

Gunnar Johanson

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

100
papers

2,438
citations

31
h-index

44
g-index

113
ext. papers

2,738
ext. citations

4.6
avg, IF

4.96
L-index

#	Paper	IF	Citations
100	Management of bias and conflict of interest among occupational exposure limit expert groups. <i>Regulatory Toxicology and Pharmacology</i> , 2021 , 123, 104929	3.4	
99	Filaggrin Polymorphisms and the Uptake of Chemicals through the Skin-A Human Experimental Study. <i>Environmental Health Perspectives</i> , 2021 , 129, 17002	8.4	6
98	Differential Effect of SARS-CoV-2 Spike Glycoprotein 1 on Human Bronchial and Alveolar Lung Mucosa Models: Implications for Pathogenicity.. <i>Viruses</i> , 2021 , 13,	6.2	1
97	1,1-Difluoroethane Detection Time in Blood after Inhalation Abuse Estimated by Monte Carlo PBPK Modeling. <i>Pharmaceutics</i> , 2020 , 12,	6.4	4
96	Chloroanisoles and Chlorophenols Explain Mold Odor but Their Impact on the Swedish Population Is Attributed to Dampness and Mold. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	3
95	Are asthmatics more sensitive to irritants?. <i>International Journal of Hygiene and Environmental Health</i> , 2020 , 226, 113488	6.9	
94	A novel method for pre-ventilation of shipping containers. <i>International Journal of Hygiene and Environmental Health</i> , 2020 , 230, 113626	6.9	1
93	Analysis of Acrolein Exposure Induced Pulmonary Response in Seven Inbred Mouse Strains and Human Primary Bronchial Epithelial Cells Cultured at Air-Liquid Interface. <i>BioMed Research International</i> , 2020 , 2020, 3259723	3	0
92	Addressing the challenges of E-cigarette safety profiling by assessment of pulmonary toxicological response in bronchial and alveolar mucosa models. <i>Scientific Reports</i> , 2020 , 10, 20460	4.9	8
91	Macrophage-Assisted Dissolution of Gold Nanoparticles.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 1006-1016	4.1	17
90	Computational modeling of lung deposition of inhaled particles in chronic obstructive pulmonary disease (COPD) patients: identification of gaps in knowledge and data. <i>Critical Reviews in Toxicology</i> , 2019 , 49, 160-173	5.7	8
89	Will worker DNELs derived under the European REACH regulation extend the landscape of occupational exposure guidance values?. <i>Archives of Toxicology</i> , 2019 , 93, 1187-1200	5.8	4
88	Toxicokinetics of Perfluorinated Alkyl Acids Influences Their Toxic Potency in the Zebrafish Embryo (Danio rerio). <i>Environmental Science & Technology</i> , 2019 , 53, 3898-3907	10.3	38
87	Evaluation of diacetyl mediated pulmonary effects in physiologically relevant air-liquid interface models of human primary bronchial epithelial cells. <i>Toxicology in Vitro</i> , 2019 , 61, 104617	3.6	6
86	Down-regulation of the inflammatory response after short-term exposure to low levels of chemical vapours. <i>Occupational and Environmental Medicine</i> , 2019 , 76, 482-487	2.1	1
85	Inflammatory effects of acrolein, crotonaldehyde and hexanal vapors on human primary bronchial epithelial cells cultured at air-liquid interface. <i>Toxicology in Vitro</i> , 2018 , 46, 219-228	3.6	27
84	Physiologically based pharmacokinetic modeling of nanoceria systemic distribution in rats suggests dose- and route-dependent biokinetics. <i>International Journal of Nanomedicine</i> , 2018 , 13, 2631-2646	7.3	17

