

Jordan Ned Smith

List of Publications by Year in descending order

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47
papers

1,341
citations

394421

19
h-index

345221

36
g-index

47
all docs

47
docs citations

47
times ranked

2049
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Dot-Based Immunochromatographic Fluorescent Biosensor for Biomonitoring Trichloropyridinol, a Biomarker of Exposure to Chlorpyrifos. <i>Analytical Chemistry</i> , 2010, 82, 5125-5133.	6.5	178
2	Dual-Readout Immunochromatographic Assay by Utilizing MnO ₂ Nanoflowers as the Unique Colorimetric/Chemiluminescent Probe. <i>Analytical Chemistry</i> , 2018, 90, 5147-5152.	6.5	97
3	Hepatic Cytochrome P450 Activity, Abundance, and Expression Throughout Human Development. <i>Drug Metabolism and Disposition</i> , 2016, 44, 984-991.	3.3	84
4	Biomonitoring of Organophosphorus Agent Exposure by Reactivation of Cholinesterase Enzyme Based on Carbon Nanotube-Enhanced Flow-Injection Amperometric Detection. <i>Analytical Chemistry</i> , 2009, 81, 9314-9320.	6.5	81
5	Magnetic Electrochemical Sensing Platform for Biomonitoring of Exposure to Organophosphorus Pesticides and Nerve Agents Based on Simultaneous Measurement of Total Enzyme Amount and Enzyme Activity. <i>Analytical Chemistry</i> , 2011, 83, 3770-3777.	6.5	78
6	A novel immunochromatographic electrochemical biosensor for highly sensitive and selective detection of trichloropyridinol, a biomarker of exposure to chlorpyrifos. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2835-2840.	10.1	70
7	All that is silver is not toxic: silver ion and particle kinetics reveals the role of silver ion aging and dosimetry on the toxicity of silver nanoparticles. <i>Particle and Fibre Toxicology</i> , 2018, 15, 47.	6.2	69
8	A 3D-Printed, Portable, Optical-Sensing Platform for Smartphones Capable of Detecting the Herbicide 2,4-Dichlorophenoxyacetic Acid. <i>Analytical Chemistry</i> , 2017, 89, 9339-9346.	6.5	67
9	ISD3: a particokinetic model for predicting the combined effects of particle sedimentation, diffusion and dissolution on cellular dosimetry for in vitro systems. <i>Particle and Fibre Toxicology</i> , 2018, 15, 6.	6.2	65
10	Intracellular accumulation dynamics and fate of zinc ions in alveolar epithelial cells exposed to airborne ZnO nanoparticles at the air-liquid interface. <i>Nanotoxicology</i> , 2015, 9, 9-22.	3.0	51
11	Comparative chlorpyrifos pharmacokinetics via multiple routes of exposure and vehicles of administration in the adult rat. <i>Toxicology</i> , 2009, 261, 47-58.	4.2	48
12	Activity-Based Probes for Isoenzyme- and Site-Specific Functional Characterization of Glutathione S-Transferases. <i>Journal of the American Chemical Society</i> , 2017, 139, 16032-16035.	13.7	34
13	Comparison of 20 nm silver nanoparticles synthesized with and without a gold core: Structure, dissolution in cell culture media, and biological impact on macrophages. <i>Biointerphases</i> , 2015, 10, 031003.	1.6	27
14	In Vitro Age-Dependent Enzymatic Metabolism of Chlorpyrifos and Chlorpyrifos-Oxon in Human Hepatic Microsomes and Chlorpyrifos-Oxon in Plasma. <i>Drug Metabolism and Disposition</i> , 2011, 39, 1353-1362.	3.3	26
15	A human life-stage physiologically based pharmacokinetic and pharmacodynamic model for chlorpyrifos: Development and validation. <i>Regulatory Toxicology and Pharmacology</i> , 2014, 69, 580-597.	2.7	24
16	Toxicokinetics of benzo[a]pyrene in humans: Extensive metabolism as determined by UPLC-accelerator mass spectrometry following oral micro-dosing. <i>Toxicology and Applied Pharmacology</i> , 2019, 364, 97-105.	2.8	23
17	Pharmacokinetics of the Chlorpyrifos Metabolite 3,5,6-Trichloro-2-Pyridinol (TCPy) in Rat Saliva. <i>Toxicological Sciences</i> , 2010, 113, 315-325.	3.1	21
18	Comparative pharmacokinetics of chlorpyrifos versus its major metabolites following oral administration in the rat. <i>Toxicology</i> , 2010, 268, 55-63.	4.2	20

