

Alireza Shirazi

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,048
citations

430874

18
h-index

434195

31
g-index

52
all docs

52
docs citations

52
times ranked

1451
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of Radiation-Induced NADPH Oxidases in Rat's Heart Tissues by Melatonin. <i>Journal of Biomedical Physics and Engineering</i> , 2021, 11, 465-472.	0.9	3
2	Apigenin Enhanced Radiation-Induced Apoptosis/Necrosis by Sensitization of LNCaP Prostate Cancer Cells to 6 MV Photon Beams. <i>Cell Journal</i> , 2021, 23, 730-735.	0.2	2
3	Beam penumbra reduction of Gamma Knife machine model 4C using Monte Carlo simulation. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 188, 105261.	4.7	2
4	Evaluation of lung heterogeneity effects on dosimetric parameters in small photon fields using MAGIC polymer gel, Gafchromic film, and Monte Carlo simulation. <i>Applied Radiation and Isotopes</i> , 2020, 166, 109233.	1.5	3
5	Evaluation of ferrous benzoic methylthymol-blue gel as a dosimeter via magnetic resonance imaging. <i>Physica Medica</i> , 2020, 80, 47-56.	0.7	12
6	Mitigation of radiation-induced hematopoietic system injury by melatonin. <i>Environmental Toxicology</i> , 2020, 35, 815-821.	4.0	17
7	The radioprotective effect of melatonin against radiation-induced DNA double-strand breaks in radiology. <i>Journal of Cancer Research and Therapeutics</i> , 2020, 16, 59.	0.9	8
8	The inhibitory effect of melatonin on the proliferation of irradiated A549 cell line. <i>Journal of Cancer Research and Therapeutics</i> , 2020, 16, 1500.	0.9	2
9	Development of a novel and low-cost anthropomorphic pelvis phantom for 3D dosimetry in radiotherapy. <i>Journal of Contemporary Brachytherapy</i> , 2020, 12, 470-479.	0.9	8
10	Radioprotective effect of a combination of melatonin and metformin on mice spermatogenesis: A histological study. <i>International Journal of Reproductive BioMedicine</i> , 2020, 18, 1073-1080.	0.9	7
11	Melatonin a Promising Candidate for DNA Double-Stranded Breaks Reduction in Patients Undergoing Abdomen-Pelvis Computed Tomography Examinations. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2020, 20, 859-864.	1.7	2
12	Histopathological and Functional Evaluation of Radiation-Induced Sciatic Nerve Damage: Melatonin as Radioprotector. <i>Medicina (Lithuania)</i> , 2019, 55, 502.	2.0	8
13	Melatonin Modulates Regulation of NOX2 and NOX4 Following Irradiation in the Lung. <i>Current Clinical Pharmacology</i> , 2019, 14, 224-231.	0.6	21
14	Evaluating the effectiveness of combined radiotherapy and hyperthermia for the treatment response of patients with painful bony metastases: A phase 2 clinical trial. <i>Journal of Thermal Biology</i> , 2019, 84, 129-135.	2.5	9
15	Penumbra width determination of single beam and 201 beams of Gamma Knife machine model 4C using Monte Carlo simulation. <i>Journal of Radiotherapy in Practice</i> , 2019, 18, 82-87.	0.5	4
16	Mechanisms for Radioprotection by Melatonin; Can it be Used as a Radiation Countermeasure?. <i>Current Molecular Pharmacology</i> , 2019, 12, 2-11.	1.5	22
17	Biochemical and Histopathological Evaluation of the Radioprotective Effects of Melatonin Against Gamma Ray-Induced Skin Damage. <i>Current Radiopharmaceuticals</i> , 2019, 12, 72-81.	0.8	15
18	Evaluation of the Radioprotective Effects of Melatonin Against Ionizing Radiation-Induced Muscle Tissue Injury. <i>Current Radiopharmaceuticals</i> , 2019, 12, 247-255.	0.8	8