83	Challenges in characterizing the environmental fate and effects of carbon nanotubes and inorganic nanomaterials in aquatic systems. <i>Environmental Science: Nano</i> , 2018 , 5, 48-63	7.1	27
82	Influence of Distribution of Animals between Dose Groups on Estimated Benchmark Dose and Animal Welfare for Continuous Effects. <i>Risk Analysis</i> , 2018 , 38, 1143-1153	3.9	1
81	Percutaneous absorption of thirty-eight organic solvents in vitro using pig skin. <i>PLoS ONE</i> , 2018 , 13, e0205458	10.5	10
80	Use of uncertainty factors by the European Commission Scientific Committee on Occupational Exposure Limits: a follow-up. <i>Critical Reviews in Toxicology</i> , 2018 , 48, 513-521	5.7	8
79	Comparison of airway response in naïve and ovalbumin-sensitized mice during short-term inhalation exposure to chlorine. <i>Inhalation Toxicology</i> , 2017 , 29, 82-91	2.7	5
78	Biokinetics of Nanomaterials: the Role of Biopersistence. <i>NanoImpact</i> , 2017 , 6, 69-80	5.6	44
77	Occurrence of Fumigants and Hazardous Off-gassing Chemicals in Shipping Containers Arriving in Sweden. <i>Annals of Work Exposures and Health</i> , 2017 , 61, 195-206	2.4	4
76	Measures of odor and lateralization thresholds of acrolein, crotonaldehyde, and hexanal using a novel vapor delivery technique. <i>PLoS ONE</i> , 2017 , 12, e0185479	3.7	3
75	Does industry take the susceptible subpopulation of asthmatic individuals into consideration when setting derived no-effect levels?. <i>Journal of Applied Toxicology</i> , 2016 , 36, 1379-91	4.1	7
74	Toward a general physiologically-based pharmacokinetic model for intravenously injected nanoparticles. <i>International Journal of Nanomedicine</i> , 2016 , 11, 625-40	7.3	53
73	Evaluation of the experimental basis for assessment factors to protect individuals with asthma from health effects during short-term exposure to airborne chemicals. <i>Critical Reviews in Toxicology</i> , 2016 , 46, 241-60	5.7	11
72	Acute effects of acrolein in human volunteers during controlled exposure. <i>Inhalation Toxicology</i> , 2015 , 27, 810-21	2.7	12
71	Derived no-effect levels (DNELs) under the European chemicals regulation REACH--an analysis of long-term inhalation worker-DNELs presented by industry. <i>Annals of Occupational Hygiene</i> , 2015 , 59, 416-38		8
70	Adjustment factors for toluene, styrene and methyl chloride by population modeling of toxicokinetic variability. <i>Regulatory Toxicology and Pharmacology</i> , 2014 , 69, 78-90	3.4	8
69	Current modeling practice may lead to falsely high benchmark dose estimates. <i>Regulatory Toxicology and Pharmacology</i> , 2014 , 69, 171-7	3.4	15
68	Physiologically-based toxicokinetic model for cadmium using Markov-chain Monte Carlo analysis of concentrations in blood, urine, and kidney cortex from living kidney donors. <i>Toxicological Sciences</i> , 2014 , 141, 365-76	4.4	39
67	Physiologically based pharmacokinetic modeling of polyethylene glycol-coated polyacrylamide nanoparticles in rats. <i>Nanotoxicology</i> , 2014 , 8 Suppl 1, 128-37	5.3	47
66	Blood and exhaled air can be used for biomonitoring of hydrofluorocarbon exposure. <i>Toxicology Letters</i> , 2014 , 225, 102-9	4.4	3

