Yves Alarie

List of Publications by Citations

71 papers	2,924 citations	30 h-index	53 g-index
72 ext. papers	3,134 ext. citations	4 avg, IF	4.86 L-index

#	Paper	IF	Citations
71	Toxicity of fire smoke. *Critical Reviews in Toxicology*, **2002**, 32, 259-89	5.7	324
70	Sensory irritation by airborne chemicals. *CRC Critical Reviews in Toxicology*, **1973**, 2, 299-363		291
69	Irritating properties of airborne materials to the upper respiratory tract. *Archives of Environmental Health*, **1966**, 13, 433-49		177
68	Sensory irritation of the upper airways by airborne chemicals. *Toxicology and Applied Pharmacology*, **1973**, 24, 279-97	4.6	133
67	Sensory irritation to formaldehyde and acrolein during single and repeated exposures in mice. *AIHA Journal*, **1977**, 38, 509-22		114
66	Sensory irritation, pulmonary irritation, and respiratory stimulation by airborne benzene and alkylbenzenes: prediction of safe industrial exposure levels and correlation with their thermodynamic properties. *Toxicology and Applied Pharmacology*, **1982**, 65, 459-77	4.6	109
65	Comparison of the sensory irritation response in mice to chlorine and hydrogen chloride. *Archives of Environmental Health*, **1977**, 32, 68-76		102
64	A short-term test to predict acceptable levels of exposure to airborne sensory irritants. *AIHA Journal*, **1979**, 40, 207-29		91
63	Sensory irritating potency of some microbial volatile organic compounds (MVOCs) and a mixture of five MVOCs. *Archives of Environmental Health*, **1999**, 54, 347-52		83
62	Immunologic sensitization and pulmonary hypersensitivity by repeated inhalation of aromatic isocyanates. *Toxicology and Applied Pharmacology*, **1980**, 53, 260-70	4.6	80
61	Tidal midexpiratory flow as a measure of airway hyperresponsiveness in allergic mice. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2001**, 280, L565-73	5.8	77
60	Sensory irritation: risk assessment approaches. *Regulatory Toxicology and Pharmacology*, **2007**, 48, 6-18	3.4	75
59	Sequential development of airway hyperresponsiveness and acute airway obstruction in a mouse model of allergic inflammation. *International Archives of Allergy and Immunology*, **2000**, 121, 57-67	3.7	68
58	Toxicologic classification of thermal decomposition products of synthetic and natural polymers. *Toxicology and Applied Pharmacology*, **1981**, 57, 181-8	4.6	56
57	Sensory irritation, pulmonary irritation, and acute lethality of a polymeric isocyanate and sensory irritation of 2,6-toleune diisocyanate. *Toxicology and Applied Pharmacology*, **1982**, 64, 423-30	4.6	50
56	Noninvasive measurement of midexpiratory flow indicates bronchoconstriction in allergic rats. *Journal of Applied Physiology*, **2002**, 93, 1208-14	3.7	46
55	Computer-based bioassay for evaluation of sensory irritation of airborne chemicals and its limit of detection. *Archives of Toxicology*, **1998**, 72, 277-82	5.8	45

