John E Moulder

List of Publications by Year
in descending order

97	5,269	70961 41	88477 70
papers	citations	h-index	g-index

98	98	98	3375
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hypoxic fractions of solid tumors: Experimental techniques, methods of analysis, and a survey of existing data. International Journal of Radiation Oncology Biology Physics, 1984, 10, 695-712.	0.4	587
2	Tumor hypoxia: its impact on cancer therapy. Cancer and Metastasis Reviews, 1987, 5, 313-341.	2.7	367
3	Animal Models for Medical Countermeasures to Radiation Exposure. Radiation Research, 2010, 173, 557-578.	0.7	364
4	Models for Evaluating Agents Intended for the Prophylaxis, Mitigation and Treatment of Radiation Injuries Report of an NCI Workshop, December 3â€“4, 2003. Radiation Research, 2004, 162, 711-728.	0.7	230
5	Molecular and Cellular Biology of Moderate-Dose (1â€“10 Gy) Radiation and Potential Mechanisms of Radiation Protection: Report of a Workshop at Bethesda, Maryland, December 17â€“18, 20011. Radiation Research, 2003, 159, 812-834.	0.7	144
6	MEDICINE: Modulation of Radiation Injury. Science, 2004, 304, 693-694.	6.0	127
7	Renin-Angiotensin System Suppression Mitigates Experimental Radiation Pneumonitis. International Journal of Radiation Oncology Biology Physics, 2009, 75, 1528-1536.	0.4	107
8	Future Strategies for Mitigation and Treatment of Chronic Radiation-Induced Normal Tissue Injury. Seminars in Radiation Oncology, 2007, 17, 141-148.	1.0	104
9	Effect of an Angiotensin II Receptor Blocker and Two Angiotensin Converting Enzyme Inhibitors on Transforming Growth Factor-β (TGF-β) and α-Actomyosin (α SMA), Important Mediators of Radiation-Induced Pneumopathy and Lung Fibrosis. Current Pharmaceutical Design, 2007, 13, 1307-1316.	0.9	103
10	10 Gy total body irradiation increases risk of coronary sclerosis, degeneration of heart structure and function in a rat model. International Journal of Radiation Biology, 2009, 85, 1089-1100.	1.0	101
11	Late renal dysfunction in adult survivors of bone marrow transplantation. Cancer, 1991, 67, 2795-2800.	2.0	98
12	Late toxicity of total body irradiation with bone marrow transplantation in a rat model. International Journal of Radiation Oncology Biology Physics, 1989, 16, 1501-1509.	0.4	94
13	Bone Marrow Transplant Nephropathy: Radiation Nephritis Revisited. Nephron, 1995, 70, 217-222.	0.9	91
14	Radiation damage to the lung: Mitigation by angiotensinâ€converting enzyme (ACE) inhibitors. Respirology, 2012, 17, 66-71.	1.3	88
15	Captopril to Mitigate Chronic Renal Failure After Hematopoietic Stem Cell Transplantation: A Randomized Controlled Trial. International Journal of Radiation Oncology Biology Physics, 2008, 70, 1546-1551.	0.4	83
16	Treatment of radiation nephropathy with ace inhibitors. International Journal of Radiation Oncology Biology Physics, 1993, 27, 93-99.	0.4	79
17	Captopril and Losartan for Mitigation of Renal Injury Caused by Single-Dose Total-Body Irradiation. Radiation Research, 2011, 175, 29-36.	0.7	78
18	Vitamin A Deficiency Alters Rat Neutrophil Function ,. Journal of Nutrition, 1997, 127, 558-565.	1.3	66

