

# Yves Alarie

## 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.

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	Acute airway effects of diacetyl in mice. <i>Inhalation Toxicology</i> , <b>2009</b> , 21, 1123-8	2.7	25
70	Sensory irritation: risk assessment approaches. <i>Regulatory Toxicology and Pharmacology</i> , <b>2007</b> , 48, 6-18	3.4	75
69	Mechanisms of Acute Inhalation Effects of (+) and (-)-Pinene in BALB/c Mice. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2005</b> , 96, 420-428	3.1	20
68	Noninvasive measurement of midexpiratory flow indicates bronchoconstriction in allergic rats. <i>Journal of Applied Physiology</i> , <b>2002</b> , 93, 1208-14	3.7	46
67	Toxicity of fire smoke. <i>Critical Reviews in Toxicology</i> , <b>2002</b> , 32, 259-89	5.7	324
66	Tidal midexpiratory flow as a measure of airway hyperresponsiveness in allergic mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2001</b> , 280, L565-73	5.8	77
65	Sequential development of airway hyperresponsiveness and acute airway obstruction in a mouse model of allergic inflammation. <i>International Archives of Allergy and Immunology</i> , <b>2000</b> , 121, 57-67	3.7	68
64	Sensory irritating potency of some microbial volatile organic compounds (MVOCs) and a mixture of five MVOCs. <i>Archives of Environmental Health</i> , <b>1999</b> , 54, 347-52		83
63	A theoretical approach to the Ferguson principle and its use with non-reactive and reactive airborne chemicals. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>1998</b> , 83, 270-9		17
62	Computer-based bioassay for evaluation of sensory irritation of airborne chemicals and its limit of detection. <i>Archives of Toxicology</i> , <b>1998</b> , 72, 277-82	5.8	45
61	Stereospecificity of the sensory irritation receptor for nonreactive chemicals illustrated by pinene enantiomers. <i>Archives of Toxicology</i> , <b>1998</b> , 72, 514-23	5.8	39
60	Sensory irritation mechanisms investigated from model compounds: trifluoroethanol, hexafluoroisopropanol and methyl hexafluoroisopropyl ether. <i>Archives of Toxicology</i> , <b>1996</b> , 70, 319-28	5.8	16
59	An attempt to define a just detectable effect for airborne chemicals on the respiratory tract in mice. <i>Archives of Toxicology</i> , <b>1996</b> , 70, 567-78	5.8	30
58	Characterization of the effects of an airborne mixture of chemicals on the respiratory tract and smoothing polynomial spline analysis of the data. <i>Archives of Toxicology</i> , <b>1995</b> , 69, 579-89	5.8	42
57	Distribution and reactivity of inhaled <sup>14</sup> C-labeled toluene diisocyanate (TDI) in rats. <i>Archives of Toxicology</i> , <b>1994</b> , 68, 434-43	5.8	36
56	Comparison of the UPitt, the SwRI/NIST and the UPitt II Test Methods for Smoke Toxicity. <i>Journal of Fire Sciences</i> , <b>1992</b> , 10, 457-468	1.5	
55	Animal assays for upper airway irritation. Screening of materials and structure-activity relations. <i>Annals of the New York Academy of Sciences</i> , <b>1992</b> , 641, 164-75	6.5	14

