

# Joel G Pounds

## List of Publications by Year in descending order

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Version: 2024-02-01

69  
papers

6,273  
citations

136950

32  
h-index

114465

63  
g-index

70  
all docs

70  
docs citations

70  
times ranked

9095  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of susceptibility to lung bacterial infection by engineered nanomaterials: In vitro and in vivo correspondence based on macrophage phagocytic function. <i>NanoImpact</i> , 2019, 14, 100155.	4.5	5
2	High-Fat Diets Alter the Modulatory Effects of Xenobiotics on Cytochrome P450 Activities. <i>Chemical Research in Toxicology</i> , 2018, 31, 308-318.	3.3	28
3	Review, Evaluation, and Discussion of the Challenges of Missing Value Imputation for Mass Spectrometry-Based Label-Free Global Proteomics. <i>Journal of Proteome Research</i> , 2015, 14, 1993-2001.	3.7	217
4	Bayesian Proteoform Modeling Improves Protein Quantification of Global Proteomic Measurements. <i>Molecular and Cellular Proteomics</i> , 2014, , .	3.8	3
5	Bayesian Proteoform Modeling Improves Protein Quantification of Global Proteomic Measurements. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 3639-3646.	3.8	38
6	Comparative iron oxide nanoparticle cellular dosimetry and response in mice by the inhalation and liquid cell culture exposure routes. <i>Particle and Fibre Toxicology</i> , 2014, 11, 46.	6.2	49
7	A halotyrosine antibody that detects increased protein modifications in asthma patients. <i>Journal of Immunological Methods</i> , 2014, 403, 17-25.	1.4	13
8	Diet-induced obesity reprograms the inflammatory response of the murine lung to inhaled endotoxin. <i>Toxicology and Applied Pharmacology</i> , 2013, 267, 137-148.	2.8	18
9	A comparative analysis of computational approaches to relative protein quantification using peptide peak intensities in label-free LC-MS proteomics experiments. <i>Proteomics</i> , 2013, 13, 493-503.	2.2	74
10	Impaired Transcriptional Response of the Murine Heart to Cigarette Smoke in the Setting of High Fat Diet and Obesity. <i>Chemical Research in Toxicology</i> , 2013, 26, 1034-1042.	3.3	11
11	Dysregulation of Macrophage Activation Profiles by Engineered Nanoparticles. <i>ACS Nano</i> , 2013, 7, 6997-7010.	14.6	135
12	Sequential projection pursuit principal component analysis “ dealing with missing data associated with new -omics technologies. <i>BioTechniques</i> , 2013, 54, 165-168.	1.8	13
13	A Semiautomated Framework for Integrating Expert Knowledge into Disease Marker Identification. <i>Disease Markers</i> , 2013, 35, 513-523.	1.3	3
14	Aerosolized ZnO Nanoparticles Induce Toxicity in Alveolar Type II Epithelial Cells at the Air-Liquid Interface. <i>Toxicological Sciences</i> , 2012, 125, 450-461.	3.1	58
15	Proteomic Analysis of Bronchoalveolar Lavage Fluid Proteins from Mice Infected with <i>Francisella tularensis</i> ssp. <i>novicida</i> . <i>Journal of Proteome Research</i> , 2012, 11, 3690-3703.	3.7	9
16	Electrochemical immunoassay of cotinine in serum based on nanoparticle probe and immunochromatographic strip. <i>Analytica Chimica Acta</i> , 2012, 713, 50-55.	5.4	39
17	Quantitative proteomics analysis of adsorbed plasma proteins classifies nanoparticles with different surface properties and size. <i>Proteomics</i> , 2011, 11, 4569-4577.	2.2	135
18	A statistical selection strategy for normalization procedures in LC-MS proteomics experiments through dataset-dependent ranking of normalization scaling factors. <i>Proteomics</i> , 2011, 11, 4736-4741.	2.2	82

