

Justin G Teeguarden

List of Publications by Year in descending order

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69
papers

4,746
citations

87843

38
h-index

95218

68
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69
all docs

69
docs citations

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times ranked

6522
citing authors

#	ARTICLE	IF	CITATIONS
1	Particokinetics In Vitro: Dosimetry Considerations for In Vitro Nanoparticle Toxicity Assessments. <i>Toxicological Sciences</i> , 2007, 95, 300-312.	1.4	668
2	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.	2.8	397
3	In-vitro cell exposure studies for the assessment of nanoparticle toxicity in the lung—A dialog between aerosol science and biology. <i>Journal of Aerosol Science</i> , 2011, 42, 668-692.	1.8	264
4	Macrophage Responses to Silica Nanoparticles are Highly Conserved Across Particle Sizes. <i>Toxicological Sciences</i> , 2009, 107, 553-569.	1.4	207
5	Twenty-Four Hour Human Urine and Serum Profiles of Bisphenol A during High-Dietary Exposure. <i>Toxicological Sciences</i> , 2011, 123, 48-57.	1.4	192
6	An integrated approach for the in vitro dosimetry of engineered nanomaterials. <i>Particle and Fibre Toxicology</i> , 2014, 11, 20.	2.8	184
7	Evaluation of the Potential Impact of Age- and Gender-Specific Pharmacokinetic Differences on Tissue Dosimetry 2Current address: Novartis Pharmaceuticals, East Hanover, NJ 07936.. <i>Toxicological Sciences</i> , 2004, 79, 381-393.	1.4	158
8	Dysregulation of Macrophage Activation Profiles by Engineered Nanoparticles. <i>ACS Nano</i> , 2013, 7, 6997-7010.	7.3	135
9	Evaluation of Oral and Intravenous Route Pharmacokinetics, Plasma Protein Binding, and Uterine Tissue Dose Metrics of Bisphenol A: A Physiologically Based Pharmacokinetic Approach. <i>Toxicological Sciences</i> , 2005, 85, 823-838.	1.4	130
10	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.	1.4	103
11	Transgenerational inheritance of neurobehavioral and physiological deficits from developmental exposure to benzo[a]pyrene in zebrafish. <i>Toxicology and Applied Pharmacology</i> , 2017, 329, 148-157.	1.3	101
12	Review and Evaluation of the Potential Impact of Age- and Gender-Specific Pharmacokinetic Differences on Tissue Dosimetry. <i>Critical Reviews in Toxicology</i> , 2002, 32, 329-389.	1.9	99
13	Completing the Link between Exposure Science and Toxicology for Improved Environmental Health Decision Making: The Aggregate Exposure Pathway Framework. <i>Environmental Science & Technology</i> , 2016, 50, 4579-4586.	4.6	96
14	A systematic review of Bisphenol A “low dose” studies in the context of human exposure: A case for establishing standards for reporting “low-dose” effects of chemicals. <i>Food and Chemical Toxicology</i> , 2013, 62, 935-948.	1.8	84
15	Are typical human serum BPA concentrations measurable and sufficient to be estrogenic in the general population?. <i>Food and Chemical Toxicology</i> , 2013, 62, 949-963.	1.8	82
16	Implications of Bioremediation of Polycyclic Aromatic Hydrocarbon-Contaminated Soils for Human Health and Cancer Risk. <i>Environmental Science & Technology</i> , 2017, 51, 9458-9468.	4.6	82
17	Iron oxide nanoparticle agglomeration influences dose rates and modulates oxidative stress-mediated dose “response profiles in vitro. <i>Nanotoxicology</i> , 2014, 8, 663-675.	1.6	81
18	A proposal for assessing study quality: Biomonitoring, Environmental Epidemiology, and Short-lived Chemicals (BEES-C) instrument. <i>Environment International</i> , 2014, 73, 195-207.	4.8	81

