

Gunnar Johanson

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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 | Population toxicokinetic modeling of cadmium for health risk assessment. <i>Environmental Health Perspectives</i> , 2009 , 117, 1293-301 | 8.4 | 143 |
| 99 | 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 |
| 98 | 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 |
| 97 | 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 |
| 96 | Toxicity review of ethylene glycol monomethyl ether and its acetate ester. <i>Critical Reviews in Toxicology</i> , 2000 , 30, 307-45 | 5.7 | 67 |
| 95 | 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 |
| 94 | 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 |
| 93 | 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 |
| 92 | Spreadsheet programming--a new approach in physiologically based modeling of solvent toxicokinetics. <i>Toxicology Letters</i> , 1988 , 41, 115-27 | 4.4 | 55 |
| 91 | Experimental exposure to methyl tertiary-butyl ether. I. Toxicokinetics in humans. <i>Toxicology and Applied Pharmacology</i> , 1998 , 148, 274-80 | 4.6 | 53 |
| 90 | Toward a general physiologically-based pharmacokinetic model for intravenously injected nanoparticles. <i>International Journal of Nanomedicine</i> , 2016 , 11, 625-40 | 7.3 | 53 |
| 89 | Acute effects of exposure to vapours of acetic acid in humans. <i>Toxicology Letters</i> , 2006 , 165, 22-30 | 4.4 | 51 |
| 88 | Toxicokinetics of organic solvents: a review of modifying factors. <i>Critical Reviews in Toxicology</i> , 1998 , 28, 571-650 | 5.7 | 50 |
| 87 | Percutaneous absorption of 2-butoxyethanol in man. <i>Scandinavian Journal of Work, Environment and Health</i> , 1988 , 14, 101-9 | 4.3 | 50 |
| 86 | Physiologically based pharmacokinetic modeling of polyethylene glycol-coated polyacrylamide nanoparticles in rats. <i>Nanotoxicology</i> , 2014 , 8 Suppl 1, 128-37 | 5.3 | 47 |
| 85 | 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 |
| 84 | Acute effects of a fungal volatile compound. <i>Environmental Health Perspectives</i> , 2005 , 113, 1775-8 | 8.4 | 46 |

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| 83 | Physiologically based pharmacokinetic modeling of inhaled 2-butoxyethanol in man. <i>Toxicology Letters</i> , 1986 , 34, 23-31 | 4.4 | 46 |
| 82 | Biokinetics of Nanomaterials: the Role of Biopersistence. <i>NanoImpact</i> , 2017 , 6, 69-80 | 5.6 | 44 |
| 81 | 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 |
| 80 | 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 |
| 79 | 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 |
| 78 | 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 |
| 77 | Controlled Ethyl tert-Butyl Ether (ETBE) Exposure of Male Volunteers. <i>Toxicological Sciences</i> , 1998 , 46, 143-150 | 4.4 | 39 |
| 76 | 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 |
| 75 | 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 |
| 74 | 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 |
| 73 | 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 |
| 72 | 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 |
| 71 | 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 |
| 70 | Uptake and disposition of inhaled methanol vapor in humans. <i>Toxicological Sciences</i> , 2005 , 88, 30-8 | 4.4 | 33 |
| 69 | 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 |
| 68 | 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 |
| 67 | Dose-dependent kinetics of inhaled methylethylketone in man. <i>Toxicology Letters</i> , 1990 , 50, 195-201 | 4.4 | 28 |
| 66 | 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 |

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| 65 | PBPK model for butadiene metabolism to epoxides: quantitative species differences in metabolism. <i>Toxicology</i> , 1996 , 113, 40-7 | 4.4 | 27 |
| 64 | Aspects of biological monitoring of exposure to glycol ethers. <i>Toxicology Letters</i> , 1988 , 43, 5-21 | 4.4 | 27 |
| 63 | 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 |
| 62 | 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 |
| 61 | 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 |
| 60 | A compartmental model for the kinetics of mercury vapor in humans. <i>Toxicology and Applied Pharmacology</i> , 1999 , 155, 161-8 | 4.6 | 24 |
| 59 | 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 | 4.7 | 24 |
| 58 | 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 |
| 57 | 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 |
| 56 | 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 |
| 55 | 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 |
| 54 | 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 |
| 53 | Controlled Ethyl tert-Butyl Ether (ETBE) Exposure of Male Volunteers. <i>Toxicological Sciences</i> , 1998 , 46, 1-10 | 4.4 | 18 |
| 52 | Macrophage-Assisted Dissolution of Gold Nanoparticles.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 1006-1016 | 4.1 | 17 |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 |
| 48 | 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 |