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19	Comparative Proteomics and Pulmonary Toxicity of Instilled Single-Walled Carbon Nanotubes, Crocidolite Asbestos, and Ultrafine Carbon Black in Mice. <i>Toxicological Sciences</i> , 2011, 120, 123-135.	3.1	103
20	Testing in EHS: What is the current status of experimentation?. , 2011, , 18-19.		0
21	Smoking, COPD, and 3-Nitrotyrosine Levels of Plasma Proteins. <i>Environmental Health Perspectives</i> , 2011, 119, 1314-1320.	6.0	33
22	Improved quality control processing of peptide-centric LC-MS proteomics data. <i>Bioinformatics</i> , 2011, 27, 2866-2872.	4.1	88
23	Proteomic biomarkers in plasma that differentiate rapid and slow decline in lung function in adult cigarette smokers with chronic obstructive pulmonary disease (COPD). <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1809-1819.	3.7	19
24	ISDD: A computational model of particle sedimentation, diffusion and target cell dosimetry for in vitro toxicity studies. <i>Particle and Fibre Toxicology</i> , 2010, 7, 36.	6.2	397
25	Endogenous 3,4-Dihydroxyphenylalanine and Dopaquinone Modifications on Protein Tyrosine. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 1199-1208.	3.8	23
26	Rapid and Sensitive Detection of Protein Biomarker Using a Portable Fluorescence Biosensor Based on Quantum Dots and a Lateral Flow Test Strip. <i>Analytical Chemistry</i> , 2010, 82, 7008-7014.	6.5	383
27	Combined Statistical Analyses of Peptide Intensities and Peptide Occurrences Improves Identification of Significant Peptides from MS-Based Proteomics Data. <i>Journal of Proteome Research</i> , 2010, 9, 5748-5756.	3.7	93
28	Sensitive immunoassays of nitrated fibrinogen in human biofluids. <i>Talanta</i> , 2010, 81, 1662-1669.	5.5	11
29	<sup>1</sup> H Nuclear Magnetic Resonance Metabolomics Analysis Identifies Novel Urinary Biomarkers for Lung Function. <i>Journal of Proteome Research</i> , 2010, 9, 3083-3090.	3.7	60
30	Syndecan-1 mediates the coupling of positively charged submicrometer amorphous silica particles with actin filaments across the alveolar epithelial cell membrane. <i>Toxicology and Applied Pharmacology</i> , 2009, 236, 210-220.	2.8	29
31	Macrophage Responses to Silica Nanoparticles are Highly Conserved Across Particle Sizes. <i>Toxicological Sciences</i> , 2009, 107, 553-569.	3.1	207
32	A Bayesian integration model of high-throughput proteomics and metabolomics data for improved early detection of microbial infections. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 2009, , 451-63.	0.7	10
33	Characterization of the mouse bronchoalveolar lavage proteome by micro-capillary LC-FTICR mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 864, 95-101.	2.3	14
34	Particokinetics In Vitro: Dosimetry Considerations for In Vitro Nanoparticle Toxicity Assessments. <i>Toxicological Sciences</i> , 2007, 95, 300-312.	3.1	668
35	Submicrometer and Nanoscale Inorganic Particles Exploit the Actin Machinery To Be Propelled along Microvilli-like Structures into Alveolar Cells. <i>ACS Nano</i> , 2007, 1, 463-475.	14.6	42
36	Data merging for integrated microarray and proteomic analysis. <i>Briefings in Functional Genomics &amp; Proteomics</i> , 2006, 5, 261-272.	3.8	95