54	An aerosol generator for the resuspension of cotton dust. *Toxicology and Applied Pharmacology*, **1984**, 76, 544-7	4.6	45
53	Characterization of the effects of an airborne mixture of chemicals on the respiratory tract and smoothing polynomial spline analysis of the data. *Archives of Toxicology*, **1995**, 69, 579-89	5.8	42
52	Inhalation Toxicity of Carbon Monoxide and Hydrogen Cyanide Gases Released During the Thermal Decomposition of Polymers. *Journal of Fire Sciences*, **1988**, 6, 195-242	1.5	40
51	Stereospecificity of the sensory irritation receptor for nonreactive chemicals illustrated by pinene enantiomers. *Archives of Toxicology*, **1998**, 72, 514-23	5.8	39
50	Sensory irritation and incapacitation evoked by thermal decomposition products of polymers and comparisons with known sensory irritants. *Archives of Environmental Health*, **1978**, 33, 79-88		39
49	Evaluation of sensory irritation from acrolein-formaldehyde mixtures. *AIHA Journal*, **1978**, 39, 270-4		38
48	Irritation of the upper airways from mixtures of cumene and n-propanol. Mechanisms and their consequences for setting industrial exposure limits. *Archives of Toxicology*, **1988**, 62, 209-15	5.8	37
47	Airborne chemical irritants. Role of the trigeminal nerve. *Archives of Environmental Health*, **1972**, 24, 37-42		37
46	Distribution and reactivity of inhaled 14C-labeled toluene diisocyanate (TDI) in rats. *Archives of Toxicology*, **1994**, 68, 434-43	5.8	36
45	Hydrogen Bonding 12. A New QSAR for Upper Respiratory Tract Irritation by Airborne Chemicals in Mice. *QSAR and Combinatorial Science*, **1990**, 9, 6-10		34
44	Sister chromatid exchange in murine alveolar macrophages, bone marrow, and regenerating liver cells induced by styrene inhalation. *Toxicology and Applied Pharmacology*, **1980**, 55, 37-42	4.6	32
43	Long-term continuous exposure to sulfur dioxide in cynomolgus monkeys. *Archives of Environmental Health*, **1972**, 24, 115-28		32
42	An attempt to define a just detectable effect for airborne chemicals on the respiratory tract in mice. *Archives of Toxicology*, **1996**, 70, 567-78	5.8	30
41	A method to rapidly evaluate the acute pulmonary effects of aerosols in unanesthetized guinea pigs. *Toxicology and Applied Pharmacology*, **1983**, 69, 451-60	4.6	28
40	Sister chromatid exchange in murine alveolar macrophages, regenerating liver and bone marrow cells--a simultaneous multicellular in vivo assay. *Chromosoma*, **1979**, 74, 51-5	2.8	27
39	Antigens which detect IgE antibodies in workers sensitive to toluene diisocyanate. *Clinical and Experimental Allergy*, **1980**, 10, 101-9	4.1	27
38	Acute airway effects of diacetyl in mice. *Inhalation Toxicology*, **2009**, 21, 1123-8	2.7	25
37	Monitoring delayed-onset pulmonary hypersensitivity in guinea pigs. *Toxicology and Applied Pharmacology*, **1981**, 61, 277-85	4.6	24

36	Ergometer within a whole-body plethysmograph to evaluate performance of guinea pigs under toxic atmospheres. *Toxicology and Applied Pharmacology*, **1989**, 101, 340-55	4.6	23
35	Pulmonary hypersensitivity to hexyl isocyanate-ovalbumin aerosol in guinea pigs. *Toxicology and Applied Pharmacology*, **1979**, 51, 73-80	4.6	23
34	A method to classify airborne chemicals which alter the normal ventilatory response induced by CO2. *Toxicology and Applied Pharmacology*, **1985**, 79, 332-41	4.6	22
33	Sister chromatid exchange in regenerating liver and bone marrow cells of mice exposed to styrene. *Toxicology and Applied Pharmacology*, **1979**, 50, 365-7	4.6	22
32	Mechanisms of Acute Inhalation Effects of (+) and(−)-Pinene in BALB/c Mice. *Basic and Clinical Pharmacology and Toxicology*, **2005**, 96, 420-428	3.1	20
31	A theoretical approach to the Ferguson principle and its use with non-reactive and reactive airborne chemicals. *Basic and Clinical Pharmacology and Toxicology*, **1998**, 83, 270-9		17
30	Multicellular in vivo sister-chromatid exchanges induced by urethane. *Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure*, **1981**, 88, 223-31		17
29	Respiratory system flow resistance with digital computer techniques. Measured in cynomolgus monkeys and guinea pigs. *Archives of Environmental Health*, **1970**, 21, 483-91		17
28	Sensory irritation mechanisms investigated from model compounds: trifluoroethanol, hexafluoroisopropanol and methyl hexafluoroisopropyl ether. *Archives of Toxicology*, **1996**, 70, 319-28	5.8	16
27	Development of methodologies to assess the relative hazards from thermal decomposition products of polymeric materials. *AIHA Journal*, **1979**, 40, 408-23		16
26	A Method to Determine the Potential Toxicity of Smoke from Burning Polymers: III. Comparison of Synthetic Polymers to Douglas Fir Using the UPitt II Flaming Combustion/Toxicity of Smoke Apparatus. *Journal of Fire Sciences*, **1991**, 9, 470-518	1.5	15
25	Whole-Body Plethysmography in Sedentary or Exercise Conditions to Determine Pulmonary Toxicity, Including Hypersensitivity Induced by Airborne Toxicants. *Journal of the American College of Toxicology*, **1990**, 9, 407-439		15
24	Concentration-dependent respiratory response of guinea pigs to paraquat aerosol. *Archives of Toxicology*, **1987**, 59, 391-6	5.8	15
23	Use of repeated CO2 challenges to evaluate the pulmonary performance of guinea pigs exposed to toluene diisocyanate. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **1985**, 15, 137-48	3.2	15
22	Long term pulmonary impairment following a single exposure to methyl isocyanate. *Toxicology and Applied Pharmacology*, **1991**, 107, 253-68	4.6	14
21	Animal assays for upper airway irritation. Screening of materials and structure-activity relations. *Annals of the New York Academy of Sciences*, **1992**, 641, 164-75	6.5	14
20	Mechanical properties of the lung in cynomolgus monkeys. Measurement with real-time digital computerization. *Archives of Environmental Health*, **1971**, 22, 643-54		14
19	Long-term continuous exposure to sulfur dioxide and fly ash mixtures in cynomolgus monkeys and guinea pigs. *Archives of Environmental Health*, **1973**, 27, 251-3		14

