

Omid Azimzadeh

List of Publications by Year in descending order

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66
papers

2,136
citations

201674

27
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233421

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all docs

66
docs citations

66
times ranked

2899
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear Fragility in Radiation-Induced Senescence: Blebs and Tubes Visualized by 3D Electron Microscopy. <i>Cells</i> , 2022, 11, 273.	4.1	9
2	Omics in Radiation Biology: Surprised but Not Disappointed. <i>Radiation</i> , 2022, 2, 124-129.	1.4	6
3	A systems radiation biology approach to unravel the role of chronic low-dose-rate gamma-irradiation in inducing premature senescence in endothelial cells. <i>PLoS ONE</i> , 2022, 17, e0265281.	2.5	4
4	A Five-Year report on the conception and establishment of the MSc Radiation Biology at the Technical University of Munich. <i>International Journal of Radiation Biology</i> , 2021, 97, 256-264.	1.8	0
5	Quantitative Proteomic Analysis Using Formalin-Fixed, Paraffin-Embedded (FFPE) Human Cardiac Tissue. <i>Methods in Molecular Biology</i> , 2021, 2261, 525-533.	0.9	2
6	Out-of-Field Hippocampus from Partial-Body Irradiated Mice Displays Changes in Multi-Omics Profile and Defects in Neurogenesis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4290.	4.1	5
7	Impact of DNA repair and reactive oxygen species levels on radioresistance in pancreatic cancer. <i>Radiotherapy and Oncology</i> , 2021, 159, 265-276.	0.6	9
8	Data-Independent Acquisition Proteomics Reveals Long-Term Biomarkers in the Serum of C57BL/6J Mice Following Local High-Dose Heart Irradiation. <i>Frontiers in Public Health</i> , 2021, 9, 678856.	2.7	4
9	Targeting Cancer Metabolism Breaks Radioresistance by Impairing the Stress Response. <i>Cancers</i> , 2021, 13, 3762.	3.7	17
10	Expert consultation is vital for adverse outcome pathway development: a case example of cardiovascular effects of ionizing radiation. <i>International Journal of Radiation Biology</i> , 2021, 97, 1-10.	1.8	20
11	A Human 3D Cardiomyocyte Risk Model to Study the Cardiotoxic Influence of X-rays and Other Noxae in Adults. <i>Cells</i> , 2021, 10, 2608.	4.1	6
12	Advanced Omics and Radiobiological Tissue Archives: The Future in the Past. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11108.	2.5	5
13	Activation of PPAR α by Fenofibrate Attenuates the Effect of Local Heart High Dose Irradiation on the Mouse Cardiac Proteome. <i>Biomedicines</i> , 2021, 9, 1845.	3.2	5
14	CREB Signaling Mediates Dose-Dependent Radiation Response in the Murine Hippocampus Two Years after Total Body Exposure. <i>Journal of Proteome Research</i> , 2020, 19, 337-345.	3.7	16
15	Data independent acquisition mass spectrometry of irradiated mouse lung endothelial cells reveals a STAT-associated inflammatory response. <i>International Journal of Radiation Biology</i> , 2020, 96, 642-650.	1.8	5
16	Chronic Occupational Exposure to Ionizing Radiation Induces Alterations in the Structure and Metabolism of the Heart: A Proteomic Analysis of Human Formalin-Fixed Paraffin-Embedded (FFPE) Cardiac Tissue. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6832.	4.1	17
17	Radiation Response of Human Cardiac Endothelial Cells Reveals a Central Role of the cGAS-STING Pathway in the Development of Inflammation. <i>Proteomes</i> , 2020, 8, 30.	3.5	13
18	Radiation Exposure of Peripheral Mononuclear Blood Cells Alters the Composition and Function of Secreted Extracellular Vesicles. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2336.	4.1	18