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19	ISICLE: A Quantum Chemistry Pipeline for Establishing in Silico Collision Cross Section Libraries. <i>Analytical Chemistry</i> , 2019, 91, 4346-4356.	3.2	74
20	PHYSIOLOGICALLY BASED PHARMACOKINETIC MODELING OF STYRENE AND STYRENE OXIDE RESPIRATORY-TRACT DOSIMETRY IN RODENTS AND HUMANS. <i>Inhalation Toxicology</i> , 2002, 14, 789-834.	0.8	73
21	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.	2.8	69
22	Quantitation of Multistage Carcinogenesis in Rat Liver. <i>Toxicologic Pathology</i> , 1996, 24, 119-128.	0.9	68
23	24-hour human urine and serum profiles of bisphenol A: Evidence against sublingual absorption following ingestion in soup. <i>Toxicology and Applied Pharmacology</i> , 2015, 288, 131-142.	1.3	66
24	Development of a physiologically based pharmacokinetic model for assessment of human exposure to bisphenol A. <i>Toxicology and Applied Pharmacology</i> , 2015, 289, 442-456.	1.3	66
25	Integrating ion mobility spectrometry into mass spectrometry-based exposome measurements: what can it add and how far can it go?. <i>Bioanalysis</i> , 2017, 9, 81-98.	0.6	66
26	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.	2.8	65
27	Evaluation of the Potential Impact of Age- and Gender-Specific Lung Morphology and Ventilation Rate on the Dosimetry of Vapors. <i>Inhalation Toxicology</i> , 2003, 15, 987-1016.	0.8	63
28	SPE-IMS-MS: An automated platform for sub-sixty second surveillance of endogenous metabolites and xenobiotics in biofluids. <i>Clinical Mass Spectrometry</i> , 2016, 2, 1-10.	1.9	63
29	Aerosolized ZnO Nanoparticles Induce Toxicity in Alveolar Type II Epithelial Cells at the Air-Liquid Interface. <i>Toxicological Sciences</i> , 2012, 125, 450-461.	1.4	58
30	Urine and serum biomonitoring of exposure to environmental estrogens I: Bisphenol A in pregnant women. <i>Food and Chemical Toxicology</i> , 2016, 92, 129-142.	1.8	51
31	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.	2.8	49
32	Night shift schedule causes circadian dysregulation of DNA repair genes and elevated DNA damage in humans. <i>Journal of Pineal Research</i> , 2021, 70, e12726.	3.4	46
33	Comparative Risks of Aldehyde Constituents in Cigarette Smoke Using Transient Computational Fluid Dynamics/Physiologically Based Pharmacokinetic Models of the Rat and Human Respiratory Tracts. <i>Toxicological Sciences</i> , 2015, 146, 65-88.	1.4	45
34	Development of a Physiologically Based Pharmacokinetic Model for Estradiol in Rats and Humans: A Biologically Motivated Quantitative Framework for Evaluating Responses to Estradiol and Other Endocrine-Active Compounds. <i>Toxicological Sciences</i> , 2002, 69, 60-78.	1.4	44
35	Advancements in Life Cycle Human Exposure and Toxicity Characterization. <i>Environmental Health Perspectives</i> , 2018, 126, 125001.	2.8	44
36	Computational Modeling of Serum-Binding Proteins and Clearance in Extrapolations Across Life Stages and Species for Endocrine Active Compounds. <i>Risk Analysis</i> , 2004, 24, 751-770.	1.5	42