54	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. <i>Journal of Research of the National Institute of Standards and Technology</i> , <b>1992</b> , 97, 245-252	1.3	3
53	Irritation of the upper airways. Mechanisms and structure-activity relationships. <i>Euro Courses Chemical and Environmental Science</i> , <b>1992</b> , 99-114		7
52	Long term pulmonary impairment following a single exposure to methyl isocyanate. <i>Toxicology and Applied Pharmacology</i> , <b>1991</b> , 107, 253-68	4.6	14
51	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. <i>Journal of Fire Sciences</i> , <b>1991</b> , 9, 470-518	1.5	15
50	Hydrogen Bonding 12. A New QSAR for Upper Respiratory Tract Irritation by Airborne Chemicals in Mice. <i>QSAR and Combinatorial Science</i> , <b>1990</b> , 9, 6-10		34
49	Methods to evaluate the pulmonary toxicity of biological aerosols. <i>Aerobiologia</i> , <b>1990</b> , 6, 202-204	2.4	
48	Whole-Body Plethysmography in Sedentary or Exercise Conditions to Determine Pulmonary Toxicity, Including Hypersensitivity Induced by Airborne Toxicants. <i>Journal of the American College of Toxicology</i> , <b>1990</b> , 9, 407-439		15
47	Effects of inhaled municipal refuse incinerator fly ash in the guinea pig. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>1989</b> , 28, 13-25	3.2	9
46	Alteration of respiratory cycle timing by propranolol. <i>Toxicology and Applied Pharmacology</i> , <b>1989</b> , 97, 538-47	4.6	9
45	Ergometer within a whole-body plethysmograph to evaluate performance of guinea pigs under toxic atmospheres. <i>Toxicology and Applied Pharmacology</i> , <b>1989</b> , 101, 340-55	4.6	23
44	Irritation of the upper airways from mixtures of cumene and n-propanol. Mechanisms and their consequences for setting industrial exposure limits. <i>Archives of Toxicology</i> , <b>1988</b> , 62, 209-15	5.8	37
43	Pulmonary Effects to Repeated Exposures to Paraquat Aerosol in Guinea Pigs. <i>Toxicological Sciences</i> , <b>1988</b> , 10, 717-729	4.4	
42	Induction of Abnormal Ventilatory Responses to CO <sub>2</sub> and Evaluation of Agents Given to Prevent or Reverse These Responses. <i>Toxicological Sciences</i> , <b>1988</b> , 10, 506-516	4.4	
41	Inhalation Toxicity of Carbon Monoxide and Hydrogen Cyanide Gases Released During the Thermal Decomposition of Polymers. <i>Journal of Fire Sciences</i> , <b>1988</b> , 6, 195-242	1.5	40
40	Toxicity of Thermal Decomposition Products from Composites. <i>Journal of Fire Sciences</i> , <b>1987</b> , 5, 3-16	1.5	5
39	Performance Evaluation under Intoxicating Atmospheres. <i>Toxicological Sciences</i> , <b>1987</b> , 8, 335-345	4.4	
38	Concentration-dependent respiratory response of guinea pigs to paraquat aerosol. <i>Archives of Toxicology</i> , <b>1987</b> , 59, 391-6	5.8	15
37	The effects of aerosols of carbamylcholine, serotonin and propranolol on the ventilatory response to CO <sub>2</sub> in guinea pigs and comparison with the effects of histamine and sulfuric acid. <i>Acta Pharmacologica Et Toxicologica</i> , <b>1985</b> , 56, 244-9		11

36	A method to classify airborne chemicals which alter the normal ventilatory response induced by CO <sub>2</sub> . <i>Toxicology and Applied Pharmacology</i> , <b>1985</b> , 79, 332-41	4.6	22
35	Use of repeated CO <sub>2</sub> challenges to evaluate the pulmonary performance of guinea pigs exposed to toluene diisocyanate. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>1985</b> , 15, 137-48	3.2	15
34	Evaluation of the Pulmonary Effects of HCl Using CO <sub>2</sub> Challenges in Guinea Pigs. <i>Toxicological Sciences</i> , <b>1985</b> , 5, 978-985	4.4	
33	Evaluation of concentration-response relationships for histamine and sulfuric acid aerosols in unanesthetized guinea pigs for their effects on ventilatory response to CO <sub>2</sub> . <i>Toxicology and Applied Pharmacology</i> , <b>1984</b> , 73, 533-42	4.6	11
32	An aerosol generator for the resuspension of cotton dust. <i>Toxicology and Applied Pharmacology</i> , <b>1984</b> , 76, 544-7	4.6	45
31	Toxicity of Smoke During Chair Smoldering Tests and Small Scale Tests Using the Same Materials. <i>Toxicological Sciences</i> , <b>1983</b> , 3, 619-626	4.4	2
30	A method to rapidly evaluate the acute pulmonary effects of aerosols in unanesthetized guinea pigs. <i>Toxicology and Applied Pharmacology</i> , <b>1983</b> , 69, 451-60	4.6	28
29	Sensory irritation, pulmonary irritation, and acute lethality of a polymeric isocyanate and sensory irritation of 2,6-toluene diisocyanate. <i>Toxicology and Applied Pharmacology</i> , <b>1982</b> , 64, 423-30	4.6	50
28	Sensory irritation, pulmonary irritation, and respiratory stimulation by airborne benzene and alkylbenzenes: prediction of safe industrial exposure levels and correlation with their thermodynamic properties. <i>Toxicology and Applied Pharmacology</i> , <b>1982</b> , 65, 459-77	4.6	109
27	Multicellular in vivo sister-chromatid exchanges induced by urethane. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , <b>1981</b> , 88, 223-31		17
26	Toxicologic classification of thermal decomposition products of synthetic and natural polymers. <i>Toxicology and Applied Pharmacology</i> , <b>1981</b> , 57, 181-8	4.6	56
25	Monitoring delayed-onset pulmonary hypersensitivity in guinea pigs. <i>Toxicology and Applied Pharmacology</i> , <b>1981</b> , 61, 277-85	4.6	24
24	Sister chromatid exchange in murine alveolar macrophages, bone marrow, and regenerating liver cells induced by styrene inhalation. <i>Toxicology and Applied Pharmacology</i> , <b>1980</b> , 55, 37-42	4.6	32
23	Antigens which detect IgE antibodies in workers sensitive to toluene diisocyanate. <i>Clinical and Experimental Allergy</i> , <b>1980</b> , 10, 101-9	4.1	27
22	Immunologic sensitization and pulmonary hypersensitivity by repeated inhalation of aromatic isocyanates. <i>Toxicology and Applied Pharmacology</i> , <b>1980</b> , 53, 260-70	4.6	80
21	Sister chromatid exchange in murine alveolar macrophages, regenerating liver and bone marrow cells--a simultaneous multicellular in vivo assay. <i>Chromosoma</i> , <b>1979</b> , 74, 51-5	2.8	27
20	Pulmonary hypersensitivity to hexyl isocyanate-ovalbumin aerosol in guinea pigs. <i>Toxicology and Applied Pharmacology</i> , <b>1979</b> , 51, 73-80	4.6	23
19	Sister chromatid exchange in regenerating liver and bone marrow cells of mice exposed to styrene. <i>Toxicology and Applied Pharmacology</i> , <b>1979</b> , 50, 365-7	4.6	22

