

Jace W Jones

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

2,591
citations

182225

30
h-index

252626

46
g-index

80
all docs

80
docs citations

80
times ranked

4874
citing authors

#	ARTICLE	IF	CITATIONS
1	Altered RBP1 Gene Expression Impacts Epithelial Cell Retinoic Acid, Proliferation, and Microenvironment. <i>Cells</i> , 2022, 11, 792.	1.8	7
2	Role of cellular retinol-binding protein, type 1 and retinoid homeostasis in the adult mouse heart: A multi-omic approach. <i>FASEB Journal</i> , 2022, 36, e22242.	0.2	3
3	Structural Fingerprinting of siRNA Therapeutics by Solution NMR Spectroscopy. <i>Nucleic Acid Therapeutics</i> , 2022, 32, 267-279.	2.0	2
4	Lithium Hydroxide Hydrolysis Combined with MALDI TOF Mass Spectrometry for Rapid Sphingolipid Detection. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 289-300.	1.2	10
5	Elevated Glucosylsphingosine in Gaucher Disease Induced Pluripotent Stem Cell Neurons Deregulates Lysosomal Compartment through Mammalian Target of Rapamycin Complex 1. <i>Stem Cells Translational Medicine</i> , 2021, 10, 1081-1094.	1.6	19
6	Cardiac retinoic acid levels decline in heart failure. <i>JCI Insight</i> , 2021, 6, .	2.3	19
7	Rapid Detection of Viral Envelope Lipids Using Lithium Adducts and AP-MALDI High-Resolution Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2322-2333.	1.2	4
8	Hydrogen sulfide stimulates lipid biogenesis from glutamine that is dependent on the mitochondrial NAD(P)H pool. <i>Journal of Biological Chemistry</i> , 2021, 297, 100950.	1.6	15
9	Complementary Lipidomic, Proteomic, and Mass Spectrometry Imaging Approach to the Characterization of the Acute Effects of Radiation in the Non-human Primate Mesenteric Lymph Node after Partial-body Irradiation with Minimal Bone Marrow Sparing. <i>Health Physics</i> , 2021, 121, 372-383.	0.3	3
10	Structure-specific, accurate quantitation of plasmalogen glycerophosphoethanolamine. <i>Analytica Chimica Acta</i> , 2021, 1186, 339088.	2.6	8
11	PLA2G4A/cPLA2-mediated lysosomal membrane damage leads to inhibition of autophagy and neurodegeneration after brain trauma. <i>Autophagy</i> , 2020, 16, 466-485.	4.3	95
12	Sphingolipid metabolism as a marker of hepatotoxicity in drug-induced liver injury. <i>Prostaglandins and Other Lipid Mediators</i> , 2020, 151, 106484.	1.0	13
13	High concentrations of urinary ethanol metabolites in neonatal intensive care unit infants. <i>Pediatric Research</i> , 2020, 88, 865-870.	1.1	5
14	Quantification of common and planar bile acids in tissues and cultured cells. <i>Journal of Lipid Research</i> , 2020, 61, 1524-1535.	2.0	8
15	Early evolutionary loss of the lipid A modifying enzyme PagP resulting in innate immune evasion in <i>Yersinia pestis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 22984-22991.	3.3	22
16	Retinoic Acid Improves the Recovery of Replication-Competent Virus from Latent SIV Infected Cells. <i>Cells</i> , 2020, 9, 2076.	1.8	5
17	Alternatively Activated Macrophages Are the Primary Retinoic Acid-Producing Cells in Human Decidua. <i>Reproductive Sciences</i> , 2020, 27, 334-341.	1.1	8
18	Development and bioanalytical method validation of an LC-MS/MS assay for simultaneous quantitation of 2-alkyl-4(1H)-quinolones for application in bacterial cell culture and lung tissue. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1521-1534.	1.9	10