65	Work inside ocean freight containers--personal exposure to off-gassing chemicals. <i>Annals of Occupational Hygiene</i> , 2013 , 57, 1128-37		9
64	Acetone 2012 , 735-752		2
63	Reply to Hydrogen cyanide related deaths and detection in the blood by Vihyat S. Bebartha. <i>Inhalation Toxicology</i> , 2012 , 24, 688-688	2.7	
62	Uptake and disposition of 1,1-difluoroethane (HFC-152a) in humans. <i>Toxicology Letters</i> , 2012 , 209, 21-9	4.4	13
61	Using population physiologically based pharmacokinetic modeling to determine optimal sampling times and to interpret biological exposure markers: The example of occupational exposure to styrene. <i>Toxicology Letters</i> , 2012 , 213, 299-304	4.4	10
60	Acute effects of exposure to vapors of hydrogen peroxide in humans. <i>Toxicology Letters</i> , 2012 , 212, 222-7	4.4	13
59	A quantitative comparison of the safety margins in the european indicative occupational exposure limits and the derived no-effect levels for workers under REACH. <i>Toxicological Sciences</i> , 2011 , 121, 408-16	4.4	19
58	Chemical-specific adjustment factors for intraspecies variability of acetone toxicokinetics using a probabilistic approach. <i>Toxicological Sciences</i> , 2010 , 116, 336-48	4.4	18
57	Experimental exposure to 1,1,1,3,3-pentafluoropropane (HFC-245fa): uptake and disposition in humans. <i>Toxicological Sciences</i> , 2010 , 113, 326-36	4.4	9
56	Use of uncertainty factors by the SCOEL in their derivation of health-based occupational exposure limits. <i>Critical Reviews in Toxicology</i> , 2010 , 40, 791-8	5.7	16
55	Discrepancy among acute guideline levels for emergency response. <i>Journal of Hazardous Materials</i> , 2010 , 184, 439-447	12.8	11
54	Liquid-air partition coefficients of 1,1-difluoroethane (HFC152a), 1,1,1-trifluoroethane (HFC143a), 1,1,1,2-tetrafluoroethane (HFC134a), 1,1,1,2,2-pentafluoroethane (HFC125) and 1,1,1,3,3-pentafluoropropane (HFC245fa). <i>Journal of Applied Toxicology</i> , 2010 , 30, 59-62	4.1	6
53	Population toxicokinetic modeling of cadmium for health risk assessment. <i>Environmental Health Perspectives</i> , 2009 , 117, 1293-301	8.4	143
52	Bayesian population analysis of a washin-washout physiologically based pharmacokinetic model for acetone. <i>Toxicology and Applied Pharmacology</i> , 2009 , 240, 423-32	4.6	10
51	Acute effects of exposure to vapours of standard and dearomatized white spirits in humans. 2. Irritation and inflammation. <i>Journal of Applied Toxicology</i> , 2009 , 29, 263-74	4.1	13
50	Acute effects of exposure to vapours of standard and dearomatized white spirits in humans. 1. Dose-finding study. <i>Journal of Applied Toxicology</i> , 2009 , 29, 255-62	4.1	7
49	Acute effects of 1-octen-3-ol, a microbial volatile organic compound (MVOC)--an experimental study. <i>Toxicology Letters</i> , 2008 , 181, 141-7	4.4	42
48	Characterizing uncertainty and variability in physiologically based pharmacokinetic models: state of the science and needs for research and implementation. <i>Toxicological Sciences</i> , 2007 , 99, 395-402	4.4	102