18	Distribution of ventilation in cynomolgus monkeys. Measurement with real-time digital computerization. *Archives of Environmental Health*, **1971**, 22, 633-42		12
17	The effects of aerosols of carbamylcholine, serotonin and propranolol on the ventilatory response to CO2 in guinea pigs and comparison with the effects of histamine and sulfuric acid. *Acta Pharmacologica Et Toxicologica*, **1985**, 56, 244-9		11
16	Evaluation of concentration-response relationships for histamine and sulfuric acid aerosols in unanesthetized guinea pigs for their effects on ventilatory response to CO2. *Toxicology and Applied Pharmacology*, **1984**, 73, 533-42	4.6	11
15	Effects of inhaled municipal refuse incinerator fly ash in the guinea pig. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **1989**, 28, 13-25	3.2	9
14	Alteration of respiratory cycle timing by propranolol. *Toxicology and Applied Pharmacology*, **1989**, 97, 538-47	4.6	9
13	Sensory irritation of select experimental photochemical oxidants. *Archives of Environmental Health*, **1978**, 33, 244-50		9
12	Irritation of the upper airways. Mechanisms and structure-activity relationships. *Euro Courses Chemical and Environmental Science*, **1992**, 99-114		7
11	Toxicity of Thermal Decomposition Products from Composites. *Journal of Fire Sciences*, **1987**, 5, 3-16	1.5	5
10	MECHANICAL PROPERTIES AND HISTAMINE AND SEROTONIN CONTENT OF GUINEA PIG LUNGS AS INFLUENCED BY MICROPARTICLES INHALATION. *Canadian Journal of Biochemistry and Physiology*, **1963**, 41, 2177-2182		3
9	The Development of a Standard Reference Material for Calibration of the University of Pittsburgh Smoke Toxicity Method for Assessing the Acute Inhalation Toxicity of Combustion Products. *Journal of Research of the National Institute of Standards and Technology*, **1992**, 97, 245-252	1.3	3
8	Toxicity of Smoke During Chair Smoldering Tests and Small Scale Tests Using the Same Materials. *Toxicological Sciences*, **1983**, 3, 619-626	4.4	2
7	MECHANICAL PROPERTIES AND HISTAMINE AND SEROTONIN CONTENT OF GUINEA PIG LUNGS AS INFLUENCED BY MICROPARTICLES INHALATION. *Canadian Journal of Biochemistry and Physiology*, **1963**, 41, 2177-2182		1
6	Comparison of the UPitt, the SwRI/NIST and the UPitt II Test Methods for Smoke Toxicity. *Journal of Fire Sciences*, **1992**, 10, 457-468	1.5	
5	Methods to evaluate the pulmonary toxicity of biological aerosols. *Aerobiologia*, **1990**, 6, 202-204	2.4	
4	Performance Evaluation under Intoxicating Atmospheres. *Toxicological Sciences*, **1987**, 8, 335-345	4.4	
3	Pulmonary Effects to Repeated Exposures to Paraquat Aerosol in Guinea Pigs. *Toxicological Sciences*, **1988**, 10, 717-729	4.4	
2	Induction of Abnormal Ventilatory Responses to CO2 and Evaluation of Agents Given to Prevent or Reverse These Responses. *Toxicological Sciences*, **1988**, 10, 506-516	4.4	
1	Evaluation of the Pulmonary Effects of HCl Using CO2 Challenges in Guinea Pigs. *Toxicological Sciences*, **1985**, 5, 978-985	4.4	