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List of Publications by Year
in descending order

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69 papers	4,746 citations	87888 38 h-index	95266 68 g-index
69 all docs	69 docs citations	69 times ranked	6522 citing authors

#	Article	IF	Citations
1	Particokinetics In Vitro: Dosimetry Considerations for In Vitro Nanoparticle Toxicity Assessments. Toxicological Sciences, 2007, 95, 300-312.	3.1	668
2	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
3	In-vitro cell exposure studies for the assessment of nanoparticle toxicity in the lungâ€"A dialog between aerosol science and biology. Journal of Aerosol Science, 2011, 42, 668-692.	3.8	264
4	Macrophage Responses to Silica Nanoparticles are Highly Conserved Across Particle Sizes. Toxicological Sciences, 2009, 107, 553-569.	3.1	207
5	Twenty-Four Hour Human Urine and Serum Profiles of Bisphenol A during High-Dietary Exposure. Toxicological Sciences, 2011, 123, 48-57.	3.1	192
6	An integrated approach for the in vitro dosimetry of engineered nanomaterials. Particle and Fibre Toxicology, 2014, 11, 20.	6.2	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.. Toxicological Sciences, 2004, 79, 381-393.	3.1	158
8	Dysregulation of Macrophage Activation Profiles by Engineered Nanoparticles. ACS Nano, 2013, 7, 6997-7010.	14.6	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. Toxicological Sciences, 2005, 85, 823-838.	3.1	130
10	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
11	Transgenerational inheritance of neurobehavioral and physiological deficits from developmental exposure to benzo[a]pyrene in zebrafish. Toxicology and Applied Pharmacology, 2017, 329, 148-157.	2.8	101
12	Review and Evaluation of the Potential Impact of Age- and Gender-Specific Pharmacokinetic Differences on Tissue Dosimetry. Critical Reviews in Toxicology, 2002, 32, 329-389.	3.9	99
13	Completing the Link between Exposure Science and Toxicology for Improved Environmental Health Decision Making: The Aggregate Exposure Pathway Framework. Environmental Science & Technology, 2016, 50, 4579-4586.	10.0	96
14	A systematic review of Bisphenol A â€œlow doseâ€•studies in the context of human exposure: A case for establishing standards for reporting â€œlow-doseâ€•effects of chemicals. Food and Chemical Toxicology, 2013, 62, 935-948.	3.6	84
15	Are typical human serum BPA concentrations measurable and sufficient to be estrogenic in the general population?. Food and Chemical Toxicology, 2013, 62, 949-963.	3.6	82
16	Implications of Bioremediation of Polycyclic Aromatic Hydrocarbon-Contaminated Soils for Human Health and Cancer Risk. Environmental Science & Technology, 2017, 51, 9458-9468.	10.0	82
17	Iron oxide nanoparticle agglomeration influences dose rates and modulates oxidative stress-mediated doseâ€“response profilesin vitro. Nanotoxicology, 2014, 8, 663-675.	3.0	81
18	A proposal for assessing study quality: Biomonitoring, Environmental Epidemiology, and Short-lived Chemicals (BEES-C) instrument. Environment International, 2014, 73, 195-207.	10.0	81

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19	ISiCLE: A Quantum Chemistry Pipeline for Establishing in Silico Collision Cross Section Libraries. Analytical Chemistry, 2019, 91, 4346-4356.	6.5	74
20	PHYSIOLOGICALLY BASED PHARMACOKINETIC MODELING OF STYRENE AND STYRENE OXIDE RESPIRATORY-TRACT DOSIMETRY IN RODENTS AND HUMANS. Inhalation Toxicology, 2002, 14, 789-834.	1.6	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. Particle and Fibre Toxicology, 2018, 15, 47.	6.2	69