47	Acute effects of some volatile organic compounds emitted from water-based paints. <i>Journal of Occupational and Environmental Medicine</i> , 2007 , 49, 880-9	2	19
46	A human physiological model describing acetone kinetics in blood and breath during various levels of physical exercise. <i>Toxicology Letters</i> , 2006 , 164, 6-15	4.4	34
45	Acute effects of exposure to vapours of acetic acid in humans. <i>Toxicology Letters</i> , 2006 , 165, 22-30	4.4	51
44	Physiologically-based pharmacokinetic and toxicokinetic models in cancer risk assessment. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2005 , 23, 31-53	4.5	24
43	Acute effects of a fungal volatile compound. <i>Environmental Health Perspectives</i> , 2005 , 113, 1775-8	8.4	46
42	Uptake and disposition of inhaled methanol vapor in humans. <i>Toxicological Sciences</i> , 2005 , 88, 30-8	4.4	33
41	Acute respiratory effects of exposure to ammonia on healthy persons. <i>Scandinavian Journal of Work, Environment and Health</i> , 2004 , 30, 313-21	4.3	41
40	Sex differences in the toxicokinetics of inhaled solvent vapors in humans 1. m-Xylene. <i>Toxicology and Applied Pharmacology</i> , 2003 , 193, 147-57	4.6	17
39	Sex differences in the toxicokinetics of inhaled solvent vapors in humans 2. 2-propanol. <i>Toxicology and Applied Pharmacology</i> , 2003 , 193, 158-67	4.6	39
38	The Bayesian population approach to physiological toxicokinetic-toxicodynamic models--an example using the MCSim software. <i>Toxicology Letters</i> , 2003 , 138, 143-50	4.4	29
37	Changes in n-hexane toxicokinetics in short-term single exposure due to co-exposure to methyl ethyl ketone in volunteers. <i>International Archives of Occupational and Environmental Health</i> , 2002 , 75, 399-405	3.2	13
36	Physiologically based modeling of the inhalation kinetics of styrene in humans using a bayesian population approach. <i>Toxicology and Applied Pharmacology</i> , 2002 , 179, 35-49	4.6	37
35	Assessing the reliability of PBPK models using data from methyl chloride-exposed, non-conjugating human subjects. <i>Archives of Toxicology</i> , 2001 , 75, 189-99	5.8	23
34	Bayesian estimation of variability in adipose tissue blood flow in man by physiologically based pharmacokinetic modeling of inhalation exposure to toluene. <i>Toxicology</i> , 2001 , 157, 177-93	4.4	38
33	A Bayesian analysis of the influence of GSTT1 polymorphism on the cancer risk estimate for dichloromethane. <i>Toxicology and Applied Pharmacology</i> , 2001 , 174, 99-112	4.6	47
32	Styrene oxide in blood, hemoglobin adducts, and urinary metabolites in human volunteers exposed to (13)C(8)-styrene vapors. <i>Toxicology and Applied Pharmacology</i> , 2000 , 168, 36-49	4.6	36
31	Toxicity review of ethylene glycol monomethyl ether and its acetate ester. <i>Critical Reviews in Toxicology</i> , 2000 , 30, 307-45	5.7	67
30	A compartmental model for the kinetics of mercury vapor in humans. <i>Toxicology and Applied Pharmacology</i> , 1999 , 155, 161-8	4.6	24