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19	Pharmacokinetics and pharmacodynamics of chlorpyrifos in adult male Long-Evans rats following repeated subcutaneous exposure to chlorpyrifos. <i>Toxicology</i> , 2011, 287, 137-144.	4.2	20
20	Pharmacokinetics of [14C]-Benzo[a]pyrene (BaP) in humans: Impact of Co-Administration of smoked salmon and BaP dietary restriction. <i>Food and Chemical Toxicology</i> , 2018, 115, 136-147.	3.6	20
21	Impact of lithiated cobalt oxide and phosphate nanoparticles on rainbow trout gill epithelial cells. <i>Nanotoxicology</i> , 2018, 12, 1166-1181.	3.0	20
22	Pharmacokinetics and Pharmacodynamics of Chlorpyrifos and 3,5,6-Trichloro-2-pyridinol in Rat Saliva After Chlorpyrifos Administration. <i>Toxicological Sciences</i> , 2012, 130, 245-256.	3.1	19
23	In vitro metabolism of benzo[a]pyrene-7,8-dihydrodiol and dibenzo[def,p]chrysene-11,12 diol in rodent and human hepatic microsomes. <i>Toxicology Letters</i> , 2017, 269, 23-32.	0.8	17
24	Smartphone-Based Dual-Channel Immunochromatographic Test Strip with Polymer Quantum Dot Labels for Simultaneous Detection of Cypermethrin and 3-Phenoxybenzoic Acid. <i>Analytical Chemistry</i> , 2021, 93, 13658-13666.	6.5	17
25	Benzo[a]pyrene (BaP) metabolites predominant in human plasma following escalating oral micro-dosing with [14C]-BaP. <i>Environment International</i> , 2022, 159, 107045.	10.0	16
26	3,3-Diindolylmethane Exhibits Significant Metabolism after Oral Dosing in Humans. <i>Drug Metabolism and Disposition</i> , 2021, 49, 694-705.	3.3	15
27	Benzo[a]pyrene Induction of Glutathione S-Transferases: An Activity-Based Protein Profiling Investigation. <i>Chemical Research in Toxicology</i> , 2019, 32, 1259-1267.	3.3	13
28	Computational strategy for quantifying human pesticide exposure based upon a saliva measurement. <i>Frontiers in Pharmacology</i> , 2015, 06, 115.	3.5	12
29	Use of a probabilistic PBPK/PD model to calculate Data Derived Extrapolation Factors for chlorpyrifos. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 86, 59-73.	2.7	12
30	Exposure to an Environmental Mixture of Polycyclic Aromatic Hydrocarbons Induces Hepatic Cytochrome P450 Enzymes in Mice. <i>Chemical Research in Toxicology</i> , 2021, 34, 2145-2156.	3.3	10
31	Multifunctional Activity-Based Protein Profiling of the Developing Lung. <i>Journal of Proteome Research</i> , 2018, 17, 2623-2634.	3.7	9
32	Evaluation of non-invasive biomonitoring of 2,4-Dichlorophenoxyacetic acid (2,4-D) in saliva. <i>Toxicology</i> , 2018, 410, 171-181.	4.2	9
33	Profiling How the Gut Microbiome Modulates Host Xenobiotic Metabolism in Response to Benzo[a]pyrene and 1-Nitropyrene Exposure. <i>Chemical Research in Toxicology</i> , 2022, 35, 585-596.	3.3	9
34	Risk assessment of predicted serum concentrations of bisphenol A in children and adults following treatment with dental composite restoratives, dental sealants, or orthodontic adhesives using physiologically based pharmacokinetic modeling. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 120, 104839.	2.7	8
35	Structure Dependent Determination of Organophosphate Targets in Mammalian Tissues Using Activity-Based Protein Profiling. <i>Chemical Research in Toxicology</i> , 2020, 33, 414-425.	3.3	7
36	Au@PtPd enhanced immunoassay with 3D printed smartphone device for quantification of diaminochlorotriazine (DACT), the major atrazine biomarker. <i>Biosensors and Bioelectronics</i> , 2022, 208, 114190.	10.1	7

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37	Gold/silver core-shell 20â€%nm nanoparticles extracted from citrate solution examined by XPS. <i>Surface Science Spectra</i> , 2016, 23, 29-39.	1.3	6
38	Non-invasive saliva human biomonitoring: development of an in vitro platform. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2017, 27, 72-77.	3.9	6
39	Competitive Metabolism of Polycyclic Aromatic Hydrocarbons (PAHs): An Assessment Using In Vitro Metabolism and Physiologically Based Pharmacokinetic (PBPK) Modeling. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8266.	2.6	6
40	Predicting Transport of 3,5,6-Trichloro-2-Pyridinol Into Saliva Using a Combination Experimental and Computational Approach. <i>Toxicological Sciences</i> , 2017, 157, 438-450.	3.1	5
41	Translating nanoparticle dosimetry from conventional in vitro systems to occupational inhalation exposures. <i>Journal of Aerosol Science</i> , 2021, 155, 105771.	3.8	5
42	Physiologically Based Pharmacokinetic Modeling of Salivary Concentrations for Noninvasive Biomonitoring of 2,4-Dichlorophenoxyacetic Acid (2,4-D). <i>Toxicological Sciences</i> , 2019, 172, 330-343.	3.1	3
43	Translating dosimetry of Dibenzo[def,p]chrysene (DBC) and metabolites across dose and species using physiologically based pharmacokinetic (PBPK) modeling. <i>Toxicology and Applied Pharmacology</i> , 2022, 438, 115830.	2.8	3
44	Regional Brain Dosimetry for the Organophosphorus Insecticide Chlorpyrifos in the Preweanling Rat. <i>ACS Symposium Series</i> , 2012, , 195-213.	0.5	2
45	Plasma Protein Turnover Rates in Rats Using Stable Isotope Labeling, Global Proteomics, and Activity-Based Protein Profiling. <i>Analytical Chemistry</i> , 2017, 89, 13559-13566.	6.5	2
46	The need for non- or minimally-invasive biomonitoring strategies and the development of pharmacokinetic/pharmacodynamic models for quantification. <i>Current Opinion in Toxicology</i> , 2017, 4, 28-34.	5.0	0
47	Linking internal dosimetries of the propyl metabolic series in rats and humans using physiologically based pharmacokinetic (PBPK) modeling. <i>Regulatory Toxicology and Pharmacology</i> , 2020, 110, 104507.	2.7	0