Gunnar Johanson

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Population Toxicokinetic Modeling of Cadmium for Health Risk Assessment. Environmental Health Perspectives, 2009, 117, 1293-1301.	2.8	180
2	Characterizing Uncertainty and Variability in Physiologically Based Pharmacokinetic Models: State of the Science and Needs for Research and Implementation. Toxicological Sciences, 2007, 99, 395-402.	1.4	122
3	Toxicokinetics of inhaled 2-butoxyethanol (ethylene glycol monobutyl ether) in man.. Scandinavian Journal of Work, Environment and Health, 1986, 12, 594-602.	1.7	89
4	Toxicity Review of Ethylene Glycol Monomethyl Ether and its Acetate Ester. Critical Reviews in Toxicology, 2000, 30, 307-345.	1.9	83
5	Experimental Exposure to Methyltertiary-Butyl Ether. Toxicology and Applied Pharmacology, 1998, 148, 281-287.	1.3	78
6	The Absorption, Blood Levels, and Excretion of Mercury after a Single Dose of Mercury Vapor in Humans. Toxicology and Applied Pharmacology, 1998, 150, 146-153.	1.3	75
7	Toxicokinetics of Perfluorinated Alkyl Acids Influences Their Toxic Potency in the Zebrafish Embryo (<i>Danio rerio</i>). Environmental Science & Technology, 2019, 53, 3898-3907.	4.6	74
8	Toward a general physiologically-based pharmacokinetic model for intravenously injected nanoparticles. International Journal of Nanomedicine, 2016, 11, 625.	3.3	73
9	A physiologically based pharmacokinetic model for butadiene and its metabolite butadiene monoxide in rat and mouse and its significance for risk extrapolation. Archives of Toxicology, 1993, 67, 151-163.	1.9	71
10	Acute effects of exposure to vapours of acetic acid in humans. Toxicology Letters, 2006, 165, 22-30.	0.4	66
11	Physiologically based pharmacokinetic modeling of polyethylene glycol-coated polyacrylamide nanoparticles in rats. Nanotoxicology, 2014, 8, 128-137.	1.6	65
12	Experimental data from closed chamber gas uptake studies in rodents suggest lower uptake rate of chemical than calculated from literature values on alveolar ventilation. Archives of Toxicology, 1992, 66, 291-295.	1.9	64
13	Spreadsheet programming â€" a new approach in physiologically based modeling of solvent toxicokinetics. Toxicology Letters, 1988, 41, 115-127.	0.4	62
14	Toxicokinetics of Organic Solvents: A Review of Modifying Factors. Critical Reviews in Toxicology, 1998, 28, 571-650.	1.9	62
15	Biokinetics of nanomaterials: The role of biopersistence. NanoImpact, 2017, 6, 69-80.	2.4	58
16	Acute Effects of a Fungal Volatile Compound. Environmental Health Perspectives, 2005, 113, 1775-1778.	2.8	56
17	Physiologically-Based Toxicokinetic Model for Cadmium Using Markov-Chain Monte Carlo Analysis of Concentrations in Blood, Urine, and Kidney Cortex from Living Kidney Donors. Toxicological Sciences, 2014, 141, 365-376.	1.4	56
18	Experimental Exposure to Methyltertiary-Butyl Ether. Toxicology and Applied Pharmacology, 1998, 148, 274-280.	1.3	55

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19	A Bayesian Analysis of the Influence of GSTT1 Polymorphism on the Cancer Risk Estimate for Dichloromethane. Toxicology and Applied Pharmacology, 2001, 174, 99-112.	1.3	55
20	Percutaneous absorption of 2-butoxyethanol in man.. Scandinavian Journal of Work, Environment and Health, 1988, 14, 101-109.	1.7	54
21	Acute respiratory effects of exposure to ammonia on healthy subjects. Scandinavian Journal of Work, Environment and Health, 2004, 30, 313-321.	1.7	53