29	¹³ C(2)-Labeled methyl tert-butyl ether: toxicokinetics and characterization of urinary metabolites in humans. <i>Chemical Research in Toxicology</i> , 1999 , 12, 822-30	4	22
28	Experimental exposure to methyl tertiary-butyl ether. I. Toxicokinetics in humans. <i>Toxicology and Applied Pharmacology</i> , 1998 , 148, 274-80	4.6	53
27	Experimental exposure to methyl tertiary-butyl ether. II. Acute effects in humans. <i>Toxicology and Applied Pharmacology</i> , 1998 , 148, 281-7	4.6	71
26	The absorption, blood levels, and excretion of mercury after a single dose of mercury vapor in humans. <i>Toxicology and Applied Pharmacology</i> , 1998 , 150, 146-53	4.6	55
25	Controlled Ethyl tert-Butyl Ether (ETBE) Exposure of Male Volunteers. <i>Toxicological Sciences</i> , 1998 , 46, 1-10	4.4	18
24	Toxicokinetics of organic solvents: a review of modifying factors. <i>Critical Reviews in Toxicology</i> , 1998 , 28, 571-650	5.7	50
23	Controlled Ethyl tert-Butyl Ether (ETBE) Exposure of Male Volunteers. <i>Toxicological Sciences</i> , 1998 , 46, 143-150	4.4	39
22	Physiologically Based Pharmacokinetic Modeling of Metabolic Interactions between n-Hexane and Toluene in Humans. <i>Journal of Occupational Health</i> , 1998 , 40, 293-301	2.3	12
21	PBPK model for butadiene metabolism to epoxides: quantitative species differences in metabolism. <i>Toxicology</i> , 1996 , 113, 40-7	4.4	27
20	The Use of Biokinetics and in Vitro Methods in Toxicological Risk Evaluation: The Report and Recommendations of ECVAM Workshop 151,2. <i>ATLA Alternatives To Laboratory Animals</i> , 1996 , 24, 473-497 ¹	2.1	24
19	Inhalation toxicokinetics of butoxyethanol and its metabolite butoxyacetic acid in the male Sprague-Dawley rat. <i>Archives of Toxicology</i> , 1994 , 68, 588-94	5.8	9
18	Urine butoxyacid acid as a therapeutic guide. <i>Journal of Toxicology: Clinical Toxicology</i> , 1993 , 31, 501-4		1
17	A physiologically based pharmacokinetic model for butadiene and its metabolite butadiene monoxide in rat and mouse and its significance for risk extrapolation. <i>Archives of Toxicology</i> , 1993 , 67, 151-63	5.8	67
16	Use of Toxicokinetics in Risk Assessment Based on In Vitro Data. <i>ATLA Alternatives To Laboratory Animals</i> , 1993 , 21, 173-180	2.1	3
15	Field Evaluation of CO ₂ Detector Tubes for Measuring Outdoor Air Supply Rate in the Indoor Environment. <i>Indoor Air</i> , 1992 , 2, 58-64	5.4	14
14	Experimental data from closed chamber gas uptake studies in rodents suggest lower uptake rate of chemical than calculated from literature values on alveolar ventilation. <i>Archives of Toxicology</i> , 1992 , 66, 291-5	5.8	56
13	New Swedish occupational standards for some organic solvents. <i>American Journal of Industrial Medicine</i> , 1991 , 19, 559-67	2.7	4
12	Gas chromatographic determination of butoxyacetic acid in human blood after exposure to 2-butoxyethanol. <i>Archives of Toxicology</i> , 1991 , 65, 433-5	5.8	26

11	Percutaneous uptake and kinetics of methyl isobutyl ketone (MIBK) in the guinea-pig. <i>Toxicology Letters</i> , 1991 , 56, 79-86	4.4	5
10	Dose-dependent kinetics of inhaled methylethylketone in man. <i>Toxicology Letters</i> , 1990 , 50, 195-201	4.4	28
9	Analysis of ethylene glycol ether metabolites in urine by extractive alkylation and electron-capture gas chromatography. <i>Archives of Toxicology</i> , 1989 , 63, 107-11	5.8	29
8	Aspects of biological monitoring of exposure to glycol ethers. <i>Toxicology Letters</i> , 1988 , 43, 5-21	4.4	27
7	Spreadsheet programming--a new approach in physiologically based modeling of solvent toxicokinetics. <i>Toxicology Letters</i> , 1988 , 41, 115-27	4.4	55
6	Influence of water on the percutaneous absorption of 2-butoxyethanol in guinea pigs. <i>Scandinavian Journal of Work, Environment and Health</i> , 1988 , 14, 95-100	4.3	37
5	Percutaneous absorption of 2-butoxyethanol in man. <i>Scandinavian Journal of Work, Environment and Health</i> , 1988 , 14, 101-9	4.3	50
4	Physiologically based pharmacokinetic modeling of inhaled 2-butoxyethanol in man. <i>Toxicology Letters</i> , 1986 , 34, 23-31	4.4	46
3	Toxicokinetics of inhaled 2-butoxyethanol (ethylene glycol monobutyl ether) in man. <i>Scandinavian Journal of Work, Environment and Health</i> , 1986 , 12, 594-602	4.3	70
2	Percutaneous uptake rate of 2-butoxyethanol in the guinea pig. <i>Scandinavian Journal of Work, Environment and Health</i> , 1986 , 12, 499-503	4.3	16
1	The effects of ethanol on the kinetics of toluene in the perfused rat liver. <i>Toxicology Letters</i> , 1985 , 26, 59-64	4.4	10