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19	Angiotensin Converting Enzyme Inhibitors Mitigate Collagen Synthesis Induced by a Single Dose of Radiation to the Whole Thorax. Journal of Radiation Research, 2012, 53, 10-17.	0.8	66
20	Wi-Fi and Health. Health Physics, 2013, 105, 561-575.	0.3	66
21	Salen Mn Complexes Mitigate Radiation Injury in Normal Tissues. Anti-Cancer Agents in Medicinal Chemistry, 2011, 11, 359-372.	0.9	64
22	Intestinal Microbiota as Novel Biomarkers of Prior Radiation Exposure. Radiation Research, 2012, 177, 573.	0.7	61
23	Radiation reaction of rat skin.The role of the number of fractions and the overall treatment time. Cancer, 1976, 37, 2762-2767.	2.0	60
24	Treatment of Radiation Nephropathy with Captopril. Radiation Research, 1992, 132, 346.	0.7	60
25	Mitigation of Late Renal and Pulmonary Injury After Hematopoietic Stem Cell Transplantation. International Journal of Radiation Oncology Biology Physics, 2012, 83, 292-296.	0.4	60
26	Combined Hydration and Antibiotics with Lisinopril to Mitigate Acute and Delayed High-dose Radiation Injuries to Multiple Organs. Health Physics, 2016, 111, 410-419.	0.3	58
27	Biological Effects of Power-Frequency Fields As They Relate to Carcinogenesis. Experimental Biology and Medicine, 1995, 209, 309-324.	1.1	55
28	The renin-angiotensin system in experimental radiation nephropathy. Translational Research, 2002, 139, 251-257.	2.4	55
29	Model Development and Use of ACE Inhibitors for Preclinical Mitigation of Radiation-Induced Injury to Multiple Organs. Radiation Research, 2014, 182, 545-555.	0.7	54
30	Safety and blood sample volume and quality of a refined retro-orbital bleeding technique in rats using a lateral approach. Lab Animal, 2014, 43, 63-66.	0.2	54
31	Radiation nephropathy is treatable with an angiotensin converting enzyme inhibitor or an angiotensin II type-1 (AT1) receptor antagonist. Radiotherapy and Oncology, 1998, 46, 307-315.	0.3	51
32	Prevention of Radiation-Induced Nephropathy and Fibrosis in a Model of Bone Marrow Transplant by an Angiotensin II Receptor Blocker. Experimental Biology and Medicine, 2001, 226, 1016-1023.	1.1	50
33	Successful treatment of radiation nephropathy with angiotensin II blockade. International Journal of Radiation Oncology Biology Physics, 2003, 55, 190-193.	0.4	50
34	Enalapril Mitigates Radiation-Induced Pneumonitis and Pulmonary Fibrosis if Started 35 Days after Whole-Thorax Irradiation. Radiation Research, 2013, 180, 546-552.	0.7	48
35	Structural and functional alterations in the rat lung following whole thoracic irradiation with moderate doses: Injury and recovery. International Journal of Radiation Biology, 2008, 84, 487-497.	1.0	47
36	Successful brief captopril treatment in experimental radiation nephropathy. Translational Research, 1997, 129, 536-547.	2.4	46

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37	Pharmacologic Modification of Radiation-Induced Late Normal Tissue Injury. Cancer Treatment and Research, 1998, 93, 129-151.	0.2	46
38	Whole-thorax irradiation induces hypoxic respiratory failure, pleural effusions and cardiac remodeling. Journal of Radiation Research, 2015, 56, 248-260.	0.8	44
39	Chronic Oxidative Stress as a Mechanism for Radiation Nephropathy. Radiation Research, 2009, 171, 164-172.	0.7	43
40	Prophylaxis of Bone Marrow Transplant Nephropathy with Captopril, an Inhibitor of Angiotensin-Converting Enzyme. Radiation Research, 1993, 136, 404.	0.7	42
41	Cardiac Injury after 10 Gy Total Body Irradiation: Indirect Role of Effects on Abdominal Organs. Radiation Research, 2013, 180, 247-258.	0.7	42
42	Time-dose relationships for the cure of an experimental rat tumor with fractionated radiation. International Journal of Radiation Oncology Biology Physics, 1976, 1, 431-438.	0.4	41
43	Dose-modifying factor for captopril for mitigation of radiation injury to normal lung. Journal of Radiation Research, 2012, 53, 633-640.	0.8	41
44	Short-Term Treatment with a SOD/Catalase Mimetic, EUK-207, Mitigates Pneumonitis and Fibrosis after Single-Dose Total-Body or Whole-Thoracic Irradiation. Radiation Research, 2012, 178, 468-480.	0.7	37
45	Chronic Kidney Disease After Hematopoietic Stem Cell Transplantation. Seminars in Nephrology, 2010, 30, 627-634.	0.6	36
46	Pharmacological intervention to prevent or ameliorate chronic radiation injuries. Seminars in Radiation Oncology, 2003, 13, 73-84.	1.0	35
47	Potential Deployment of Angiotensin I Converting Enzyme Inhibitors and of Angiotensin II Type 1 and Type 2 Receptor Blockers in Cancer Chemotherapy. Anti-Cancer Agents in Medicinal Chemistry, 2006, 6, 451-460.	0.9	35
48	Angiotensin II Receptor Antagonists in the Prevention of Radiation Nephropathy. Radiation Research, 1996, 146, 106.	0.7	34
49	Decreasing the Adverse Effects of Cancer Therapy: National Cancer Institute Guidance for the Clinical Development of Radiation Injury Mitigators. Clinical Cancer Research, 2011, 17, 222-228.	3.2	34
50	Dose-Time Relationships for Skin Reactions and Structural Damage in Rat Feet Exposed to 250-kVp X Rays. Radiology, 1975, 115, 465-470.	3.6	31
51	Impact of Angiotensin II Type 2 Receptor Blockade on Experimental Radiation Nephropathy. Radiation Research, 2004, 161, 312-317.	0.7	31
52	Fractionated irradiation alters enteric neuroendocrine products. Digestive Diseases and Sciences, 1995, 40, 1691-1702.	1.1	30
53	Dietary Selenium for the Mitigation of Radiation Injury: Effects of Selenium Dose Escalation and Timing of Supplementation. Radiation Research, 2011, 176, 366-374.	0.7	30
54	Mitigation of experimental radiation nephropathy by renin-equivalent doses of angiotensin converting enzyme inhibitors. International Journal of Radiation Biology, 2014, 90, 762-768.	1.0	30

