

# Evagelia C Laiakis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4753264/publications.pdf>

Version: 2024-02-01

59  
papers

1,557  
citations

346980

22  
h-index

371746

37  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1623  
citing authors

#	ARTICLE	IF	CITATIONS
1	Small Molecule Signatures of Mice Lacking T-cell p38 Alternate Activation, a Model for Immunosuppression Conditions, after Total-Body Irradiation. <i>Radiation Research</i> , 2022, , .	0.7	0
2	Effect of the p38 Mitogen-Activated Protein Kinase Signaling Cascade on Radiation Biodosimetry. <i>Radiation Research</i> , 2022, 198, .	0.7	3
3	Biofluid Metabolomics and Lipidomics of Mice Exposed to External Very High-Dose Rate Radiation. <i>Metabolites</i> , 2022, 12, 520.	1.3	3
4	Summary of the Second Bill Morgan Memorial Symposium: an update on low dose biology, epidemiology, its integration and implications for radiation protection. <i>International Journal of Radiation Biology</i> , 2021, 97, 861-865.	1.0	2
5	Effects of Low Dose Space Radiation Exposures on the Splenic Metabolome. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3070.	1.8	12
6	Introduction to the Second Bill Morgan Memorial Special Issue: an update on low dose biology, epidemiology, its integration and implications for radiation protection. <i>International Journal of Radiation Biology</i> , 2021, 97, 1-2.	1.0	0
7	Hepatic lipid signatures of little brown bats ( <i>Myotis lucifugus</i> ) and big brown bats ( <i>Eptesicus fuscus</i> ) at early stages of white-nose syndrome. <i>Scientific Reports</i> , 2021, 11, 11581.	1.6	2
8	Biofluid Metabolomics of Mice Exposed to External Low-Dose Rate Radiation in a Novel Irradiation System, the Variable Dose-Rate External <sup>137</sup> Cs Irradiator. <i>Journal of Proteome Research</i> , 2021, 20, 5145-5155.	1.8	5
9	Metabolomic Profiling for Diagnosis and Prognostication in Surgery: A Scoping Review. <i>Annals of Surgery</i> , 2021, 273, 258-268.	2.1	7
10	Small Molecule Responses to Sequential Irradiation with Neutrons and Photons for Biodosimetry Applications: An Initial Assessment. <i>Radiation Research</i> , 2021, 196, 468-477.	0.7	7
11	Metabolomic approaches to study the tumor microenvironment. <i>Methods in Enzymology</i> , 2020, 636, 93-108.	0.4	3
12	Comprehensive Multi-omics Analysis Reveals Mitochondrial Stress as a Central Biological Hub for Spaceflight Impact. <i>Cell</i> , 2020, 183, 1185-1201.e20.	13.5	161
13	VADER: a variable dose-rate external <sup>137</sup> Cs irradiator for internal emitter and low dose rate studies. <i>Scientific Reports</i> , 2020, 10, 19899.	1.6	12
14	Effects of Genetic Variation on Urinary Small Molecule Signatures of Mice after Exposure to Ionizing Radiation: A Study of p53 Deficiency. <i>Metabolites</i> , 2020, 10, 234.	1.3	5
15	Serum Metabolomic Alterations Associated with Cesium-137 Internal Emitter Delivered in Various Dose Rates. <i>Metabolites</i> , 2020, 10, 270.	1.3	6
16	Disparate Metabolomics Data Reassembler: A Novel Algorithm for Agglomerating Incongruent LC-MS Metabolomics Datasets. <i>Analytical Chemistry</i> , 2020, 92, 5231-5239.	3.2	9
17	Quantitation of Urinary Acylcarnitines by DMS-MS/MS Uncovers the Effects of Total Body Irradiation in Cancer Patients. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 498-507.	1.2	3
18	Irradiation of the kidneys causes pathologic remodeling in the nontargeted heart: A role for the immune system. <i>FASEB BioAdvances</i> , 2020, 2, 705-719.	1.3	12