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37	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.	7.3	42
38	Urine and serum biomonitoring of exposure to environmental estrogens II: Soy isoflavones and zearalenone in pregnant women. <i>Food and Chemical Toxicology</i> , 2016, 95, 19-27.	1.8	42
39	Exposure assessment of process-related contaminants in food by biomarker monitoring. <i>Archives of Toxicology</i> , 2018, 92, 15-40.	1.9	40
40	A PBPK Model for Evaluating the Impact of Aldehyde Dehydrogenase Polymorphisms on Comparative Rat and Human Nasal Tissue Acetaldehyde Dosimetry. <i>Inhalation Toxicology</i> , 2008, 20, 375-390.	0.8	35
41	The quantitation of altered hepatic foci during multistage hepatocarcinogenesis in the rat: Transforming growth factor β expression as a marker for the stage of progression. <i>Cancer Letters</i> , 1995, 93, 73-83.	3.2	31
42	Route-Specific Differences in Distribution Characteristics of Octamethylcyclotetrasiloxane in Rats: Analysis Using PBPK Models. <i>Toxicological Sciences</i> , 2003, 71, 41-52.	1.4	31
43	Dose-Response Modeling of Cytochrome P450 Induction in Rats by Octamethylcyclotetrasiloxane. <i>Toxicological Sciences</i> , 2002, 67, 159-172.	1.4	29
44	Physiologically-based pharmacokinetic model for Fentanyl in support of the development of Provisional Advisory Levels. <i>Toxicology and Applied Pharmacology</i> , 2013, 273, 464-476.	1.3	29
45	Aggregate exposure pathways in support of risk assessment. <i>Current Opinion in Toxicology</i> , 2018, 9, 8-13.	2.6	25
46	Derivation of an Inhalation Reference Concentration Based upon Olfactory Neuronal Loss in Male Rats following Subchronic Acetaldehyde Inhalation. <i>Inhalation Toxicology</i> , 2008, 20, 245-256.	0.8	21
47	Passive samplers accurately predict PAH levels in resident crayfish. <i>Science of the Total Environment</i> , 2016, 544, 782-791.	3.9	21
48	A multi-route model of nicotine-cotinine pharmacokinetics, pharmacodynamics and brain nicotinic acetylcholine receptor binding in humans. <i>Regulatory Toxicology and Pharmacology</i> , 2013, 65, 12-28.	1.3	20
49	Comparison of PBTK model and biomarker based estimates of the internal dosimetry of acrylamide. <i>Food and Chemical Toxicology</i> , 2013, 58, 506-521.	1.8	20
50	24-hour human urine and serum profiles of bisphenol A following ingestion in soup: Individual pharmacokinetic data and emographics. <i>Data in Brief</i> , 2015, 4, 83-86.	0.5	19
51	Refining the aggregate exposure pathway. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 428-436.	1.7	15
52	Evaluation of <i>In Silico</i> Multifeature Libraries for Providing Evidence for the Presence of Small Molecules in Synthetic Blinded Samples. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 4052-4060.	2.5	13
53	Interspecies Dose Extrapolation for Inhaled Dimethyl Sulfate: A PBPK Model-Based Analysis using Nasal Cavity N7-Methylguanine Adducts. <i>Inhalation Toxicology</i> , 2004, 16, 593-605.	0.8	12
54	Magnetic particle detection (MPD) for in-vitro dosimetry. <i>Biosensors and Bioelectronics</i> , 2013, 43, 88-93.	5.3	11

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55	Quantification of Carbon Nanotube Doses in Adherent Cell Culture Assays Using UV-VIS-NIR Spectroscopy. <i>Nanomaterials</i> , 2019, 9, 1765.	1.9	11
56	Nonlinear responses for chromosome and gene level effects induced by vinyl acetate monomer and its metabolite, acetaldehyde in TK6 cells. <i>Environmental and Molecular Mutagenesis</i> , 2013, 54, 755-768.	0.9	10
57	Low-dose gold nanoparticles exert subtle endocrine-modulating effects on the ovarian steroidogenic pathway<i>ex vivo</i> independent of oxidative stress. <i>Nanotoxicology</i> , 2014, 8, 856-866.	1.6	10
58	PIXIE: an algorithm for automated ion mobility arrival time extraction and collision cross section calculation using global data association. <i>Bioinformatics</i> , 2017, 33, 2715-2722.	1.8	10
59	Comparative estrogenicity of endogenous, environmental and dietary estrogens in pregnant women II: Total estrogenicity calculations accounting for competitive protein and receptor binding and potency. <i>Food and Chemical Toxicology</i> , 2019, 125, 341-353.	1.8	9
60	Adhering to Fundamental Principles of Biomonitoring, BPA Pharmacokinetics, and Mass Balance Is No "Flaw". <i>Toxicological Sciences</i> , 2012, 125, 321-325.	1.4	8
61	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.	1.3	8
62	leapR: An R Package for Multiomic Pathway Analysis. <i>Journal of Proteome Research</i> , 2021, 20, 2116-2121.	1.8	6
63	Comparative estrogenicity of endogenous, environmental and dietary estrogens in pregnant women I: Serum levels, variability and the basis for urinary biomonitoring of serum estrogenicity. <i>Food and Chemical Toxicology</i> , 2018, 115, 511-522.	1.8	5
64	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.	2.4	5
65	Benchmark calculations from summarized data: an example. <i>Environmental and Ecological Statistics</i> , 2009, 16, 13-24.	1.9	4
66	Exposure Conditions and Pharmacokinetic Principles: Interpreting Bisphenol A Absorption in the Canine Oral Cavity. <i>Environmental Health Perspectives</i> , 2013, 121, A323.	2.8	4
67	Evaluation of the Potential Impact of Age- and Gender-Specific Lung Morphology and Ventilation Rate on the Dosimetry of Vapors. <i>Inhalation Toxicology</i> , 2003, 15, 987-1016.	0.8	2
68	Experimental Toxicology: Carcinogenesis. , 2005, , 457-490.		1
69	Expanding on Successful Concepts, Models, and Organization. <i>Environmental Science & Technology</i> , 2016, 50, 8921-8922.	4.6	1