22	Physiologically based pharmacokinetic modeling of inhaled 2-butoxyethanol in man. Toxicology Letters, 1986, 34, 23-31.	0.4	51
23	Acute effects of 1-octen-3-ol, a microbial volatile organic compound (MVOC)â€"An experimental study. Toxicology Letters, 2008, 181, 141-147.	0.4	49
24	Influence of water on the percutaneous absorption of 2-butoxyethanol in guinea pigs.. Scandinavian Journal of Work, Environment and Health, 1988, 14, 95-100.	1.7	47
25	Physiologically Based Modeling of the Inhalation Kinetics of Styrene in Humans Using a Bayesian Population Approach. Toxicology and Applied Pharmacology, 2002, 179, 35-49.	1.3	44
26	Styrene Oxide in Blood, Hemoglobin Adducts, and Urinary Metabolites in Human Volunteers Exposed to 13C8-Styrene Vapors. Toxicology and Applied Pharmacology, 2000, 168, 36-49.	1.3	43
27	Bayesian estimation of variability in adipose tissue blood flow in man by physiologically based pharmacokinetic modeling of inhalation exposure to toluene. Toxicology, 2001, 157, 177-193.	2.0	43
28	Uptake and Disposition of Inhaled Methanol Vapor in Humans. Toxicological Sciences, 2005, 88, 30-38.	1.4	41
29	Inflammatory effects of acrolein, crotonaldehyde and hexanal vapors on human primary bronchial epithelial cells cultured at air-liquid interface. Toxicology in Vitro, 2018, 46, 219-228.	1.1	41
30	Controlled Ethyl tert-Butyl Ether (ETBE) Exposure of Male Volunteers. Toxicological Sciences, 1998, 46, 143-150.	1.4	40
31	Sex differences in the toxicokinetics of inhaled solvent vapors in humans 2. 2-propanol. Toxicology and Applied Pharmacology, 2003, 193, 158-167.	1.3	40
32	A human physiological model describing acetone kinetics in blood and breath during various levels of physical exercise. Toxicology Letters, 2006, 164, 6-15.	0.4	39
33	Challenges in characterizing the environmental fate and effects of carbon nanotubes and inorganic nanomaterials in aquatic systems. Environmental Science: Nano, 2018, 5, 48-63.	2.2	37
34	Dose-dependent kinetics of inhaled methylethylketone in man. Toxicology Letters, 1990, 50, 195-201.	0.4	33
35	Physiologically-Based Pharmacokinetic and Toxicokinetic Models in Cancer Risk Assessment. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2005, 23, 31-53.	2.9	32
36	Aspects of biological monitoring of exposure to glycol ethers. Toxicology Letters, 1988, 43, 5-21.	0.4	31

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37	Analysis of ethylene glycol ether metabolites in urine by extractive alkylation and electron-capture gas chromatography. Archives of Toxicology, 1989, 63, 107-111.	1.9	30
38	Gas chromatographic determination of butoxyacetic acid in human blood after exposure to 2-butoxyethanol. Archives of Toxicology, 1991, 65, 433-435.	1.9	30
39	The Bayesian population approach to physiological toxicokineticâ€“toxicodynamic modelsâ€"an example using the MCSim software. Toxicology Letters, 2003, 138, 143-150.	0.4	30
40	The Use of Biokinetics and in Vitro Methods in Toxicological Risk Evaluation. ATLA Alternatives To Laboratory Animals, 1996, 24, 473-497.	0.7	30
41	PBPK model for butadiene metabolism to epoxides: quantitative species differences in metabolism. Toxicology, 1996, 113, 40-47.	2.0	29
42	Assessing the reliability of PBPK models using data from methyl chloride-exposed, non-conjugating human subjects. Archives of Toxicology, 2001, 75, 189-199.	1.9	29