#	ARTICLE	IF	CITATIONS
19	Effect of 3,3'-Diindolylmethane on Pulmonary Injury Following Thoracic Irradiation in CBA Mice. <i>Health Physics</i> , 2020, 119, 746-757.	0.3	2
20	Salivary Metabolomics of Total Body Irradiated Nonhuman Primates Reveals Long-Term Normal Tissue Responses to Radiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, 843-851.	0.4	16
21	Fabric Phase Sorptive Extraction—A Metabolomic Preprocessing Approach for Ionizing Radiation Exposure Assessment. <i>Journal of Proteome Research</i> , 2019, 18, 3020-3031.	1.8	12
22	Temporal Effects on Radiation Responses in Nonhuman Primates: Identification of Biofluid Small Molecule Signatures by Gas Chromatography—Mass Spectrometry Metabolomics. <i>Metabolites</i> , 2019, 9, 98.	1.3	21
23	Impact of inflammatory signaling on radiation biodosimetry: mouse model of inflammatory bowel disease. <i>BMC Genomics</i> , 2019, 20, 329.	1.2	18
24	Liquid Chromatography—Mass Spectrometry-Based Metabolomics of Nonhuman Primates after 4 Gy Total Body Radiation Exposure: Global Effects and Targeted Panels. <i>Journal of Proteome Research</i> , 2019, 18, 2260-2269.	1.8	28
25	Serum lipidomic analysis from mixed neutron/X-ray radiation fields reveals a hyperlipidemic and pro-inflammatory phenotype. <i>Scientific Reports</i> , 2019, 9, 4539.	1.6	26
26	Metabolomic Applications in Radiation Biodosimetry. <i>Methods in Molecular Biology</i> , 2019, 1978, 391-402.	0.4	6
27	Differential mobility spectrometry (DMS) reveals the elevation of urinary acetylcarnitine in non-human primates (NHPs) exposed to radiation. <i>Journal of Mass Spectrometry</i> , 2018, 53, 548-559.	0.7	12
28	Global Gene Expression Response in Mouse Models of DNA Repair Deficiency after Gamma Irradiation. <i>Radiation Research</i> , 2018, 189, 337.	0.7	21
29	Nonhuman Primates with Acute Radiation Syndrome: Results from a Global Serum Metabolomics Study after 7.2 Gy Total-Body Irradiation. <i>Radiation Research</i> , 2018, 190, 576.	0.7	23
30	A Metabolomic Serum Signature from Nonhuman Primates Treated with a Radiation Countermeasure, Gamma-tocotrienol, and Exposed to Ionizing Radiation. <i>Health Physics</i> , 2018, 115, 3-11.	0.3	30
31	Gene Expression in Parp1 Deficient Mice Exposed to a Median Lethal Dose of Gamma Rays. <i>Radiation Research</i> , 2018, 190, 53.	0.7	4
32	Differential Mobility Spectrometry-Mass Spectrometry (DMS-MS) in Radiation Biodosimetry: Rapid and High-Throughput Quantitation of Multiple Radiation Biomarkers in Nonhuman Primate Urine. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1650-1664.	1.2	23
33	Global metabolomic responses in urine from atm deficient mice in response to LD <sub>50/30</sub> gamma irradiation doses. <i>Environmental and Molecular Mutagenesis</i> , 2018, 59, 576-585.	0.9	7
34	Metabolomic applications in radiation biodosimetry: exploring radiation effects through small molecules. <i>International Journal of Radiation Biology</i> , 2017, 93, 1151-1176.	1.0	87
35	Metabolic Dysregulation after Neutron Exposures Expected from an Improvised Nuclear Device. <i>Radiation Research</i> , 2017, 188, 21.	0.7	23
36	Gas Chromatography/Mass Spectrometry Metabolomics of Urine and Serum from Nonhuman Primates Exposed to Ionizing Radiation: Impacts on the Tricarboxylic Acid Cycle and Protein Metabolism. <i>Journal of Proteome Research</i> , 2017, 16, 2091-2100.	1.8	32