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19	Mechanisms of inflammatory responses to radiation and normal tissues toxicity: clinical implications. <i>International Journal of Radiation Biology</i> , 2018, 94, 335-356.	1.8	110
20	Metformin: Prevention of genomic instability and cancer: A review. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2018, 827, 1-8.	1.7	57
21	Electrophysiological measurements of diabetic peripheral neuropathy: A systematic review. <i>Diabetes and Metabolic Syndrome: Clinical Research and Reviews</i> , 2018, 12, 591-600.	3.6	25
22	Recent Finding in Repair of the Peripheral Nerve Lesions Using Pharmacological Agents: Common Methods for Evaluating the Repair Process. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2018, 18, 161-172.	1.1	6
23	The Effect of Melatonin on Superoxide Dismutase and Glutathione Peroxidase Activity, and Malondialdehyde Levels in the Targeted and the Non-targeted Lung and Heart Tissues after Irradiation in Xenograft Mice Colon Cancer. <i>Current Molecular Pharmacology</i> , 2018, 11, 326-335.	1.5	29
24	Evaluating the Expression of NOX2 and NOX4 Signaling Pathways in Rats' Lung Tissues Following Local Chest Irradiation; Modulatory Effect of Melatonin. <i>International Journal of Molecular and Cellular Medicine</i> , 2018, 7, 220-225.	1.1	6
25	Radioprotective effect of melatonin on expression of Cdkn1a and Rad50 genes in rat peripheral blood. <i>Journal of Cancer Research and Therapeutics</i> , 2018, 14, 1070.	0.9	11
26	Evaluating the expression of cyclooxygenase-2 enzyme by immunohistochemistry in normal and tumoral tissue before and after neoadjuvant chemoradiotherapy in patients with esophageal cancer in Khorasan Province. <i>Journal of Cancer Research and Therapeutics</i> , 2018, 14, 509-515.	0.9	2
27	Dosimetric characteristics of LinaTech DMLC H multi leaf collimator: Monte Carlo simulation and experimental study. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 113-124.	1.9	4
28	Analysis of Gafchromic EBT3 film calibration irradiated with gamma rays from different systems: Gamma Knife and Cobalt-60 unit. <i>Medical Dosimetry</i> , 2017, 42, 159-168.	0.9	18
29	Technical Note: Construction of heterogeneous head phantom for quality control in stereotactic radiosurgery. <i>Medical Physics</i> , 2017, 44, 5070-5074.	3.0	5
30	Melatonin ameliorates radiation-induced oxidative stress at targeted and nontargeted lung tissue. <i>Journal of Medical Physics</i> , 2017, 42, 241.	0.3	36
31	Modulation of radiation-induced base excision repair pathway gene expression by melatonin. <i>Journal of Medical Physics</i> , 2017, 42, 245.	0.3	31
32	Comparison of beam hardening effect of physical and enhanced dynamic wedges at bladder inhomogeneity using EBT3 film dosimeter. <i>Journal of Cancer Research and Therapeutics</i> , 2017, 13, 97.	0.9	1
33	The radioprotective effect of metformin against cytotoxicity and genotoxicity induced by ionizing radiation in cultured human blood lymphocytes. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2016, 809, 24-32.	1.7	59
34	Prophylactic role of some plants and phytochemicals against radio-genotoxicity in human lymphocytes. <i>Journal of Cancer Research and Therapeutics</i> , 2016, 12, 1234.	0.9	22
35	Candidate gene biodosimeters of mice and human exposure to ionizing radiation by quantitative reverse transcription polymerase chain reaction. <i>Journal of Cancer Research and Therapeutics</i> , 2015, 11, 549.	0.9	13
36	Validation of a Prototype Optical Computed Tomography System. <i>Journal of Medical Signals and Sensors</i> , 2015, 5, 123-30.	1.0	0

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37	Can Melatonin Help Us in Radiation Oncology Treatments?. BioMed Research International, 2014, 2014, 1-12.	1.9	24
38	Consequences of Lethal-Whole-Body Gamma Radiation and Possible Ameliorative Role of Melatonin. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	29
39	Radio-protective effects of melatonin against irradiation-induced oxidative damage in rat peripheral blood. Physica Medica, 2013, 29, 65-74.	0.7	37
40	Radioprotective effect of melatonin on the cervical spinal cord in irradiated rats. Cell Journal, 2013, 14, 246-53.	0.2	21
41	Evaluation of radio-protective effect of melatonin on whole body irradiation induced liver tissue damage. Cell Journal, 2013, 14, 292-7.	0.2	32
42	Megavoltage X-ray Dose Enhancement with Gold Nanoparticles in Tumor Bearing Mice. International Journal of Molecular and Cellular Medicine, 2013, 2, 118-23.	1.1	12
43	Melatonin may play a role in modulation of bax and bcl-2 expression levels to protect rat peripheral blood lymphocytes from gamma irradiation-induced apoptosis. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2012, 738-739, 19-27.	1.0	65
44	Radio-protective role of antioxidant agents. Oncology Reviews, 2012, 6, 16.	1.8	16
45	Radioprotective effect of melatonin in reducing oxidative stress in rat lenses. Cell Journal, 2011, 13, 79-82.	0.2	28
46	Evaluation of melatonin for modulation of apoptosis-related genes in irradiated cervical spinal cord. International Journal of Low Radiation, 2010, 7, 436.	0.1	12
47	A Radiobiological Review on Melatonin: A Novel Radioprotector. Journal of Radiation Research, 2007, 48, 263-272.	1.6	156
48	Melatonin as a protective agent in spinal cord damage after gamma irradiation. Reports of Practical Oncology and Radiotherapy, 2007, 12, 95-99.	0.6	11
49	Long-term changes of prostacyclin secretion in radiation-induced myelopathy. Reports of Practical Oncology and Radiotherapy, 2006, 11, 273-279.	0.6	3
50	Short-term changes in prostacyclin secretory profile of irradiated rat cervical spinal cord. Prostaglandins Leukotrienes and Essential Fatty Acids, 2005, 72, 373-378.	2.2	6
51	Radiation myelopathy: a radiobiological review. Reports of Practical Oncology and Radiotherapy, 2004, 9, 119-127.	0.6	8