43	Physiologically based pharmacokinetic modeling of nanoceria systemic distribution in rats suggests dose- and route-dependent biokinetics. International Journal of Nanomedicine, 2018, Volume 13, 2631-2646.	3.3	29
44	Macrophage-Assisted Dissolution of Gold Nanoparticles. ACS Applied Bio Materials, 2019, 2, 1006-1016.	2.3	28
45	A Compartmental Model for the Kinetics of Mercury Vapor in Humans. Toxicology and Applied Pharmacology, 1999, 155, 161-168.	1.3	26
46	Controlled Ethyl tert-Butyl Ether (ETBE) Exposure of Male Volunteers. Toxicological Sciences, 1998, 46, 1-10.	1.4	25
47	13C2-Labeled Methyl tert-Butyl Ether:â€‰ Toxicokinetics and Characterization of Urinary Metabolites in Humans. Chemical Research in Toxicology, 1999, 12, 822-830.	1.7	25
48	A Quantitative Comparison of the Safety Margins in the European Indicative Occupational Exposure Limits and the Derived No-Effect Levels for Workers under REACH. Toxicological Sciences, 2011, 121, 408-416.	1.4	22
49	Acute Effects of Some Volatile Organic Compounds Emitted From Water-Based Paints. Journal of Occupational and Environmental Medicine, 2007, 49, 880-889.	0.9	21
50	Use of Uncertainty Factors by the SCOEL in their derivation of health-based Occupational Exposure Limits. Critical Reviews in Toxicology, 2010, 40, 791-798.	1.9	20
51	Acute effects of exposure to vapors of hydrogen peroxide in humans. Toxicology Letters, 2012, 212, 222-227.	0.4	20
52	Addressing the challenges of E-cigarette safety profiling by assessment of pulmonary toxicological response in bronchial and alveolar mucosa models. Scientific Reports, 2020, 10, 20460.	1.6	20
53	Sex differences in the toxicokinetics of inhaled solvent vaporsin humans 1. m-Xylene. Toxicology and Applied Pharmacology, 2003, 193, 147-157.	1.3	19
54	Chemical-Specific Adjustment Factors for Intraspecies Variability of Acetone Toxicokinetics Using a Probabilistic Approach. Toxicological Sciences, 2010, 116, 336-348.	1.4	19

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55	Acute effects of acrolein in human volunteers during controlled exposure. Inhalation Toxicology, 2015, 27, 810-821.	0.8	18
56	Percutaneous uptake rate of 2-butoxyethanol in the guinea pig.. Scandinavian Journal of Work, Environment and Health, 1986, 12, 499-503.	1.7	18
57	Uptake and disposition of 1,1-difluoroethane (HFC-152a) in humans. Toxicology Letters, 2012, 209, 21-29.	0.4	17
58	Physiologically Based Pharmacokinetic Modeling of Metabolic Interactions between nâ€Hexane and Toluene in Humans. Journal of Occupational Health, 1998, 40, 293-301.	1.0	16
59	The effects of ethanol on the kinetics of toluene in the perfused rat liver. Toxicology Letters, 1985, 26, 59-64.	0.4	15
60	Field Evaluation of CO2 Detector Tubes for Measuring Outdoor Air Supply Rate in the Indoor Environment. Indoor Air, 1992, 2, 58-64.	2.0	15
61	Changes in n -hexane toxicokinetics in short-term single exposure due to co-exposure to methyl ethyl ketone in volunteers. International Archives of Occupational and Environmental Health, 2002, 75, 399-405.	1.1	15
62	Acute effects of exposure to vapours of standard and dearomatized white spirits in humans. 2. Irritation and inflammation. Journal of Applied Toxicology, 2009, 29, 263-274.	1.4	15
63	Current modeling practice may lead to falsely high benchmark dose estimates. Regulatory Toxicology and Pharmacology, 2014, 69, 171-177.	1.3	15
64	Percutaneous absorption of thirty-eight organic solvents in vitro using pig skin. PLoS ONE, 2018, 13, e0205458.	1.1	15