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19	Two functionally redundant sources of retinoic acid secure spermatogonia differentiation in the seminiferous epithelium. <i>Development (Cambridge)</i> , 2019, 146, .	1.2	29
20	cPLA2 activation contributes to lysosomal defects leading to impairment of autophagy after spinal cord injury. <i>Cell Death and Disease</i> , 2019, 10, 531.	2.7	35
21	Noncoding dsRNA induces retinoic acid synthesis to stimulate hair follicle regeneration via TLR3. <i>Nature Communications</i> , 2019, 10, 2811.	5.8	64
22	Fast liquid chromatography-tandem mass spectrometry method for simultaneous determination of eight antiepileptic drugs and an active metabolite in human plasma using polarity switching and timed selected reaction monitoring. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 176, 112816.	1.4	14
23	Retinoic Acid Is a Negative Regulator of sFLT1 Expression in Decidual Stromal Cells, and Its Levels Are Reduced in Preeclamptic Decidua. <i>Hypertension</i> , 2019, 73, 1104-1111.	1.3	14
24	Detection and Structural Characterization of Ether Glycerophosphoethanolamine from Cortical Lysosomes Following Traumatic Brain Injury Using UPLC-MS/MS. <i>Proteomics</i> , 2019, 19, e1800297.	1.3	9
25	Radiation Nephropathy in a Nonhuman Primate Model of Partial-body Irradiation with Minimal Bone Marrow Sparing—Part 1: Acute and Chronic Kidney Injury and the Influence of Neupogen. <i>Health Physics</i> , 2019, 116, 401-408.	0.3	30
26	Proteomic Evaluation of the Acute Radiation Syndrome of the Gastrointestinal Tract in a Murine Total-body Irradiation Model. <i>Health Physics</i> , 2019, 116, 516-528.	0.3	23
27	Characterizing the Natural History of Acute Radiation Syndrome of the Gastrointestinal Tract: Combining High Mass and Spatial Resolution Using MALDI-FTICR-MSI. <i>Health Physics</i> , 2019, 116, 454-472.	0.3	16
28	Targeted Metabolomics Reveals Metabolomic Signatures Correlating Gastrointestinal Tissue to Plasma in a Mouse Total-body Irradiation Model. <i>Health Physics</i> , 2019, 116, 473-483.	0.3	18
29	Acute Proteomic Changes in the Lung After WTLI in a Mouse Model: Identification of Potential Initiating Events for Delayed Effects of Acute Radiation Exposure. <i>Health Physics</i> , 2019, 116, 503-515.	0.3	23
30	Effect of Sex on Biomarker Response in a Mouse Model of the Hematopoietic Acute Radiation Syndrome. <i>Health Physics</i> , 2019, 116, 484-502.	0.3	34
31	The ancestral retinoic acid receptor was a low-affinity sensor triggering neuronal differentiation. <i>Science Advances</i> , 2018, 4, eaao1261.	4.7	37
32	Effect of Ibuprofen on Skeletal Muscle of Dysferlin-Null Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 364, 409-419.	1.3	3
33	PAMDB: a comprehensive <i>Pseudomonas aeruginosa</i> metabolome database. <i>Nucleic Acids Research</i> , 2018, 46, D575-D580.	6.5	45
34	Prenatal alcohol exposure prevalence as measured by direct ethanol metabolites in meconium in a Native American tribe of the southwest. <i>Birth Defects Research</i> , 2018, 111, 53-61.	0.8	9
35	Retinoic acid signaling promotes the cytoskeletal rearrangement of embryonic epicardial cells. <i>FASEB Journal</i> , 2018, 32, 3765-3781.	0.2	28
36	Molecular Basis of Metabolism-Mediated Conversion of PK11195 from an Antagonist to an Agonist of the Constitutive Androstane Receptor. <i>Molecular Pharmacology</i> , 2017, 92, 75-87.	1.0	12