22	Quantitation of Multistage Carcinogenesis in Rat Liver. Toxicologic Pathology, 1996, 24, 119-128.	1.8	68
23	24-hour human urine and serum profiles of bisphenol A: Evidence against sublingual absorption following ingestion in soup. Toxicology and Applied Pharmacology, 2015, 288, 131-142.	2.8	66
24	Development of a physiologically based pharmacokinetic model for assessment of human exposure to bisphenol A. Toxicology and Applied Pharmacology, 2015, 289, 442-456.	2.8	66
25	Integrating ion mobility spectrometry into mass spectrometry-based exposome measurements: what can it add and how far can it go?. Bioanalysis, 2017, 9, 81-98.	1.5	66
26	ISD3: a particokinetic model for predicting the combined effects of particle sedimentation, diffusion and dissolution on cellular dosimetry for in vitro systems. Particle and Fibre Toxicology, 2018, 15, 6.	6.2	65
27	Evaluation of the Potential Impact of Age- and Gender-Specific Lung Morphology and Ventilation Rate on the Dosimetry of Vapors. Inhalation Toxicology, 2003, 15, 987-1016.	1.6	63
28	SPE-IMS-MS: An automated platform for sub-sixty second surveillance of endogenous metabolites and xenobiotics in biofluids. Clinical Mass Spectrometry, 2016, 2, 1-10.	1.9	63
29	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
30	Urine and serum biomonitoring of exposure to environmental estrogens I: Bisphenol A in pregnant women. Food and Chemical Toxicology, 2016, 92, 129-142.	3.6	51
31	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
32	Night shift schedule causes circadian dysregulation of DNA repair genes and elevated DNA damage in humans. Journal of Pineal Research, 2021, 70, e12726.	7.4	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. Toxicological Sciences, 2015, 146, 65-88.	3.1	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. Toxicological Sciences, 2002, 69, 60-78.	3.1	44
35	Advancements in Life Cycle Human Exposure and Toxicity Characterization. Environmental Health Perspectives, 2018, 126, 125001.	6.0	44
36	Computational Modeling of Serum-Binding Proteins and Clearance in Extrapolations Across Life Stages and Species for Endocrine Active Compounds. Risk Analysis, 2004, 24, 751-770.	2.7	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. ACS Nano, 2007, 1, 463-475.	14.6	42
38	Urine and serum biomonitoring of exposure to environmental estrogens II: Soy isoflavones and zearalenone in pregnant women. Food and Chemical Toxicology, 2016, 95, 19-27.	3.6	42
39	Exposure assessment of process-related contaminants in food by biomarker monitoring. Archives of Toxicology, 2018, 92, 15-40.	4.2	40
40	A PBPK Model for Evaluating the Impact of Aldehyde Dehydrogenase Polymorphisms on Comparative Rat and Human Nasal Tissue Acetaldehyde Dosimetry. Inhalation Toxicology, 2008, 20, 375-390.	1.6	35
41	The quantitation of altered hepatic foci during multistage hepatocarcinogenesis in the rat: Transforming growth factor Î± expression as a marker for the stage of progression. Cancer Letters, 1995, 93, 73-83.	7.2	31
42	Route-Specific Differences in Distribution Characteristics of Octamethylcyclotetrasiloxane in Rats: Analysis Using PBPK Models. Toxicological Sciences, 2003, 71, 41-52.	3.1	31
43	Dose-Response Modeling of Cytochrome P450 Induction in Rats by Octamethylcyclotetrasiloxane. Toxicological Sciences, 2002, 67, 159-172.	3.1	29
44	Physiologically-based pharmacokinetic model for Fentanyl in support of the development of Provisional Advisory Levels. Toxicology and Applied Pharmacology, 2013, 273, 464-476.	2.8	29
45	Aggregate exposure pathways in support of risk assessment. Current Opinion in Toxicology, 2018, 9, 8-13.	5.0	25