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55	Mitigation of radiation induced pulmonary vascular injury by delayed treatment with captopril. Respirology, 2012, 17, 1261-1268.	1.3	28
56	Epoxyeicosatrienoic acid analogue mitigates kidney injury in a rat model of radiation nephropathy. Clinical Science, 2016, 130, 587-599.	1.8	28
57	Utility of the ACE Inhibitor Captopril in Mitigating Radiation-associated Pulmonary Toxicity in Lung Cancer. American Journal of Clinical Oncology: Cancer Clinical Trials, 2018, 41, 396-401.	0.6	28
58	WAG/RijCmcr rat models for injuries to multiple organs by single high dose ionizing radiation: similarities to nonhuman primates (NHP). International Journal of Radiation Biology, 2020, 96, 81-92.	1.0	28
59	Angiotensin II infusion exacerbates radiation nephropathy. Translational Research, 1999, 134, 283-291.	2.4	27
60	Radiation Nephropathy is not Mitigated by Antagonists of Oxidative Stress. Radiation Research, 2009, 172, 260-264.	0.7	26
61	Changes in rat corneal matrix metalloproteinases and serine proteinases under vitamin A deficiency. Current Eye Research, 1997, 16, 158-165.	0.7	25
62	Early Detection of Radiation-Induced Glomerular Injury by Albumin Permeability Assay. Radiation Research, 2001, 155, 474-480.	0.7	25
63	Role of the angiotensin II type-2 receptor in radiation nephropathy. Translational Research, 2007, 150, 106-115.	2.2	25
64	The urine proteome as a biomarker of radiation injury. Proteomics - Clinical Applications, 2008, 2, 1065-1086.	0.8	25
65	2013 Dade W. Moeller Lecture. Health Physics, 2014, 107, 164-171.	0.3	24
66	Induction of Heme Oxygenase 1 in Radiation Nephropathy: Role of Angiotensin II. Radiation Research, 2001, 155, 734-739.	0.7	23
67	The Urine Proteome as a Radiation Biodosimeter. Advances in Experimental Medicine and Biology, 2013, 990, 87-100.	0.8	23
68	Angiotensin II Blockade Reduces Radiation-Induced Proliferation in Experimental Radiation Nephropathy. Radiation Research, 2002, 157, 393-401.	0.7	22
69	Simvastatin mitigates increases in risk factors for and the occurrence of cardiac disease following 10ÂGy total body irradiation. Pharmacology Research and Perspectives, 2015, 3, e00145.	1.1	22
70	Retinoic Acid Exacerbates Experimental Radiation Nephropathy. Radiation Research, 2002, 157, 199-203.	0.7	20
71	Risks of Exposure to Ionizing and Millimeter-Wave Radiation from Airport Whole-Body Scanners¹. Radiation Research, 2012, 177, 723-726.	0.7	20
72	Retinol Is Sequestered in the Bone Marrow of Vitamin A-Deficient Rats. Journal of Nutrition, 1996, 126, 1618-1626.	1.3	19

