577532	1.8	5
21	Metformin Attenuates Brain Injury by Inhibiting Inflammation and Regulating Tight Junction Proteins in Septic Rats. <i>Cell Journal</i> , 2020 , 22, 29-37	2.4	5
20	Chromone-lipoic acid conjugate: Neuroprotective agent having acceptable butyrylcholinesterase inhibition, antioxidant and copper-chelation activities. <i>DARU, Journal of Pharmaceutical Sciences</i> , 2021 , 29, 23-38	3.9	5
19	Discovery Approaches for Novel Dyslipidemia Drugs. <i>Current Drug Discovery Technologies</i> , 2015 , 12, 90-116	1.6	4
18	Mechanistic assessment of cadmium toxicity in association with the functions of estrogen receptors in the Langerhans islets. <i>Iranian Journal of Basic Medical Sciences</i> , 2019 , 22, 445-451	1.8	4
17	Cinnamaldehyde targets TLR-4 and inflammatory mediators in acetic-acid induced ulcerative colitis model. <i>Biologia (Poland)</i> , 2021 , 76, 1817-1827	1.5	4
16	On the Benefit of Pure Glycyrrhizic Acid on the Function and Metabolic Activity of Isolated Pancreatic Langerhans Islets in vitro. <i>Asian Journal of Animal and Veterinary Advances</i> , 2012 , 7, 1212-1218	0.1	3
15	Assessment of cytotoxic effects of new derivatives of pyrazino[1,2-a] benzimidazole on isolated human glioblastoma cells and mitochondria. <i>Life Sciences</i> , 2021 , 286, 120022	6.8	3
14	Molecular Evidence of the Inhibitory Potential of Melatonin against NaAsO-Induced Aging in Male Rats. <i>Molecules</i> , 2021 , 26,	4.8	3
13	The role of levosimendan in phosphine-induced cardiotoxicity: evaluation of electrocardiographic, echocardiographic, and biochemical parameters. <i>Toxicology Mechanisms and Methods</i> , 2021 , 31, 631-643	3.6	3
12	Modification of the hemodynamic and molecular features of phosphine, a potent mitochondrial toxicant in the heart, by cannabidiol. <i>Toxicology Mechanisms and Methods</i> , 2021 , 1-14	3.6	2
11	Investigation of Bitosterol and Prangol Extracted from Along with Whole Root Extract on Isolated Rat Pancreatic Islets. <i>Iranian Journal of Pharmaceutical Research</i> , 2018 , 17, 317-325	1.1	1
10	Red emissive N-S co-doped carbon dots for live imaging of tumor spheroid in the microfluidic device. <i>Journal of Science: Advanced Materials and Devices</i> , 2021 , 7, 100404-100404	4.2	1

9	Improvement of the functionality of pancreatic Langerhans islets via reduction of bacterial contamination and apoptosis using phenolic compounds. <i>Iranian Journal of Basic Medical Sciences</i> , 2018 , 21, 920-927	1.8	1
8	Electrocardiographic, hemodynamic, and biochemical evidence on the protective effects of exenatide against phosphine-induced cardiotoxicity in rat model. <i>Human and Experimental Toxicology</i> , 2021 , 40, S381-S396	3.4	1
7	Impact of Acrylamide on Cellular Senescence Response and Cell Cycle Distribution via an In-vitro Study.. <i>Iranian Journal of Pharmaceutical Research</i> , 2021 , 20, 165-177	1.1	1
6	Multi-organ Toxicity Attenuation by Cerium Oxide and Yttrium Oxide Nanoparticles: Comparing the Beneficial Effects on Tissues Oxidative Damage Induced by Sub-acute Exposure to Diazinon. <i>Pharmaceutical Nanotechnology</i> , 2020 , 8, 225-238	4	0
5	Short-term Effects of Metformin on Cardiac and Peripheral Blood Cells Following Cecal Ligation and Puncture-induced Sepsis. <i>Drug Research</i> , 2021 , 71, 257-264	1.8	0
4	Senolytic Effect of Cerium Oxide Nanoparticles (CeO ₂ NPs) by Attenuating p38/NF- κ B, and p53/p21 Signaling Pathways. <i>Journal of Cluster Science</i> , 1	3	0
3	Investigation of anti-cancer effects of new pyrazino[1,2-a]benzimidazole derivatives on human glioblastoma cells through 2D in vitro model and 3D-printed microfluidic device.. <i>Life Sciences</i> , 2022 , 120505	6.8	0
2	Vinpocetine Effect on the Juncture of Diabetes and Aging: An in-vitro study. <i>Drug Research</i> , 2021 , 71, 438-447	1.8	
1	Toxic potential of botulinum toxin type A on senescence in a model. <i>Toxicology Reports</i> , 2021 , 8, 1576-1588		