

# 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

304743

22  
h-index

330143

37  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1487  
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. Radiation Research, 2022, , .	1.5	0
2	Effect of the p38 Mitogen-Activated Protein Kinase Signaling Cascade on Radiation Biodosimetry. Radiation Research, 2022, 198, .	1.5	3
3	Biofluid Metabolomics and Lipidomics of Mice Exposed to External Very High-Dose Rate Radiation. Metabolites, 2022, 12, 520.	2.9	3
4	Summary of the Second Bill Morgan Memorial Symposium: an update on low dose biology, epidemiology, its integration and implications for radiation protection. International Journal of Radiation Biology, 2021, 97, 861-865.	1.8	2
5	Effects of Low Dose Space Radiation Exposures on the Splenic Metabolome. International Journal of Molecular Sciences, 2021, 22, 3070.	4.1	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. International Journal of Radiation Biology, 2021, 97, 1-2.	1.8	0
7	Hepatic lipid signatures of little brown bats (Myotis lucifugus) and big brown bats (Eptesicus fuscus) at early stages of white-nose syndrome. Scientific Reports, 2021, 11, 11581.	3.3	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. Journal of Proteome Research, 2021, 20, 5145-5155.	3.7	5
9	Metabolomic Profiling for Diagnosis and Prognostication in Surgery: A Scoping Review. Annals of Surgery, 2021, 273, 258-268.	4.2	7
10	Small Molecule Responses to Sequential Irradiation with Neutrons and Photons for Biodosimetry Applications: An Initial Assessment. Radiation Research, 2021, 196, 468-477.	1.5	7
11	Metabolomic approaches to study the tumor microenvironment. Methods in Enzymology, 2020, 636, 93-108.	1.0	3
12	Comprehensive Multi-omics Analysis Reveals Mitochondrial Stress as a Central Biological Hub for Spaceflight Impact. Cell, 2020, 183, 1185-1201.e20.	28.9	161
13	VADER: a variable dose-rate external <sup>137</sup> Cs irradiator for internal emitter and low dose rate studies. Scientific Reports, 2020, 10, 19899.	3.3	12
14	Effects of Genetic Variation on Urinary Small Molecule Signatures of Mice after Exposure to Ionizing Radiation: A Study of p53 Deficiency. Metabolites, 2020, 10, 234.	2.9	5
15	Serum Metabolomic Alterations Associated with Cesium-137 Internal Emitter Delivered in Various Dose Rates. Metabolites, 2020, 10, 270.	2.9	6
16	Disparate Metabolomics Data Reassembler: A Novel Algorithm for Agglomerating Incongruent LC-MS Metabolomics Datasets. Analytical Chemistry, 2020, 92, 5231-5239.	6.5	9
17	Quantitation of Urinary Acylcarnitines by DMS-MS/MS Uncovers the Effects of Total Body Irradiation in Cancer Patients. Journal of the American Society for Mass Spectrometry, 2020, 31, 498-507.	2.8	3
18	Irradiation of the kidneys causes pathologic remodeling in the nontargeted heart: A role for the immune system. FASEB BioAdvances, 2020, 2, 705-719.	2.4	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.	0.5	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.	0.8	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.	3.7	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.	2.9	21
23	Impact of inflammatory signaling on radiation biodosimetry: mouse model of inflammatory bowel disease. <i>BMC Genomics</i> , 2019, 20, 329.	2.8	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.	3.7	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.	3.3	26
26	Metabolomic Applications in Radiation Biodosimetry. <i>Methods in Molecular Biology</i> , 2019, 1978, 391-402.	0.9	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.	1.6	12
28	Global Gene Expression Response in Mouse Models of DNA Repair Deficiency after Gamma Irradiation. <i>Radiation Research</i> , 2018, 189, 337.	1.5	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.	1.5	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.	0.5	30
31	Gene Expression in Parp1 Deficient Mice Exposed to a Median Lethal Dose of Gamma Rays. <i>Radiation Research</i> , 2018, 190, 53.	1.5	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.	2.8	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.	2.2	7
34	Metabolomic applications in radiation biodosimetry: exploring radiation effects through small molecules. <i>International Journal of Radiation Biology</i> , 2017, 93, 1151-1176.	1.8	87
35	Metabolic Dysregulation after Neutron Exposures Expected from an Improvised Nuclear Device. <i>Radiation Research</i> , 2017, 188, 21.	1.5	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.	3.7	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.	3.7	37
38	Lipidomic Signatures of Nonhuman Primates with Radiation-Induced Hematopoietic Syndrome. <i>Scientific Reports</i> , 2017, 7, 9777.	3.3	41
39	A lipidomic and metabolomic serum signature from nonhuman primates exposed to ionizing radiation. <i>Metabolomics</i> , 2016, 12, 1.	3.0	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.	1.0	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.	3.6	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.	1.5	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.	2.8	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.	6.5	23
45	Distinct serum metabolomics profiles associated with malignant progression in the KrasG12Dmouse model of pancreatic ductal adenocarcinoma. <i>BMC Genomics</i> , 2015, 16, S1.	2.8	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.	1.5	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.	1.5	28
48	Metabolizer: A Novel Statistical Workflow for Analyzing Postprocessed LC-MS Metabolomics Data. <i>Analytical Chemistry</i> , 2014, 86, 506-513.	6.5	87
49	Development of a Metabolomic Radiation Signature in Urine from Patients Undergoing Total Body Irradiation. <i>Radiation Research</i> , 2014, 181, 350.	1.5	76
50	Metabolic Phenotyping Reveals a Lipid Mediator Response to Ionizing Radiation. <i>Journal of Proteome Research</i> , 2014, 13, 4143-4154.	3.7	62
51	Identifying radiation exposure biomarkers from mouse blood transcriptome. <i>International Journal of Bioinformatics Research and Applications</i> , 2013, 9, 365.	0.2	13
52	Comparison of Mouse Urinary Metabolic Profiles after Exposure to the Inflammatory Stressors $\hat{\text{I}}^3$ Radiation and Lipopolysaccharide. <i>Radiation Research</i> , 2012, 177, 187.	1.5	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.	1.4	23
54	Radiation metabolomics and its potential in biodosimetry. <i>International Journal of Radiation Biology</i> , 2011, 87, 802-823.	1.8	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.	2.5	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.	1.0	10
57	DNA Damage Signaling in Hematopoietic Cells: A Role for Mre11 Complex Repair of Topoisomerase Lesions. Cancer Research, 2008, 68, 2186-2193.	0.9	17
58	Cytokine and chemokine responses after exposure to ionizing radiation: Implications for the astronauts. Advances in Space Research, 2007, 39, 1019-1025.	2.6	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.	1.7	12