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73	Stenotic glomerulotubular necks in radiation nephropathy. , 2000, 190, 484-488.		19
74	Enalapril Mitigates Focal Alveolar Lesions, A Histological Marker of Late Pulmonary Injury by Radiation to the Lung. Radiation Research, 2013, 179, 465-474.	0.7	17
75	Angiotensin converting enzyme inhibitor captopril does not prevent acute gastrointestinal radiation damage in the rat. Radiation Oncology Investigations, 1997, 5, 50-53.	1.3	16
76	Radiation fractionation: the search for isoeffect relationships and mechanisms. International Journal of Radiation Biology, 2018, 94, 743-751.	1.0	16
77	Age Dependence of Radiation Nephropathy in the Rat. Radiation Research, 1997, 147, 349.	0.7	15
78	Proposition: Radiation hormesis should be elevated to a position of scientific respectability. Medical Physics, 1998, 25, 1407-1410.	1.6	15
79	Effects of local irradiation on spin-lattice relaxation time of phosphate metabolites in mouse tumors monitored by31P magnetic resonance spectroscopy. Magnetic Resonance in Medicine, 1992, 23, 302-310.	1.9	12
80	Clinically Relevant Doses of Enalapril Mitigate Multiple Organ Radiation Injury. Radiation Research, 2016, 185, 313-318.	0.7	12
81	Radiobiology of nuclear terrorism: report on an interagency workshop (Bethesda, MD, December) Tj ETQq1 1 0.784314 rgBT /Overloc	0.4	11
82	Chemical radiosensitizers: the Journal history. International Journal of Radiation Biology, 2019, 95, 940-944.	1.0	11
83	Response to Pall, â€œWi-Fi is an important threat to human healthâ€• Environmental Research, 2019, 168, 445-447.	3.7	10
84	Renal dysfunction after total body irradiation: Dose-effect relationship: In regard to Kal and van Kempen-Harteveld (Int J Radiat Oncol Biol Phys 2006;65:1228â€“1232). International Journal of Radiation Oncology Biology Physics, 2007, 67, 319.	0.4	9
85	Re: Davis etÂal., â€œTiming of captopril administration determines radiation protection or radiation sensitization in a murine model of total body irradiationâ€• Experimental Hematology, 2011, 39, 521-522.	0.2	9
86	Enhanced survival from radiation pneumonitis by combined irradiation to the skin. International Journal of Radiation Biology, 2014, 90, 753-761.	1.0	8
87	Evaluation of Genomic Evidence for Oxidative Stress in Experimental Radiation Nephropathy. Journal of Genetic Disorders & Genetic Reports, 2013, 02, .	0.1	8
88	Effects of Diet on Late Radiation Injuries in Rats. Health Physics, 2019, 116, 566-570.	0.3	7
89	The Potential Use of the Discouraging Random Guessing (DRG) Approach in Multiple-Choice Exams in Medical Education. Medical Teacher, 1987, 9, 333-342.	1.0	6
90	Angiotensin converting enzyme (ACE) inhibitors as radiation countermeasures for long-duration space flights. Life Sciences in Space Research, 2022, 35, 60-68.	1.2	4

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91	Late-onset effects of radiation and chronic kidney disease. Lancet, The, 2015, 386, 1737-1738.	6.3	3
92	Can Wi-Fi Affect Brain Function?. Radiation Research, 2015, 184, 565-567.	0.7	2
93	The New Zealand white rabbit animal model of acute radiation syndrome: hematopoietic and coagulation-based parameters by radiation dose following supportive care. International Journal of Radiation Biology, 2021, 97, S45-S62.	1.0	2
94	Radiation risk to dialysis patients. Kidney International, 2011, 79, 686.	2.6	1
95	Mitigation of normal tissue radiation injury: evidence from rat radiation nephropathy models. Journal of Radiation Oncology, 2016, 5, 1-8.	0.7	1
96	Radiation Increases Bioavailability of Lisinopril, a Mitigator of Radiation-Induced Toxicities. Frontiers in Pharmacology, 2021, 12, 646076.	1.6	1
97	Prevention and Treatment of Radiation Injuries. , 2008, , 69-76.		1