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37	The <i>Pseudomonas aeruginosa</i> PrrF Small RNAs Regulate Iron Homeostasis during Acute Murine Lung Infection. <i>Infection and Immunity</i> , 2017, 85, .	1.0	44
38	Targeted Metabolomics Identifies Pharmacodynamic Biomarkers for BIO 300 Mitigation of Radiation-Induced Lung Injury. <i>Pharmaceutical Research</i> , 2017, 34, 2698-2709.	1.7	25
39	Lipidomic dysregulation within the lung parenchyma following whole-thorax lung irradiation: Markers of injury, inflammation and fibrosis detected by MALDI-MSI. <i>Scientific Reports</i> , 2017, 7, 10343.	1.6	25
40	Ultrapformance convergence chromatography–high resolution tandem mass spectrometry for lipid biomarker profiling and identification. <i>Biomedical Chromatography</i> , 2017, 31, e3822.	0.8	24
41	Cystic Fibrosis Isolates of <i>Pseudomonas aeruginosa</i> Retain Iron-Regulated Antimicrobial Activity against <i>Staphylococcus aureus</i> through the Action of Multiple Alkylquinolones. <i>Frontiers in Microbiology</i> , 2016, 7, 1171.	1.5	29
42	Inflation-Fixation Method for Lipidomic Mapping of Lung Biopsies by Matrix Assisted Laser Desorption/Ionization–Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2016, 88, 4788-4794.	3.2	40
43	Sustained virologic control in SIV ⁺ macaques after antiretroviral and $\hat{\pm}$ ₄ $\hat{\pm}$ ₇ antibody therapy. <i>Science</i> , 2016, 354, 197-202.	6.0	194
44	Col1a1+ perivascular cells in the brain are a source of retinoic acid following stroke. <i>BMC Neuroscience</i> , 2016, 17, 49.	0.8	57
45	Polydimethylsiloxane (PDMS) modulates CD38 expression, absorbs retinoic acid and may perturb retinoid signalling. <i>Lab on A Chip</i> , 2016, 16, 1473-1483.	3.1	15
46	Blocking the PAH2 domain of Sin3A inhibits tumorigenesis and confers retinoid sensitivity in triple negative breast cancer. <i>Oncotarget</i> , 2016, 7, 43689-43702.	0.8	10
47	Generic lamotrigine versus brand–name <i>Lamictal</i> bioequivalence in patients with epilepsy: A field test of the FDA bioequivalence standard. <i>Epilepsia</i> , 2015, 56, 1415-1424.	2.6	68
48	Electron–induced dissociation (EID) for structure characterization of glycerophosphatidylcholine: determination of double–bond positions and localization of acyl chains. <i>Journal of Mass Spectrometry</i> , 2015, 50, 1327-1339.	0.7	45
49	Citrulline as a Biomarker in the Murine Total-Body Irradiation Model. <i>Health Physics</i> , 2015, 109, 452-465.	0.3	38
50	Citrulline as a Biomarker in the Non-human Primate Total- and Partial-body Irradiation Models. <i>Health Physics</i> , 2015, 109, 440-451.	0.3	46
51	A MALDI-MSI Approach to the Characterization of Radiation-Induced Lung Injury and Medical Countermeasure Development. <i>Health Physics</i> , 2015, 109, 466-478.	0.3	20
52	Site-specific activity of the acyltransferases HtrB1 and HtrB2 in <i>Pseudomonas aeruginosa</i> lipid A biosynthesis. <i>Pathogens and Disease</i> , 2015, 73, ftv053.	0.8	27
53	<i>Bordetella parapertussis</i> PagP Mediates the Addition of Two Palmitates to the Lipopolysaccharide Lipid A. <i>Journal of Bacteriology</i> , 2015, 197, 572-580.	1.0	8
54	Use of Fast HPLC Multiple Reaction Monitoring Cubed for Endogenous Retinoic Acid Quantification in Complex Matrices. <i>Analytical Chemistry</i> , 2015, 87, 3222-3230.	3.2	57

