

# James J Galligan

## List of Publications by Year in descending order

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34  
papers

1,350  
citations

471509

17  
h-index

377865

34  
g-index

35  
all docs

35  
docs citations

35  
times ranked

2323  
citing authors

#	ARTICLE	IF	CITATIONS
1	The human protein disulfide isomerase gene family. <i>Human Genomics</i> , 2012, 6, 6.	2.9	193
2	From the exposome to mechanistic understanding of chemical-induced adverse effects. <i>Environment International</i> , 2017, 99, 97-106.	10.0	146
3	Methylglyoxal-derived posttranslational arginine modifications are abundant histone marks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9228-9233.	7.1	123
4	Non-enzymatic Lysine Lactoylation of Glycolytic Enzymes. <i>Cell Chemical Biology</i> , 2020, 27, 206-213.e6.	5.2	114
5	4-Hydroxynonenal Inhibits SIRT3 via Thiol-Specific Modification. <i>Chemical Research in Toxicology</i> , 2011, 24, 651-662.	3.3	107
6	Stable Histone Adduction by 4-Oxo-2-nonenal: A Potential Link between Oxidative Stress and Epigenetics. <i>Journal of the American Chemical Society</i> , 2014, 136, 11864-11866.	13.7	103
7	Oxidative Stress and the ER Stress Response in a Murine Model for Early-Stage Alcoholic Liver Disease. <i>Journal of Toxicology</i> , 2012, 2012, 1-12.	3.0	85
8	Protein Carbonylation in a Murine Model for Early Alcoholic Liver Disease. <i>Chemical Research in Toxicology</i> , 2012, 25, 1012-1021.	3.3	65
9	Oxidative stress-mediated aldehyde adduction of GRP78 in a mouse model of alcoholic liver disease: functional independence of ATPase activity and chaperone function. <i>Free Radical Biology and Medicine</i> , 2014, 73, 411-420.	2.9	40
10	Oxidative stress increases M1dG, a major peroxidation-derived DNA adduct, in mitochondrial DNA. <i>Nucleic Acids Research</i> , 2018, 46, 3458-3467.	14.5	32
11	Protein Modification by Endogenously Generated Lipid Electrophiles: Mitochondria as the Source and Target. <i>ACS Chemical Biology</i> , 2017, 12, 2062-2069.	3.4	30
12	Profiling of Methylglyoxal Blood Metabolism and Advanced Glycation End-Product Proteome Using a Chemical Probe. <i>ACS Chemical Biology</i> , 2018, 13, 3294-3305.	3.4	26
13	Lysophospholipases cooperate to mediate lipid homeostasis and lysophospholipid signaling. <i>Journal of Lipid Research</i> , 2019, 60, 360-374.	4.2	25
14	Sirtuin 2 Regulates Protein LactoylLys Modifications. <i>ChemBioChem</i> , 2021, 22, 2102-2106.	2.6	23
15	Accumulation of isolevuglandin-modified protein in normal and fibrotic lung. <i>Scientific Reports</i> , 2016, 6, 24919.	3.3	21
16	Histone Adduction and Its Functional Impact on Epigenetics. <i>Chemical Research in Toxicology</i> , 2017, 30, 376-387.	3.3	20
17	An Azidoribose Probe to Track Ketoamine Adducts in Histone Ribose Glycation. <i>Journal of the American Chemical Society</i> , 2020, 142, 9999-10007.	13.7	19
18	Nuclear Oxidation of a Major Peroxidation DNA Adduct, M1dG, in the Genome. <i>Chemical Research in Toxicology</i> , 2015, 28, 2334-2342.	3.3	18

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19	Covalent Modification of CDK2 by 4-Hydroxynonenal as a Mechanism of Inhibition of Cell Cycle Progression. <i>Chemical Research in Toxicology</i> , 2016, 29, 323-332.	3.3	18
20	Chemical Labeling and Enrichment of Histone Glyoxal Adducts. <i>ACS Chemical Biology</i> , 2022, 17, 756-761.	3.4	18
21	Quantitative Analysis and Discovery of Lysine and Arginine Modifications. <i>Analytical Chemistry</i> , 2017, 89, 1299-1306.	6.5	17
22	Site-Specific, Intramolecular Cross-Linking of Pin1 Active Site Residues by the Lipid Electrophile 4-Oxo-2-nonenal. <i>Chemical Research in Toxicology</i> , 2015, 28, 817-827.	3.3	16
23	Predicting Drug Interactions with Human Equilibrative Nucleoside Transporters 1 and 2 Using Functional Knockout Cell Lines and Bayesian Modeling. <i>Molecular Pharmacology</i> , 2021, 99, 147-162.	2.3	15
24	The sunless tanning agent dihydroxyacetone induces stress response gene expression and signaling in cultured human keratinocytes and reconstructed epidermis. <i>Redox Biology</i> , 2020, 36, 101594.	9.0	12
25	Biochemical genesis of enzymatic and non-enzymatic post-translational modifications. <i>Molecular Aspects of Medicine</i> , 2022, 86, 101053.	6.4	12
26	Impaired anaplerosis is a major contributor to glycolysis inhibitor toxicity in glioma. <i>Cancer &amp; Metabolism</i> , 2021, 9, 27.	5.0	11
27	Aspirin inhibits TGF $\beta$ 2-induced epithelial to mesenchymal transition of lens epithelial cells: selective acetylation of K56 and K122 in histone H3. <i>Biochemical Journal</i> , 2020, 477, 75-97.	3.7	10
28	Biochemical Mechanisms of Sirtuin-Directed Protein Acylation in Hepatic Pathologies of Mitochondrial Dysfunction. <i>Cells</i> , 2022, 11, 2045.	4.1	9
29	Protein Modification by Adenine Propenal. <i>Chemical Research in Toxicology</i> , 2014, 27, 1732-1742.	3.3	8
30	Extensive evaluation of ATAC-seq protocols for native or formaldehyde-fixed nuclei. <i>BMC Genomics</i> , 2022, 23, 214.	2.8	7
31	Testicular disposition of clofarabine in rats is dependent on equilibrative nucleoside transporters. <i>Pharmacology Research and Perspectives</i> , 2021, 9, e00831.	2.4	4
32	Chromatin Modifications in Toxicology. <i>Chemical Research in Toxicology</i> , 2019, 32, 794-795.	3.3	1
33	Trisomy 21 impairs PGE2 production in dermal fibroblasts. <i>Prostaglandins and Other Lipid Mediators</i> , 2021, 153, 106524.	1.9	1
34	<i>CHML</i> is an NRF2 target gene that regulates mTOR function. <i>Molecular Oncology</i> , 2022, 16, 1714-1727.	4.6	1