65	Discrepancy among acute guideline levels for emergency response. Journal of Hazardous Materials, 2010, 184, 439-447.	6.5	14
66	Work Inside Ocean Freight Containersâ€"Personal Exposure to Off-Gassing Chemicals. Annals of Occupational Hygiene, 2013, 57, 1128-37.	1.9	13
67	Evaluation of the experimental basis for assessment factors to protect individuals with asthma from health effects during short-term exposure to airborne chemicals. Critical Reviews in Toxicology, 2016, 46, 241-260.	1.9	13
68	Computational modeling of lung deposition of inhaled particles in chronic obstructive pulmonary disease (COPD) patients: identification of gaps in knowledge and data. Critical Reviews in Toxicology, 2019, 49, 160-173.	1.9	13
69	Inhalation toxicokinetics of butoxyethanol and its metabolite butoxyacetic acid in the male Sprague-Dawley rat. Archives of Toxicology, 1994, 68, 588-594.	1.9	12
70	Bayesian population analysis of a washinâ€"washout physiologically based pharmacokinetic model for acetone. Toxicology and Applied Pharmacology, 2009, 240, 423-432.	1.3	12
71	Using population physiologically based pharmacokinetic modeling to determine optimal sampling times and to interpret biological exposure markers: The example of occupational exposure to styrene. Toxicology Letters, 2012, 213, 299-304.	0.4	12
72	Evaluation of diacetyl mediated pulmonary effects in physiologically relevant air-liquid interface models of human primary bronchial epithelial cells. Toxicology in Vitro, 2019, 61, 104617.	1.1	12

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73	Filaggrin Polymorphisms and the Uptake of Chemicals through the Skinâ€"A Human Experimental Study. Environmental Health Perspectives, 2021, 129, 17002.	2.8	12
74	Occurrence of Fumigants and Hazardous Off-gassing Chemicals in Shipping Containers Arriving in Sweden. Annals of Work Exposures and Health, 2017, 61, 195-206.	0.6	11
75	Differential Effect of SARS-CoV-2 Spike Glycoprotein 1 on Human Bronchial and Alveolar Lung Mucosa Models: Implications for Pathogenicity. Viruses, 2021, 13, 2537.	1.5	11
76	Experimental Exposure to 1,1,1,3,3-Pentafluoropropane (HFC-245fa): Uptake and Disposition in Humans. Toxicological Sciences, 2010, 113, 326-336.	1.4	10
77	Derived No-effect Levels (DNELs) under the European Chemicals Regulation REACHâ€"An Analysis of Long-term Inhalation Worker-DNELs Presented by Industry. Annals of Occupational Hygiene, 2015, 59, 416-38.	1.9	10
78	Use of uncertainty factors by the European Commission Scientific Committee on Occupational Exposure Limits: a follow-up. Critical Reviews in Toxicology, 2018, 48, 513-521.	1.9	10
79	Binding occupational exposure limits for carcinogens in the EU â€" good or bad?. Scandinavian Journal of Work, Environment and Health, 2019, 45, 213-214.	1.7	10
80	Percutaneous uptake and kinetics of methyl isobutyl ketone (MIBK) in the guinea-pig. Toxicology Letters, 1991, 56, 79-86.	0.4	9
81	Does industry take the susceptible subpopulation of asthmatic individuals into consideration when setting derived noâ€effect levels?. Journal of Applied Toxicology, 2016, 36, 1379-1391.	1.4	9
82	Adjustment factors for toluene, styrene and methyl chloride by population modeling of toxicokinetic variability. Regulatory Toxicology and Pharmacology, 2014, 69, 78-90.	1.3	8