#	ARTICLE	IF	CITATIONS
37	A Serum Small Molecule Biosignature of Radiation Exposure from Total Body Irradiated Patients. <i>Journal of Proteome Research</i> , 2017, 16, 3805-3815.	1.8	37
38	Lipidomic Signatures of Nonhuman Primates with Radiation-Induced Hematopoietic Syndrome. <i>Scientific Reports</i> , 2017, 7, 9777.	1.6	41
39	A lipidomic and metabolomic serum signature from nonhuman primates exposed to ionizing radiation. <i>Metabolomics</i> , 2016, 12, 1.	1.4	55
40	Implications of genotypic differences in the generation of a urinary metabolomics radiation signature. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2016, 788, 41-49.	0.4	23
41	Targeted metabolomics of nonhuman primate serum after exposure to ionizing radiation: potential tools for high-throughput biodosimetry. <i>RSC Advances</i> , 2016, 6, 51192-51202.	1.7	38
42	Assessment of Saliva as a Potential Biofluid for Biodosimetry: A Pilot Metabolomics Study in Mice. <i>Radiation Research</i> , 2016, 186, 92-97.	0.7	21
43	Rapid and High-Throughput Detection and Quantitation of Radiation Biomarkers in Human and Nonhuman Primates by Differential Mobility Spectrometry-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1626-1636.	1.2	18
44	Selective Paired Ion Contrast Analysis: A Novel Algorithm for Analyzing Postprocessed LC-MS Metabolomics Data Possessing High Experimental Noise. <i>Analytical Chemistry</i> , 2015, 87, 3177-3186.	3.2	23
45	Distinct serum metabolomics profiles associated with malignant progression in the KrasG12D mouse model of pancreatic ductal adenocarcinoma. <i>BMC Genomics</i> , 2015, 16, S1.	1.2	35
46	Global Metabolomic Identification of Long-Term Dose-Dependent Urinary Biomarkers in Nonhuman Primates Exposed to Ionizing Radiation. <i>Radiation Research</i> , 2015, 184, 121.	0.7	53
47	Metabolomic Profiling of Urine Samples from Mice Exposed to Protons Reveals Radiation Quality and Dose Specific Differences. <i>Radiation Research</i> , 2015, 183, 382.	0.7	28
48	Metabolizer: A Novel Statistical Workflow for Analyzing Postprocessed LC-MS Metabolomics Data. <i>Analytical Chemistry</i> , 2014, 86, 506-513.	3.2	87
49	Development of a Metabolomic Radiation Signature in Urine from Patients Undergoing Total Body Irradiation. <i>Radiation Research</i> , 2014, 181, 350.	0.7	76
50	Metabolic Phenotyping Reveals a Lipid Mediator Response to Ionizing Radiation. <i>Journal of Proteome Research</i> , 2014, 13, 4143-4154.	1.8	62
51	Identifying radiation exposure biomarkers from mouse blood transcriptome. <i>International Journal of Bioinformatics Research and Applications</i> , 2013, 9, 365.	0.1	13
52	Comparison of Mouse Urinary Metabolic Profiles after Exposure to the Inflammatory Stressors $\beta$ Radiation and Lipopolysaccharide. <i>Radiation Research</i> , 2012, 177, 187.	0.7	49
53	Relative biological effectiveness of $^{12}\text{C}$ and $^{28}\text{Si}$ radiation in C57BL/6J mice. <i>Radiation and Environmental Biophysics</i> , 2012, 51, 303-309.	0.6	23
54	Radiation metabolomics and its potential in biodosimetry. <i>International Journal of Radiation Biology</i> , 2011, 87, 802-823.	1.0	88

#	ARTICLE	IF	CITATIONS
55	Metabolomic Analysis in Severe Childhood Pneumonia in The Gambia, West Africa: Findings from a Pilot Study. PLoS ONE, 2010, 5, e12655.	1.1	87
56	Interleukin 8 exhibits a pro-mitogenic and pro-survival role in radiation induced genomically unstable cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2008, 640, 74-81.	0.4	10
57	DNA Damage Signaling in Hematopoietic Cells: A Role for Mre11 Complex Repair of Topoisomerase Lesions. Cancer Research, 2008, 68, 2186-2193.	0.4	17
58	Cytokine and chemokine responses after exposure to ionizing radiation: Implications for the astronauts. Advances in Space Research, 2007, 39, 1019-1025.	1.2	16
59	Molecular cloning, expression and radiation hybrid mapping of the bovine deiodinase type II (DIO2) and deiodinase type III (DIO3) genes. Animal Genetics, 2005, 36, 240-243.	0.6	12