Joel G Pounds

List of Publications by Year
in descending order

69	6,273	136950 32	114465 63
papers	citations	h-index	g-index

70	70	70	9095
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Human Plasma Proteome. Molecular and Cellular Proteomics, 2004, 3, 311-326.	3.8	801
2	Overview of the HUPO Plasma Proteome Project: Results from the pilot phase with 35â€‰collaborating laboratories and multiple analytical groups, generating a core dataset of 3020â€‰proteins and a publiclyâ€available database. Proteomics, 2005, 5, 3226-3245.	2.2	766
3	Toward a Human Blood Serum Proteome. Molecular and Cellular Proteomics, 2002, 1, 947-955.	3.8	705
4	Particokinetics In Vitro: Dosimetry Considerations for In Vitro Nanoparticle Toxicity Assessments. Toxicological Sciences, 2007, 95, 300-312.	3.1	668
5	ISDD: A computational model of particle sedimentation, diffusion and target cell dosimetry for in vitro toxicity studies. Particle and Fibre Toxicology, 2010, 7, 36.	6.2	397
6	Rapid and Sensitive Detection of Protein Biomarker Using a Portable Fluorescence Biosensor Based on Quantum Dots and a Lateral Flow Test Strip. Analytical Chemistry, 2010, 82, 7008-7014.	6.5	383
7	Review, Evaluation, and Discussion of the Challenges of Missing Value Imputation for Mass Spectrometry-Based Label-Free Global Proteomics. Journal of Proteome Research, 2015, 14, 1993-2001.	3.7	217
8	Macrophage Responses to Silica Nanoparticles are Highly Conserved Across Particle Sizes. Toxicological Sciences, 2009, 107, 553-569.	3.1	207
9	Whole-Body Lifetime Occupational Lead Exposure and Risk of Parkinsonâ€™s Disease. Environmental Health Perspectives, 2006, 114, 1872-1876.	6.0	143
10	Quantitative proteomics analysis of adsorbed plasma proteins classifies nanoparticles with different surface properties and size. Proteomics, 2011, 11, 4569-4577.	2.2	135
11	Dysregulation of Macrophage Activation Profiles by Engineered Nanoparticles. ACS Nano, 2013, 7, 6997-7010.	14.6	135
12	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
13	Comparative Proteomics and Pulmonary Toxicity of Instilled Single-Walled Carbon Nanotubes, Crocidolite Asbestos, and Ultrafine Carbon Black in Mice. Toxicological Sciences, 2011, 120, 123-135.	3.1	103
14	Data merging for integrated microarray and proteomic analysis. Briefings in Functional Genomics & Proteomics, 2006, 5, 261-272.	3.8	95
15	Combined Statistical Analyses of Peptide Intensities and Peptide Occurrences Improves Identification of Significant Peptides from MS-Based Proteomics Data. Journal of Proteome Research, 2010, 9, 5748-5756.	3.7	93
16	Improved quality control processing of peptide-centric LC-MS proteomics data. Bioinformatics, 2011, 27, 2866-2872.	4.1	88
17	A statistical selection strategy for normalization procedures in LCâ€MS proteomics experiments through datasetâ€dependent ranking of normalization scaling factors. Proteomics, 2011, 11, 4736-4741.	2.2	82
18	A comparative analysis of computational approaches to relative protein quantification using peptide peak intensities in labelâ€free <scp>LC</scp>â€<scp>MS</scp> proteomics experiments. Proteomics, 2013, 13, 493-503.	2.2	74

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19	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
20	1H Nuclear Magnetic Resonance Metabolomics Analysis Identifies Novel Urinary Biomarkers for Lung Function. Journal of Proteome Research, 2010, 9, 3083-3090.	3.7	60
21	Aerosolized ZnO Nanoparticles Induce Toxicity in Alveolar Type II Epithelial Cells at the Air-Liquid Interface. Toxicological Sciences, 2012, 125, 450-461.	3.1	58
22	Arsenite Disrupts Mitosis and Induces Apoptosis in SV40-Transformed Human Skin Fibroblasts. Toxicology and Applied Pharmacology, 2002, 180, 83-91.	2.8	50
23	Comparative iron oxide nanoparticle cellular dosimetry and response in mice by the inhalation and liquid cell culture exposure routes. Particle and Fibre Toxicology, 2014, 11, 46.	6.2	49
24	Cellular Ca2+ homeostasis and Ca2+-mediated cell processes as critical targets for toxicant action: Conceptual and methodological pitfalls. Toxicology and Applied Pharmacology, 1988, 94, 331-341.	2.8	43
25	Submicrometer and Nanoscale Inorganic Particles Exploit the Actin Machinery To Be Propelled along Microvilli-like Structures into Alveolar Cells. ACS Nano, 2007, 1, 463-475.	14.6	42
26	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
27	Prenatal and Neonatal Toxicology and Pathology of Heavy Metals. Advances in Pharmacology, 1980, 17, 195-231.	2.0	40
28	Cellular metabolism of lead: A kinetic analysis in the isolated rat hepatocyte. Toxicology and Applied Pharmacology, 1982, 66, 88-101.	2.8	39
29	Cellular lead toxicity and metabolism in primary and clonal osteoblastic bone cells. Toxicology and Applied Pharmacology, 1990, 102, 346-361.	2.8	39
30	Methodologies to examine the importance of host factors in bioavailability of metals. Ecotoxicology and Environmental Safety, 2003, 56, 20-31.	6.0	39
31	Electrochemical immunoassay of cotinine in serum based on nanoparticle probe and immunochromatographic strip. Analytica Chimica Acta, 2012, 713, 50-55.	5.4	39
32	Bayesian Proteoform Modeling Improves Protein Quantification of Global Proteomic Measurements. Molecular and Cellular Proteomics, 2014, 13, 3639-3646.	3.8	38
33	Smoking, COPD, and 3-Nitrotyrosine Levels of Plasma Proteins. Environmental Health Perspectives, 2011, 119, 1314-1320.	6.0	33
34	Quantitative interactions between Pb2+ and Ca2+ homeostasis in cultured osteoclastic bone cells. Toxicology and Applied Pharmacology, 1989, 98, 530-543.	2.8	30
35	Lead impairs the production of osteocalcin by rat osteosarcoma (ROS 172.8) cells. Toxicology and Applied Pharmacology, 1990, 106, 270-277.	2.8	30
36	Syndecan-1 mediates the coupling of positively charged submicrometer amorphous silica particles with actin filaments across the alveolar epithelial cell membrane. Toxicology and Applied Pharmacology, 2009, 236, 210-220.	2.8	29