83	1,1-Difluoroethane Detection Time in Blood after Inhalation Abuse Estimated by Monte Carlo PBPK Modeling. Pharmaceutics, 2020, 12, 997.	2.0	8
84	Acute effects of exposure to vapours of standard and dearomatized white spirits in humans. 1. Doseâ€finding study. Journal of Applied Toxicology, 2009, 29, 255-262.	1.4	7
85	Chloroanisoles and Chlorophenols Explain Mold Odor but Their Impact on the Swedish Population Is Attributed to Dampness and Mold. International Journal of Environmental Research and Public Health, 2020, 17, 930.	1.2	7
86	Liquidâ€"air partition coefficients of 1,1â€difluoroethane (HFC152a), 1,1,1â€trifluoroethane (HFC143a), 1,1,1,2â€tetrafluoroethane (HFC134a), 1,1,1,2,2â€pentafluoroethane (HFC125) and 1,1,1,3,3â€pentafluoropropane (HFC245fa). Journal of Applied Toxicology, 2010, 30, 59-62.	1.4	6
87	Comparison of airway response in naÃ¯ve and ovalbumin-sensitized mice during short-term inhalation exposure to chlorine. Inhalation Toxicology, 2017, 29, 82-91.	0.8	6
88	Will worker DNELs derived under the European REACH regulation extend the landscape of occupational exposure guidance values?. Archives of Toxicology, 2019, 93, 1187-1200.	1.9	6
89	A novel method for pre-ventilation of shipping containers. International Journal of Hygiene and Environmental Health, 2020, 230, 113626.	2.1	6
90	Measures of odor and lateralization thresholds of acrolein, crotonaldehyde, and hexanal using a novel vapor delivery technique. PLoS ONE, 2017, 12, e0185479.	1.1	5

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91	Use of Toxicokinetics in Risk Assessment Based on <i>In Vitro</i> Data. ATLA Alternatives To Laboratory Animals, 1993, 21, 173-180.	0.7	5
92	New Swedish occupational standards for some organic solvents. American Journal of Industrial Medicine, 1991, 19, 559-567.	1.0	4
93	Blood and exhaled air can be used for biomonitoring of hydrofluorocarbon exposure. Toxicology Letters, 2014, 225, 102-109.	0.4	3
94	Analysis of Acrolein Exposure Induced Pulmonary Response in Seven Inbred Mouse Strains and Human Primary Bronchial Epithelial Cells Cultured at Air-Liquid Interface. BioMed Research International, 2020, 2020, 1-13.	0.9	3
95	Management of bias and conflict of interest among occupational exposure limit expert groups. Regulatory Toxicology and Pharmacology, 2021, 123, 104929.	1.3	2
96	Urine Butoxyacid Acid as a Therapeutic Guide. Journal of Toxicology: Clinical Toxicology, 1993, 31, 501-502.	1.5	1
97	Current modeling practice may lead to falsely high benchmark dose estimates. Toxicology Letters, 2014, 229, S123-S124.	0.4	1
98	Influence of Distribution of Animals between Dose Groups on Estimated Benchmark Dose and Animal Welfare for Continuous Effects. Risk Analysis, 2018, 38, 1143-1153.	1.5	1
99	Down-regulation of the inflammatory response after short-term exposure to low levels of chemical vapours. Occupational and Environmental Medicine, 2019, 76, 482-487.	1.3	1
100	Reply to â€œHydrogen cyanide related deaths and detection in the bloodâ€•by Vihyat S. Bebarta. Inhalation Toxicology, 2012, 24, 688-688.	0.8	0
101	How do expert groups judge data sufficiency to set Occupational Exposure Limits?. Toxicology Letters, 2017, 280, S94-S95.	0.4	0
102	Are asthmatics more sensitive to irritants?. International Journal of Hygiene and Environmental Health, 2020, 226, 113488.	2.1	0
103	Exposure to a Fungal Volatile Compound: WÃ¥linder et al. Respond. Environmental Health Perspectives, 2006, 114, A338-A338.	2.8	0