46	Derivation of an Inhalation Reference Concentration Based upon Olfactory Neuronal Loss in Male Rats following Subchronic Acetaldehyde Inhalation. Inhalation Toxicology, 2008, 20, 245-256.	1.6	21
47	Passive samplers accurately predict PAH levels in resident crayfish. Science of the Total Environment, 2016, 544, 782-791.	8.0	21
48	A multi-route model of nicotineâ€“cotinine pharmacokinetics, pharmacodynamics and brain nicotinic acetylcholine receptor binding in humans. Regulatory Toxicology and Pharmacology, 2013, 65, 12-28.	2.7	20
49	Comparison of PBTK model and biomarker based estimates of the internal dosimetry of acrylamide. Food and Chemical Toxicology, 2013, 58, 506-521.	3.6	20
50	24-hour human urine and serum profiles of bisphenol A following ingestion in soup: Individual pharmacokinetic data and emographics. Data in Brief, 2015, 4, 83-86.	1.0	19
51	Refining the aggregate exposure pathway. Environmental Sciences: Processes and Impacts, 2018, 20, 428-436.	3.5	15
52	Evaluation of In Silico Multifeature Libraries for Providing Evidence for the Presence of Small Molecules in Synthetic Blinded Samples. Journal of Chemical Information and Modeling, 2019, 59, 4052-4060.	5.4	13
53	Interspecies Dose Extrapolation for Inhaled Dimethyl Sulfate: A PBPK Model-Based Analysis using Nasal Cavity N7-Methylguanine Adducts. Inhalation Toxicology, 2004, 16, 593-605.	1.6	12
54	Magnetic particle detection (MPD) for in-vitro dosimetry. Biosensors and Bioelectronics, 2013, 43, 88-93.	10.1	11

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55	Quantification of Carbon Nanotube Doses in Adherent Cell Culture Assays Using UV-VIS-NIR Spectroscopy. Nanomaterials, 2019, 9, 1765.	4.1	11
56	Nonlinear responses for chromosome and gene level effects induced by vinyl acetate monomer and its metabolite, acetaldehyde in TK6 cells. Environmental and Molecular Mutagenesis, 2013, 54, 755-768.	2.2	10
57	Low-dose gold nanoparticles exert subtle endocrine-modulating effects on the ovarian steroidogenic pathwayex vivoindependent of oxidative stress. Nanotoxicology, 2014, 8, 856-866.	3.0	10
58	PIXiE: an algorithm for automated ion mobility arrival time extraction and collision cross section calculation using global data association. Bioinformatics, 2017, 33, 2715-2722.	4.1	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. Food and Chemical Toxicology, 2019, 125, 341-353.	3.6	9
60	Adhering to Fundamental Principles of Biomonitoring, BPA Pharmacokinetics, and Mass Balance Is No â€œFlawâ€• Toxicological Sciences, 2012, 125, 321-325.	3.1	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. Regulatory Toxicology and Pharmacology, 2021, 120, 104839.	2.7	8
62	leapR: An R Package for Multiomic Pathway Analysis. Journal of Proteome Research, 2021, 20, 2116-2121.	3.7	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. Food and Chemical Toxicology, 2018, 115, 511-522.	3.6	5
64	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
65	Benchmark calculations from summarized data: an example. Environmental and Ecological Statistics, 2009, 16, 13-24.	3.5	4
66	Exposure Conditions and Pharmacokinetic Principles: Interpreting Bisphenol A Absorption in the Canine Oral Cavity. Environmental Health Perspectives, 2013, 121, A323.	6.0	4
67	Evaluation of the Potential Impact of Age- and Gender-Specific Lung Morphology and Ventilation Rate on the Dosimetry of Vapors. Inhalation Toxicology, 2003, 15, 987-1016.	1.6	2
68	Experimental Toxicology: Carcinogenesis. , 2005, , 457-490.		1
69	Expanding on Successful Concepts, Models, and Organization. Environmental Science & Technology, 2016, 50, 8921-8922.	10.0	1