Alireza Shirazi

List of Publications by Year
in descending order

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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	A Radiobiological Review on Melatonin: A Novel Radioprotector. Journal of Radiation Research, 2007, 48, 263-272.	1.6	156
2	Mechanisms of inflammatory responses to radiation and normal tissues toxicity: clinical implications. International Journal of Radiation Biology, 2018, 94, 335-356.	1.8	110
3	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
4	The radioprotective effect of metformin against cytotoxicity and genotoxicity induced by ionizing radiation in cultured human blood lymphocytes. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2016, 809, 24-32.	1.7	59
5	Metformin: Prevention of genomic instability and cancer: A review. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2018, 827, 1-8.	1.7	57
6	Radio-protective effects of melatonin against irradiation-induced oxidative damage in rat peripheral blood. Physica Medica, 2013, 29, 65-74.	0.7	37
7	Melatonin ameliorates radiation-induced oxidative stress at targeted and nontargeted lung tissue. Journal of Medical Physics, 2017, 42, 241.	0.3	36
8	Evaluation of radio-protective effect of melatonin on whole body irradiation induced liver tissue damage. Cell Journal, 2013, 14, 292-7.	0.2	32
9	Modulation of radiation-induced base excision repair pathway gene expression by melatonin. Journal of Medical Physics, 2017, 42, 245.	0.3	31
10	Consequences of Lethal-Whole-Body Gamma Radiation and Possible Ameliorative Role of Melatonin. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	29
11	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. Current Molecular Pharmacology, 2018, 11, 326-335.	1.5	29
12	Radioprotective effect of melatonin in reducing oxidative stress in rat lenses. Cell Journal, 2011, 13, 79-82.	0.2	28
13	Electrophysiological measurements of diabetic peripheral neuropathy: A systematic review. Diabetes and Metabolic Syndrome: Clinical Research and Reviews, 2018, 12, 591-600.	3.6	25
14	Can Melatonin Help Us in Radiation Oncology Treatments?. BioMed Research International, 2014, 2014, 1-12.	1.9	24
15	Mechanisms for Radioprotection by Melatonin; Can it be Used as a Radiation Countermeasure?. Current Molecular Pharmacology, 2019, 12, 2-11.	1.5	22
16	Prophylactic role of some plants and phytochemicals against radio-genotoxicity in human lymphocytes. Journal of Cancer Research and Therapeutics, 2016, 12, 1234.	0.9	22
17	Melatonin Modulates Regulation of NOX2 and NOX4 Following Irradiation in the Lung. Current Clinical Pharmacology, 2019, 14, 224-231.	0.6	21
18	Radioprotective effect of melatonin on the cervical spinal cord in irradiated rats. Cell Journal, 2013, 14, 246-53.	0.2	21

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19	Analysis of Gafchromic EBT3 film calibration irradiated with gamma rays from different systems: Gamma Knife and Cobalt-60 unit. Medical Dosimetry, 2017, 42, 159-168.	0.9	18
20	Mitigation of radiationâ€induced hematopoietic system injury by melatonin. Environmental Toxicology, 2020, 35, 815-821.	4.0	17
21	Radio-protective role of antioxidant agents. Oncology Reviews, 2012, 6, 16.	1.8	16
22	Biochemical and Histopathological Evaluation of the Radioprotective Effects of Melatonin Against Gamma Ray-Induced Skin Damage. Current Radiopharmaceuticals, 2019, 12, 72-81.	0.8	15
23	Candidate gene biodosimeters of mice and human exposure to ionizing radiation by quantitative reverse transcription polymerase chain reaction. Journal of Cancer Research and Therapeutics, 2015, 11, 549.	0.9	13
24	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
25	Evaluation of ferrous benzoic methylthymol-blue gel as a dosimeter via magnetic resonance imaging. Physica Medica, 2020, 80, 47-56.	0.7	12
26	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
27	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
28	Radioprotective effect of melatonin on expression of Cdkn1a and Rad50 genes in rat peripheral blood. Journal of Cancer Research and Therapeutics, 2018, 14, 1070.	0.9	11
29	Evaluating the effectiveness of combined radiotherapy and hyperthermia for the treatment response of patients with painful bony metastases: A phase 2 clinical trial. Journal of Thermal Biology, 2019, 84, 129-135.	2.5	9
30	Radiation myelopathy: a radiobiological review. Reports of Practical Oncology and Radiotherapy, 2004, 9, 119-127.	0.6	8
31	Histopathological and Functional Evaluation of Radiation-Induced Sciatic Nerve Damage: Melatonin as Radioprotector. Medicina (Lithuania), 2019, 55, 502.	2.0	8
32	Evaluation of the Radioprotective Effects of Melatonin Against Ionizing Radiation-Induced Muscle Tissue Injury. Current Radiopharmaceuticals, 2019, 12, 247-255.	0.8	8
33	The radioprotective effect of melatonin against radiation-induced DNA double-strand breaks in radiology. Journal of Cancer Research and Therapeutics, 2020, 16, 59.	0.9	8
34	Development of a novel and low-cost anthropomorphic pelvis phantom for 3D dosimetry in radiotherapy. Journal of Contemporary Brachytherapy, 2020, 12, 470-479.	0.9	8
35	Radioprotective effect of a combination of melatonin and metformin on mice spermatogenesis: A histological study. International Journal of Reproductive BioMedicine, 2020, 18, 1073-1080.	0.9	7
36	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