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37	High-Fat Diets Alter the Modulatory Effects of Xenobiotics on Cytochrome P450 Activities. Chemical Research in Toxicology, 2018, 31, 308-318.	3.3	28
38	Endogenous 3,4-Dihydroxyphenylalanine and Dopaquinone Modifications on Protein Tyrosine. Molecular and Cellular Proteomics, 2010, 9, 1199-1208.	3.8	23
39	Proteomic biomarkers in plasma that differentiate rapid and slow decline in lung function in adult cigarette smokers with chronic obstructive pulmonary disease (COPD). Analytical and Bioanalytical Chemistry, 2010, 397, 1809-1819.	3.7	19
40	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
41	Diet-induced obesity reprograms the inflammatory response of the murine lung to inhaled endotoxin. Toxicology and Applied Pharmacology, 2013, 267, 137-148.	2.8	18
42	Cocaine toxicity in cultured rat hepatocytes. Toxicology Letters, 1990, 50, 283-288.	0.8	17
43	Potentiation of dimethylnitrosamine genotoxicity in rat hepatocytes isolated following ethanol treatment in vivo. Chemico-Biological Interactions, 1984, 50, 313-326.	4.0	15
44	Characterization of the mouse bronchoalveolar lavage proteome by micro-capillary LCâ€“FTICR mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 864, 95-101.	2.3	14
45	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
46	Sequential projection pursuit principal component analysis â€“ dealing with missing data associated with new -omics technologies. BioTechniques, 2013, 54, 165-168.	1.8	13
47	A halotyrosine antibody that detects increased protein modifications in asthma patients. Journal of Immunological Methods, 2014, 403, 17-25.	1.4	13
48	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
49	Sensitive immunoassays of nitrated fibrinogen in human biofluids. Talanta, 2010, 81, 1662-1669.	5.5	11
50	Impaired Transcriptional Response of the Murine Heart to Cigarette Smoke in the Setting of High Fat Diet and Obesity. Chemical Research in Toxicology, 2013, 26, 1034-1042.	3.3	11
51	Lead inhibits meso-2,3-dimercaptosuccinic acid induced calcium transients in cultured rhesus monkey kidney cells. Toxicology, 1999, 134, 19-26.	4.2	10
52	A Bayesian integration model of high-throughput proteomics and metabolomics data for improved early detection of microbial infections. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2009, , 451-63.	0.7	10
53	Absorption and disposition of 203Hg in the pregnant and nonpregnant hamster following oral administration of [203Hg]methylmercuric chloride. Environmental Research, 1981, 24, 131-139.	7.5	9
54	â€œSevere Chronic Lead Insult That Maintains Body Burdens of Lead Related to Those in the Skeletonâ€: Observations by Dr. Clair Patterson Conclusively Demonstrated. Environmental Research, 1998, 78, 140-151.	7.5	9

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55	Proteomic Analysis of Bronchoalveolar Lavage Fluid Proteins from Mice Infected with Francisella tularensis ssp. novicida. Journal of Proteome Research, 2012, 11, 3690-3703.	3.7	9
56	Subcellular distribution of lead in cultured rat hepatocytes. Environmental Research, 1984, 35, 188-196.	7.5	7
57	Testing for Additivity at Select Mixture Groups of Interest Based on Statistical Equivalence Testing Methods. Risk Analysis, 2006, 26, 1601-1612.	2.7	6
58	Modulation of susceptibility to lung bacterial infection by engineered nanomaterials: In vitro and in vivo correspondence based on macrophage phagocytic function. NanoImpact, 2019, 14, 100155.	4.5	5
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	meso-2,3-Dimercaptosuccinic acid induces calcium transients in cultured rhesus monkey kidney cells. Toxicology, 1999, 138, 81-91.	4.2	4
61	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
62	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
63	A Semiautomated Framework for Integrating Expert Knowledge into Disease Marker Identification. Disease Markers, 2013, 35, 513-523.	1.3	3
64	Bayesian Proteoform Modeling Improves Protein Quantification of Global Proteomic Measurements. Molecular and Cellular Proteomics, 2014, , .	3.8	3
65	Potentiation 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	Preface. Biological Trace Element Research, 1987, 13, n5-n5.	3.5	0
67	Preface. Biological Trace Element Research, 1987, 12, iii-iii.	3.5	0
68	Testing in EHS: What is the current status of experimentation?. , 2011, , 18-19.		0
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