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19	Oncogenic Linear Collagen VI of Invasive Breast Cancer Is Induced by CCL5. <i>Journal of Clinical Medicine</i> , 2020, 9, 991.	2.4	13
20	Comparison of methods to isolate proteins from extracellular vesicles for mass spectrometry-based proteomic analyses. <i>Analytical Biochemistry</i> , 2019, 584, 113390.	2.4	39
21	Hyperacetylation of Cardiac Mitochondrial Proteins Is Associated with Metabolic Impairment and Sirtuin Downregulation after Chronic Total Body Irradiation of ApoE ^{-/-} Mice. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5239.	4.1	27
22	Mathematical Modelling and Effect Size Analysis in Support of Searching for the Proteomic Signature of Radiotherapy Toxicity. , 2019, , .		0
23	Combined Treatment with Low-Dose Ionizing Radiation and Ketamine Induces Adverse Changes in CA1 Neuronal Structure in Male Murine Hippocampi. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6103.	4.1	7
24	Lifetime study in mice after acute low-dose ionizing radiation: a multifactorial study with special focus on cataract risk. <i>Radiation and Environmental Biophysics</i> , 2018, 57, 99-113.	1.4	30
25	PPAR δ Is Necessary for Radiation-Induced Activation of Noncanonical TGF β 2 Signaling in the Heart. <i>Journal of Proteome Research</i> , 2018, 17, 1677-1689.	3.7	17
26	Integrative multiomics study for validation of mechanisms in radiation-induced ischemic heart disease in Mayak workers. <i>PLoS ONE</i> , 2018, 13, e0209626.	2.5	11
27	Ionizing radiation biomarkers in epidemiological studies – An update. <i>Mutation Research - Reviews in Mutation Research</i> , 2017, 771, 59-84.	5.5	118
28	Quantitative changes in the protein and miRNA cargo of plasma exosome-like vesicles after exposure to ionizing radiation. <i>International Journal of Radiation Biology</i> , 2017, 93, 569-580.	1.8	63
29	Long non-coding RNA PARTICLE bridges histone and DNA methylation. <i>Scientific Reports</i> , 2017, 7, 1790.	3.3	43
30	Radiation alters the cargo of exosomes released from squamous head and neck cancer cells to promote migration of recipient cells. <i>Scientific Reports</i> , 2017, 7, 12423.	3.3	92
31	Proteomics landscape of radiation-induced cardiovascular disease: somewhere over the paradigm. <i>Expert Review of Proteomics</i> , 2017, 14, 987-996.	3.0	11
32	Radiation-Induced Endothelial Inflammation Is Transferred via the Secretome to Recipient Cells in a STAT-Mediated Process. <i>Journal of Proteome Research</i> , 2017, 16, 3903-3916.	3.7	18
33	PARTICLE triplexes cluster in the tumor suppressor WWOX and may extend throughout the human genome. <i>Scientific Reports</i> , 2017, 7, 7163.	3.3	27
34	Proteome analysis of irradiated endothelial cells reveals persistent alteration in protein degradation and the RhoGDI and NO signalling pathways. <i>International Journal of Radiation Biology</i> , 2017, 93, 920-928.	1.8	16
35	Role of TGF Beta and PPAR Alpha Signaling Pathways in Radiation Response of Locally Exposed Heart: Integrated Global Transcriptomics and Proteomics Analysis. <i>Journal of Proteome Research</i> , 2017, 16, 307-318.	3.7	39
36	Low-dose radiation differentially regulates protein acetylation and histone deacetylase expression in human coronary artery endothelial cells. <i>International Journal of Radiation Biology</i> , 2017, 93, 156-164.	1.8	12