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37	Recent Finding in Repair of the Peripheral Nerve Lesions Using Pharmacological Agents: Common Methods for Evaluating the Repair Process. Central Nervous System Agents in Medicinal Chemistry, 2018, 18, 161-172.	1.1	6
38	Evaluating the Expression of NOX2 and NOX4 Signaling Pathways in Rats' Lung Tissues Following Local Chest Irradiation; Modulatory Effect of Melatonin. International Journal of Molecular and Cellular Medicine, 2018, 7, 220-225.	1.1	6
39	Technical Note: Construction of heterogeneous head phantom for quality control in stereotactic radiosurgery. Medical Physics, 2017, 44, 5070-5074.	3.0	5
40	Dosimetric characteristics of LinaTech DMLC H multi leaf collimator: Monte Carlo simulation and experimental study. Journal of Applied Clinical Medical Physics, 2017, 18, 113-124.	1.9	4
41	Penumbra width determination of single beam and 201 beams of Gamma Knife machine model 4C using Monte Carlo simulation. Journal of Radiotherapy in Practice, 2019, 18, 82-87.	0.5	4
42	Long-term changes of prostacyclin secretion in radiation-induced myelopathy. Reports of Practical Oncology and Radiotherapy, 2006, 11, 273-279.	0.6	3
43	Evaluation of lung heterogeneity effects on dosimetric parameters in small photon fields using MAGIC polymer gel, Gafchromic film, and Monte Carlo simulation. Applied Radiation and Isotopes, 2020, 166, 109233.	1.5	3
44	Modulation of Radiation-Induced NADPH Oxidases in Ratâ€™s Heart Tissues by Melatonin. Journal of Biomedical Physics and Engineering, 2021, 11, 465-472.	0.9	3
45	Beam penumbra reduction of Gamma Knife machine model 4C using Monte Carlo simulation. Computer Methods and Programs in Biomedicine, 2020, 188, 105261.	4.7	2
46	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. Journal of Cancer Research and Therapeutics, 2018, 14, 509-515.	0.9	2
47	The inhibitory effect of melatonin on the proliferation of irradiated A549 cell line. Journal of Cancer Research and Therapeutics, 2020, 16, 1500.	0.9	2
48	Melatonin a Promising Candidate for DNA Double-Stranded Breaks Reduction in Patients Undergoing Abdomen-Pelvis Computed Tomography Examinations. Anti-Cancer Agents in Medicinal Chemistry, 2020, 20, 859-864.	1.7	2
49	Apigenin Enhanced Radiation-Induced Apoptosis/Necrosis by Sensitization of LNCaP Prostate Cancer Cells to 6 MV Photon Beams.. Cell Journal, 2021, 23, 730-735.	0.2	2
50	Comparison of beam hardening effect of physical and enhanced dynamic wedges at bladder inhomogeneity using EBT3 film dosimeter. Journal of Cancer Research and Therapeutics, 2017, 13, 97.	0.9	1
51	Validation of a Prototype Optical Computed Tomography System. Journal of Medical Signals and Sensors, 2015, 5, 123-30.	1.0	0