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| 47 | Current modeling practice may lead to falsely high benchmark dose estimates. <i>Regulatory Toxicology and Pharmacology</i> , 2014 , 69, 171-7 | 3.4 | 15 |
| 46 | Field Evaluation of CO2 Detector Tubes for Measuring Outdoor Air Supply Rate in the Indoor Environment. <i>Indoor Air</i> , 1992 , 2, 58-64 | 5.4 | 14 |
| 45 | Uptake and disposition of 1,1-difluoroethane (HFC-152a) in humans. <i>Toxicology Letters</i> , 2012 , 209, 21-9 | 4.4 | 13 |
| 44 | Acute effects of exposure to vapors of hydrogen peroxide in humans. <i>Toxicology Letters</i> , 2012 , 212, 222-7 | 4.4 | 13 |
| 43 | Acute effects of exposure to vapours of standard and deodorized white spirits in humans. 2. Irritation and inflammation. <i>Journal of Applied Toxicology</i> , 2009 , 29, 263-74 | 4.1 | 13 |
| 42 | 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 |
| 41 | Acute effects of acrolein in human volunteers during controlled exposure. <i>Inhalation Toxicology</i> , 2015 , 27, 810-21 | 2.7 | 12 |
| 40 | 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 |
| 39 | Discrepancy among acute guideline levels for emergency response. <i>Journal of Hazardous Materials</i> , 2010 , 184, 439-447 | 12.8 | 11 |
| 38 | 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 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | Percutaneous absorption of thirty-eight organic solvents in vitro using pig skin. <i>PLoS ONE</i> , 2018 , 13, e0205458 | 10 | 10 |
| 33 | Work inside ocean freight containers—personal exposure to off-gassing chemicals. <i>Annals of Occupational Hygiene</i> , 2013 , 57, 1128-37 | | 9 |
| 32 | 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 |
| 31 | 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 |
| 30 | 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 |

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| 29 | 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 |
| 28 | 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 |
| 27 | 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 |
| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | 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 |
| 21 | 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 |
| 20 | 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 |
| 19 | Percutaneous uptake and kinetics of methyl isobutyl ketone (MIBK) in the guinea-pig. <i>Toxicology Letters</i> , 1991 , 56, 79-86 | 4.4 | 5 |
| 18 | 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 |
| 17 | 1,1-Difluoroethane Detection Time in Blood after Inhalation Abuse Estimated by Monte Carlo PBPK Modeling. <i>Pharmaceutics</i> , 2020 , 12, | 6.4 | 4 |
| 16 | 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 |
| 15 | New Swedish occupational standards for some organic solvents. <i>American Journal of Industrial Medicine</i> , 1991 , 19, 559-67 | 2.7 | 4 |
| 14 | 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 |
| 13 | 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 |
| 12 | Blood and exhaled air can be used for biomonitoring of hydrofluorocarbon exposure. <i>Toxicology Letters</i> , 2014 , 225, 102-9 | 4.4 | 3 |

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| 11 | 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 |
| 10 | Acetone 2012 , 735-752 | | 2 |
| 9 | Urine butoxyacid acid as a therapeutic guide. <i>Journal of Toxicology: Clinical Toxicology</i> , 1993 , 31, 501-4 | | 1 |
| 8 | A novel method for pre-ventilation of shipping containers. <i>International Journal of Hygiene and Environmental Health</i> , 2020 , 230, 113626 | 6.9 | 1 |
| 7 | 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 |
| 6 | 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 |
| 5 | 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 |
| 4 | 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 |
| 3 | Are asthmatics more sensitive to irritants?. <i>International Journal of Hygiene and Environmental Health</i> , 2020 , 226, 113488 | 6.9 | |
| 2 | 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 | |
| 1 | Management of bias and conflict of interest among occupational exposure limit expert groups. <i>Regulatory Toxicology and Pharmacology</i> , 2021 , 123, 104929 | 3-4 | |