18	Development of methodologies to assess the relative hazards from thermal decomposition products of polymeric materials. <i>AIHA Journal</i> , <b>1979</b> , 40, 408-23	16
17	A short-term test to predict acceptable levels of exposure to airborne sensory irritants. <i>AIHA Journal</i> , <b>1979</b> , 40, 207-29	91
16	Sensory irritation of select experimental photochemical oxidants. <i>Archives of Environmental Health</i> , <b>1978</b> , 33, 244-50	9
15	Sensory irritation and incapacitation evoked by thermal decomposition products of polymers and comparisons with known sensory irritants. <i>Archives of Environmental Health</i> , <b>1978</b> , 33, 79-88	39
14	Evaluation of sensory irritation from acrolein-formaldehyde mixtures. <i>AIHA Journal</i> , <b>1978</b> , 39, 270-4	38
13	Comparison of the sensory irritation response in mice to chlorine and hydrogen chloride. <i>Archives of Environmental Health</i> , <b>1977</b> , 32, 68-76	102
12	Sensory irritation to formaldehyde and acrolein during single and repeated exposures in mice. <i>AIHA Journal</i> , <b>1977</b> , 38, 509-22	114
11	Sensory irritation of the upper airways by airborne chemicals. <i>Toxicology and Applied Pharmacology</i> , <b>1973</b> , 24, 279-97	4.6 133
10	Long-term continuous exposure to sulfur dioxide and fly ash mixtures in cynomolgus monkeys and guinea pigs. <i>Archives of Environmental Health</i> , <b>1973</b> , 27, 251-3	14
9	Sensory irritation by airborne chemicals. <i>CRC Critical Reviews in Toxicology</i> , <b>1973</b> , 2, 299-363	291
8	Airborne chemical irritants. Role of the trigeminal nerve. <i>Archives of Environmental Health</i> , <b>1972</b> , 24, 37-42	37
7	Long-term continuous exposure to sulfur dioxide in cynomolgus monkeys. <i>Archives of Environmental Health</i> , <b>1972</b> , 24, 115-28	32
6	Mechanical properties of the lung in cynomolgus monkeys. Measurement with real-time digital computerization. <i>Archives of Environmental Health</i> , <b>1971</b> , 22, 643-54	14
5	Distribution of ventilation in cynomolgus monkeys. Measurement with real-time digital computerization. <i>Archives of Environmental Health</i> , <b>1971</b> , 22, 633-42	12
4	Respiratory system flow resistance with digital computer techniques. Measured in cynomolgus monkeys and guinea pigs. <i>Archives of Environmental Health</i> , <b>1970</b> , 21, 483-91	17
3	Irritating properties of airborne materials to the upper respiratory tract. <i>Archives of Environmental Health</i> , <b>1966</b> , 13, 433-49	177
2	MECHANICAL PROPERTIES AND HISTAMINE AND SEROTONIN CONTENT OF GUINEA PIG LUNGS AS INFLUENCED BY MICROPARTICLES INHALATION. <i>Canadian Journal of Biochemistry and Physiology</i> , <b>1963</b> , 41, 2177-2182	1
1	MECHANICAL PROPERTIES AND HISTAMINE AND SEROTONIN CONTENT OF GUINEA PIG LUNGS AS INFLUENCED BY MICROPARTICLES INHALATION. <i>Canadian Journal of Biochemistry and Physiology</i> , <b>1963</b> , 41, 2177-2182	3