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55	Iron Depletion Enhances Production of Antimicrobials by <i>Pseudomonas aeruginosa</i> . <i>Journal of Bacteriology</i> , 2015, 197, 2265-2275.	1.0	70
56	Quantification of Lamotrigine in Patient Plasma Using a Fast Liquid Chromatography-Tandem Mass Spectrometry Method With Backflush Technology. <i>Therapeutic Drug Monitoring</i> , 2015, 37, 188-197.	1.0	8
57	Surgical Management of Caseous Calcification of the Mitral Annulus. <i>Annals of Thoracic Surgery</i> , 2015, 99, 2231-2233.	0.7	12
58	All-Trans Retinoic Acid Activity in Acute Myeloid Leukemia: Role of Cytochrome P450 Enzyme Expression by the Microenvironment. <i>PLoS ONE</i> , 2015, 10, e0127790.	1.1	54
59	Human bone marrow niche chemoprotection mediated by cytochrome p450 enzymes. <i>Oncotarget</i> , 2015, 6, 14905-14912.	0.8	44
60	A Mollusk Retinoic Acid Receptor (RAR) Ortholog Sheds Light on the Evolution of Ligand Binding. <i>Endocrinology</i> , 2014, 155, 4275-4286.	1.4	43
61	Retinoic Acid Biosynthesis Is Impaired in Human and Murine Endometriosis ¹ . <i>Biology of Reproduction</i> , 2014, 91, 84.	1.2	38
62	Development of Linear Free Energy Relationships for Aqueous Phase Radical-Involved Chemical Reactions. <i>Environmental Science & Technology</i> , 2014, 48, 13925-13932.	4.6	41
63	Choline Partially Prevents the Impact of Ethanol on the Lipid Raft Dependent Functions of L1 Cell Adhesion Molecule. <i>Alcoholism: Clinical and Experimental Research</i> , 2014, 38, 2722-2730.	1.4	14
64	Development and validation of a LC-MS/MS assay for quantitation of plasma citrulline for application to animal models of the acute radiation syndrome across multiple species. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 4663-4675.	1.9	34
65	Mass Spectrometry Imaging Enriches Biomarker Discovery Approaches with Candidate Mapping. <i>Health Physics</i> , 2014, 106, 120-128.	0.3	20
66	Identification and Quantitation of Biomarkers for Radiation-induced Injury via Mass Spectrometry. <i>Health Physics</i> , 2014, 106, 106-119.	0.3	43
67	Synthesis, Modeling, and Pharmacological Evaluation of UMB 425, a Mixed $\frac{1}{4}$ Agonist/ $\frac{3}{4}$ Antagonist Opioid Analgesic with Reduced Tolerance Liabilities. <i>ACS Chemical Neuroscience</i> , 2013, 4, 1256-1266.	1.7	42
68	Unique Structural Modifications Are Present in the Lipopolysaccharide from Colistin-Resistant Strains of <i>Acinetobacter baumannii</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 4831-4840.	1.4	159
69	Disruption of Myc-Max Heterodimerization with Improved Cell-Penetrating Analogs of the Small Molecule 10074-G5. <i>Oncotarget</i> , 2013, 4, 936-949.	0.8	45
70	Automated Lipid A Structure Assignment from Hierarchical Tandem Mass Spectrometry Data. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 856-866.	1.2	26
71	Role of pagL and lpxO in <i>Bordetella bronchiseptica</i> Lipid A Biosynthesis. <i>Journal of Bacteriology</i> , 2011, 193, 4726-4735.	1.0	36
72	Comprehensive structure characterization of lipid a extracted from <i>Yersinia pestis</i> for determination of its phosphorylation configuration. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 785-799.	1.2	34

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73	Transition metals as electron traps. I. Structures, energetics, electron capture, and electron-transfer-induced dissociations of ternary copper-peptide complexes in the gas phase. <i>Journal of Mass Spectrometry</i> , 2009, 44, 707-724.	0.7	26
74	Human Toll-like receptor 4 responses to <i>P. gingivalis</i> are regulated by lipid A 1- and 4-phosphatase activities. <i>Cellular Microbiology</i> , 2009, 11, 1587-1599.	1.1	149
75	Hidden Histidine Radical Rearrangements upon Electron Transfer to Gas-Phase Peptide Ions. Experimental Evidence and Theoretical Analysis. <i>Journal of the American Chemical Society</i> , 2008, 130, 14584-14596.	6.6	64
76	Determination of pyrophosphorylated forms of lipid A in Gram-negative bacteria using a multivariate mass spectrometric approach. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12742-12747.	3.3	57
77	Electron capture in spin-trap capped peptides. An experimental example of ergodic dissociation in peptide cation-radicals. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 432-444.	1.2	37
78	Radiation Chemistry of Methyltert-Butyl Ether in Aqueous Solution. <i>Environmental Science & Technology</i> , 2004, 38, 3994-4001.	4.6	21