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37	Overview of the HUPO Plasma Proteome Project: Results from the pilot phase with 35 collaborating laboratories and multiple analytical groups, generating a core dataset of 3020 proteins and a publicly-available database. , 2006, , 1-35.		4
38	Testing for Additivity at Select Mixture Groups of Interest Based on Statistical Equivalence Testing Methods. Risk Analysis, 2006, 26, 1601-1612.	2.7	6
39	Whole-Body Lifetime Occupational Lead Exposure and Risk of Parkinson's Disease. Environmental Health Perspectives, 2006, 114, 1872-1876.	6.0	143
40	A Study of spectral integration and normalization in NMR-based metabonomic analyses. Journal of Pharmaceutical and Biomedical Analysis, 2005, 39, 830-836.	2.8	41
41	A proteomic study of the HUPO Plasma Proteome Project's pilot samples using an accurate mass and time tag strategy. Proteomics, 2005, 5, 3454-3466.	2.2	60
42	Overview of the HUPO Plasma Proteome Project: Results from the pilot phase with 35 collaborating laboratories and multiple analytical groups, generating a core dataset of 3020 proteins and a publicly-available database. Proteomics, 2005, 5, 3226-3245.	2.2	766
43	The Human Plasma Proteome. Molecular and Cellular Proteomics, 2004, 3, 311-326.	3.8	801
44	Interactive toxicity of simple chemical mixtures of cadmium, mercury, methylmercury and trimethyltin: model-dependent responses. Environmental Toxicology and Pharmacology, 2004, 18, 101-113.	4.0	13
45	Proteomic Characterization of Nipple Aspirate Fluid: Identification of Potential Biomarkers of Breast Cancer. Breast Cancer Research and Treatment, 2003, 80, 87-97.	2.5	111
46	Methodologies to examine the importance of host factors in bioavailability of metals. Ecotoxicology and Environmental Safety, 2003, 56, 20-31.	6.0	39
47	Protein Kinase C Does Not Mediate the Inhibitory Action of Lead on Vitamin D3-Dependent Production of Osteocalcin in Osteoblastic Bone Cells. Toxicology and Applied Pharmacology, 2002, 178, 109-116.	2.8	4
48	Arsenite Disrupts Mitosis and Induces Apoptosis in SV40-Transformed Human Skin Fibroblasts. Toxicology and Applied Pharmacology, 2002, 180, 83-91.	2.8	50
49	Toward a Human Blood Serum Proteome. Molecular and Cellular Proteomics, 2002, 1, 947-955.	3.8	705
50	Lead inhibits meso-2,3-dimercaptosuccinic acid induced calcium transients in cultured rhesus monkey kidney cells. Toxicology, 1999, 134, 19-26.	4.2	10
51	meso-2,3-Dimercaptosuccinic acid induces calcium transients in cultured rhesus monkey kidney cells. Toxicology, 1999, 138, 81-91.	4.2	4
52	Severe Chronic Lead Insult That Maintains Body Burdens of Lead Related to Those in the Skeleton Observations by Dr. Clair Patterson Conclusively Demonstrated. Environmental Research, 1998, 78, 140-151.	7.5	9
53	Lead intoxication alters basal and parathyroid hormone-regulated cellular calcium homeostasis in rat osteosarcoma (ROS 17/2.8) cells. Calcified Tissue International, 1992, 50, 451-458.	3.1	18
54	Cellular lead toxicity and metabolism in primary and clonal osteoblastic bone cells. Toxicology and Applied Pharmacology, 1990, 102, 346-361.	2.8	39

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55	Lead impairs the production of osteocalcin by rat osteosarcoma (ROS 172.8) cells. Toxicology and Applied Pharmacology, 1990, 106, 270-277.	2.8	30
56	Cocaine toxicity in cultured rat hepatocytes. Toxicology Letters, 1990, 50, 283-288.	0.8	17
57	Quantitative interactions between Pb <sup>2+</sup> and Ca <sup>2+</sup> homeostasis in cultured osteoclastic bone cells. Toxicology and Applied Pharmacology, 1989, 98, 530-543.	2.8	30
58	Cellular Ca <sup>2+</sup> homeostasis and Ca <sup>2+</sup> -mediated cell processes as critical targets for toxicant action: Conceptual and methodological pitfalls. Toxicology and Applied Pharmacology, 1988, 94, 331-341.	2.8	43
59	The Cellular Metabolism of Lead and Calcium: A Kinetic Analysis in Cultured Osteoclastic Bone Cells. Contributions To Nephrology, 1988, 64, 74-82.	1.1	4
60	Preface. Biological Trace Element Research, 1987, 13, n5-n5.	3.5	0
61	Preface. Biological Trace Element Research, 1987, 12, iii-iii.	3.5	0
62	Potentialiation of dimethylnitrosamine genotoxicity in rat hepatocytes isolated following ethanol treatment in vivo. Chemico-Biological Interactions, 1984, 50, 313-326.	4.0	15
63	Subcellular distribution of lead in cultured rat hepatocytes. Environmental Research, 1984, 35, 188-196.	7.5	7
64	A method for rapid, sensitive quantitation of short-patch DNA repair in cultured rat hepatocytes. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1983, 119, 381-386.	1.1	11
65	Potentialiation of Chlorinated Hydrocarbon Toxicity by 2,5-Hexanedione in Primary Cultures of Adult Rat Hepatocytes. Toxicological Sciences, 1983, 3, 22-26.	3.1	0
66	Cellular metabolism of lead: A kinetic analysis in the isolated rat hepatocyte. Toxicology and Applied Pharmacology, 1982, 66, 88-101.	2.8	39
67	Absorption and disposition of <sup>203</sup> Hg in the pregnant and nonpregnant hamster following oral administration of [ <sup>203</sup> Hg]methylmercuric chloride. Environmental Research, 1981, 24, 131-139.	7.5	9
68	Prenatal and Neonatal Toxicology and Pathology of Heavy Metals. Advances in Pharmacology, 1980, 17, 195-231.	2.0	40
69	A proteomic study of the HUPO Plasma Proteome Project's pilot samples using an accurate mass and time tag strategy. , 0, , 249-271.		0