

# Evan L Pannkuk

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

736  
citations

471509

17  
h-index

552781

26  
g-index

38  
all docs

38  
docs citations

38  
times ranked

680  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A lipidomic and metabolomic serum signature from nonhuman primates exposed to ionizing radiation. <i>Metabolomics</i> , 2016, 12, 1.	3.0	55
3	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
4	Isolation and Identification of an Extracellular Subtilisin-Like Serine Protease Secreted by the Bat Pathogen <i>Pseudogymnoascus destructans</i> . <i>PLoS ONE</i> , 2015, 10, e0120508.	2.5	42
5	Lipidomic Signatures of Nonhuman Primates with Radiation-Induced Hematopoietic Syndrome. <i>Scientific Reports</i> , 2017, 7, 9777.	3.3	41
6	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
7	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
8	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
9	Alterations in Cell Motility, Proliferation, and Metabolism in Novel Models of Acquired Temozolomide Resistant Glioblastoma. <i>Scientific Reports</i> , 2018, 8, 7222.	3.3	32
10	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
11	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
12	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
13	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
14	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
15	Disease recovery in bats affected by white-nose syndrome. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	23
16	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
17	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
18	Triacylglyceride (TAG) profiles of integumentary lipids isolated from three bat species determined by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI–TOF MS). <i>Canadian Journal of Zoology</i> , 2012, 90, 1117-1127.	1.0	16

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19	Sebacous Lipid Profiling of Bat Integumentary Tissues: Quantitative Analysis of Free Fatty Acids, Monoacylglycerides, Squalene, and Sterols. <i>Chemistry and Biodiversity</i> , 2013, 10, 2122-2132.	2.1	16
20	Fatty Acid Methyl Ester Profiles of Bat Wing Surface Lipids. <i>Lipids</i> , 2014, 49, 1143-1150.	1.7	13
21	Differential mobility spectrometry (DMS) reveals the elevation of urinary acetylcarnitine in nonhuman primates (NHPs) exposed to radiation. <i>Journal of Mass Spectrometry</i> , 2018, 53, 548-559.	1.6	12
22	Colour phases of the eastern screech owl: a comparison of biomechanical variables of body contour feathers. <i>Functional Ecology</i> , 2010, 24, 347-353.	3.6	11
23	Glycerophospholipid Profiles of Bats with White-Nose Syndrome. <i>Physiological and Biochemical Zoology</i> , 2015, 88, 425-432.	1.5	11
24	Theaphenon E prevents fatty liver disease and increases CD4+ T cell survival in mice fed a high-fat diet. <i>Clinical Nutrition</i> , 2021, 40, 110-119.	5.0	10
25	Profiling the Triacylglyceride Contents in Bat Integumentary Lipids by Preparative Thin Layer Chromatography and MALDI-TOF Mass Spectrometry. <i>Journal of Visualized Experiments</i> , 2013, , .	0.3	7
26	Glycerophospholipid Analysis of Eastern Red Bat ( <i>Lasiurus borealis</i> ) Hair by Electrospray Ionization Tandem Mass Spectrometry. <i>Journal of Chemical Ecology</i> , 2014, 40, 227-235.	1.8	6
27	Triacylglyceride composition and fatty acyl saturation profile of a psychrophilic and psychrotolerant fungal species grown at different temperatures. <i>Fungal Biology</i> , 2014, 118, 792-799.	2.5	5
28	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.	2.9	5
29	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.	3.7	5
30	Indiana Bat ( <i>Myotis sodalis</i> ) Maternity Colonies in Arkansas. <i>Southeastern Naturalist</i> , 2011, 10, 529-532.	0.4	3
31	Effect of the p38 Mitogen-Activated Protein Kinase Signaling Cascade on Radiation Biodosimetry. <i>Radiation Research</i> , 2022, 198, .	1.5	3
32	Biofluid Metabolomics and Lipidomics of Mice Exposed to External Very High-Dose Rate Radiation. <i>Metabolites</i> , 2022, 12, 520.	2.9	3
33	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.	3.3	2
34	Abstract 2506: Untargeted and targeted multiplatform metabolomic and lipidomic approaches for monitoring biological effects in serum from total body irradiated humans. , 2017, , .		0
35	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, , .	1.5	0