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37	Differential Impact of Single-Dose Fe Ion and X-Ray Irradiation on Endothelial Cell Transcriptomic and Proteomic Responses. <i>Frontiers in Pharmacology</i> , 2017, 8, 570.	3.5	18
38	A dose-dependent perturbation in cardiac energy metabolism is linked to radiation-induced ischemic heart disease in Mayak nuclear workers. <i>Oncotarget</i> , 2017, 8, 9067-9078.	1.8	50
39	Proteomics approaches to investigate cancer radiotherapy outcome: slow train coming. <i>Translational Cancer Research</i> , 2017, 6, S779-S788.	1.0	11
40	Abstract 5849: Exosomes promote survival and migration in squamous head and neck cancer cells after ionizing radiation: Evidence for a bystander effect. , 2017, , .		0
41	Brain Radiation Information Data Exchange (BRIDE): integration of experimental data from low-dose ionising radiation research for pathway discovery. <i>BMC Bioinformatics</i> , 2016, 17, 212.	2.6	5
42	In-Utero Low-Dose Irradiation Leads to Persistent Alterations in the Mouse Heart Proteome. <i>PLoS ONE</i> , 2016, 11, e0156952.	2.5	13
43	Age-related effects of X-ray irradiation on mouse hippocampus. <i>Oncotarget</i> , 2016, 7, 28040-28058.	1.8	44
44	Quantitative and integrated proteome and microRNA analysis of endothelial replicative senescence. <i>Journal of Proteomics</i> , 2015, 126, 12-23.	2.4	25
45	Unique proteomic signature for radiation sensitive patients; a comparative study between normo-sensitive and radiation sensitive breast cancer patients. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2015, 776, 128-135.	1.0	14
46	Total Body Exposure to Low-Dose Ionizing Radiation Induces Long-Term Alterations to the Liver Proteome of Neonatally Exposed Mice. <i>Journal of Proteome Research</i> , 2015, 14, 366-373.	3.7	33
47	Integrative Proteomics and Targeted Transcriptomics Analyses in Cardiac Endothelial Cells Unravel Mechanisms of Long-Term Radiation-Induced Vascular Dysfunction. <i>Journal of Proteome Research</i> , 2015, 14, 1203-1219.	3.7	86
48	Late proliferating and inflammatory effects on murine microvascular heart and lung endothelial cells after irradiation. <i>Radiotherapy and Oncology</i> , 2015, 117, 376-381.	0.6	42
49	Qualitative and Quantitative Proteomic Analysis of Formalin-Fixed Paraffin-Embedded (FFPE) Tissue. <i>Methods in Molecular Biology</i> , 2015, 1295, 109-115.	0.9	5
50	Proteomics in radiation research: present status and future perspectives. <i>Radiation and Environmental Biophysics</i> , 2014, 53, 31-38.	1.4	26
51	Proteomic Strategies: SILAC and 2D-DIGE "Powerful Tool to Investigate Cellular Alterations". <i>Methods in Molecular Biology</i> , 2014, 1101, 369-392.	0.9	1
52	Long-term effects of acute low-dose ionizing radiation on the neonatal mouse heart: a proteomic study. <i>Radiation and Environmental Biophysics</i> , 2013, 52, 451-461.	1.4	26
53	Long-term effects of ionising radiation on the brain: cause for concern?. <i>Radiation and Environmental Biophysics</i> , 2013, 52, 5-16.	1.4	42
54	Integrative proteomic and microRNA analysis of primary human coronary artery endothelial cells exposed to low-dose gamma radiation. <i>Radiation and Environmental Biophysics</i> , 2013, 52, 87-98.	1.4	34

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55	Quantitative proteomic analysis reveals induction of premature senescence in human umbilical vein endothelial cells exposed to chronic low-dose rate gamma radiation. <i>Proteomics</i> , 2013, 13, 1096-1107.	2.2	102
56	Ionising radiation induces persistent alterations in the cardiac mitochondrial function of C57BL/6 mice 40 weeks after local heart exposure. <i>Radiotherapy and Oncology</i> , 2013, 106, 404-410.	0.6	65
57	PPAR Alpha: A Novel Radiation Target in Locally Exposed <i>Mus musculus</i> Heart Revealed by Quantitative Proteomics. <i>Journal of Proteome Research</i> , 2013, 12, 2700-2714.	3.7	56
58	The PI3K/Akt/mTOR Pathway Is Implicated in the Premature Senescence of Primary Human Endothelial Cells Exposed to Chronic Radiation. <i>PLoS ONE</i> , 2013, 8, e70024.	2.5	82
59	Nucleic acids from long-term preserved FFPE tissues are suitable for downstream analyses. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2012, 460, 131-140.	2.8	153
60	Proteomic analysis by SILAC and 2D-DIGE reveals radiation-induced endothelial response: Four key pathways. <i>Journal of Proteomics</i> , 2012, 75, 2319-2330.	2.4	41
61	Label-free protein profiling of formalin-fixed paraffin-embedded (FFPE) heart tissue reveals immediate mitochondrial impairment after ionising radiation. <i>Journal of Proteomics</i> , 2012, 75, 2384-2395.	2.4	35
62	Radiation-Induced Signaling Results in Mitochondrial Impairment in Mouse Heart at 4 Weeks after Exposure to X-Rays. <i>PLoS ONE</i> , 2011, 6, e27811.	2.5	134
63	Low-dose irradiation causes rapid alterations to the proteome of the human endothelial cell line EA.hy926. <i>Radiation and Environmental Biophysics</i> , 2011, 50, 155-166.	1.4	49
64	Rapid proteomic remodeling of cardiac tissue caused by total body ionizing radiation. <i>Proteomics</i> , 2011, 11, 3299-3311.	2.2	87
65	<i>Plasmodium falciparum</i> PfA-M1 aminopeptidase is trafficked via the parasitophorous vacuole and marginally delivered to the food vacuole. <i>Malaria Journal</i> , 2010, 9, 189.	2.3	31
66	Formalin-Fixed Paraffin-Embedded (FFPE) Proteome Analysis Using Gel-Free and Gel-Based Proteomics. <i>Journal of Proteome Research</i> , 2010, 9, 4710-4720.	3.7	82