Peder Wolkoff

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Indoor air humidity, air quality, and health – An overview. International Journal of Hygiene and Environmental Health, 2018, 221, 376-390.	4.3	405
2	Organic compounds in indoor air—their relevance for perceived indoor air quality?. Atmospheric Environment, 2001, 35, 4407-4417.	4.1	297
3	Organic compounds in office environments - sensory irritation, odor, measurements and the role of reactive chemistry. Indoor Air, 2006, 16, 7-19.	4.3	277
4	Indoor air pollutants in office environments: Assessment of comfort, health, and performance. International Journal of Hygiene and Environmental Health, 2013, 216, 371-394.	4.3	241
5	Risk in cleaning: chemical and physical exposure. Science of the Total Environment, 1998, 215, 135-156.	8.0	221
6	Formation of Strong Airway Irritants in Terpene/Ozone Mixtures. Indoor Air, 2000, 10, 82-91.	4.3	216
7	Emission of Di-2-ethylhexyl Phthalate from PVC Flooring into Air and Uptake in Dust:Â Emission and Sorption Experiments in FLEC and CLIMPAQ. Environmental Science & Technology, 2004, 38, 2531-2537.	10.0	204
8	Eye complaints in the office environment: precorneal tear film integrity influenced by eye blinking efficiency. Occupational and Environmental Medicine, 2005, 62, 4-12.	2.8	194
9	Re-evaluation of the WHO (2010) formaldehyde indoor air quality guideline for cancer risk assessment. Archives of Toxicology, 2017, 91, 35-61.	4.2	191
10	Impact of air velocity, temperature, humidity, and air on long-term voc emissions from building products. Atmospheric Environment, 1998, 32, 2659-2668.	4.1	190
11	A New Method of Preparing Hydrazonyl Halides. Canadian Journal of Chemistry, 1975, 53, 1333-1335.	1.1	173
12	The dichotomy of relative humidity on indoor air quality. Environment International, 2007, 33, 850-857.	10.0	164
13	Cancer effects of formaldehyde: a proposal for an indoor air guideline value. Archives of Toxicology, 2010, 84, 423-446.	4.2	162
14	Influence of Temperature on the Emission of Di-(2-ethylhexyl)phthalate (DEHP) from PVC Flooring in the Emission Cell FLEC. Environmental Science & Technology, 2012, 46, 909-915.	10.0	158
15	Are We Measuring the Relevant Indoor Pollutants?. Indoor Air, 1997, 7, 92-106.	4.3	156
16	Assessment of indoor air quality in office buildings across Europe – The OFFICAIR study. Science of the Total Environment, 2017, 579, 169-178.	8.0	133
17	Non-cancer effects of formaldehyde and relevance for setting an indoor air guideline. Environment International, 2010, 36, 788-799.	10.0	129
18	Do indoor chemicals promote development of airway allergy?. Indoor Air, 2007, 17, 236-255.	4.3	116

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19	Chemical and biological evaluation of a reaction mixture of R-(+)-limonene/ozone. Environment International, 2001, 26, 511-522.	10.0	115
20	Dust and the Sick Building Syndrome. Indoor Air, 1994, 4, 223-238.	4.3	111
21	UPPER AIRWAY AND PULMONARY EFFECTS OF OXIDATION PRODUCTS OF (+)- α -PINENE, d -LIMONENE, AND ISOPRENE IN BALB/ c MICE. Inhalation Toxicology, 2002, 14, 663-684.	1.6	104
22	Recent trend in risk assessment of formaldehyde exposures from indoor air. Archives of Toxicology, 2013, 87, 73-98.	4.2	102
23	How to measure and evaluate volatile organic compound emissions from building products. A perspective. Science of the Total Environment, 1999, 227, 197-213.	8.0	100
24	Sensory irritation: Risk assessment approaches. Regulatory Toxicology and Pharmacology, 2007, 48, 6-18.	2.7	93
25	Health, work performance, and risk of infection in office-like environments: The role of indoor temperature, air humidity, and ventilation. International Journal of Hygiene and Environmental Health, 2021, 233, 113709.	4.3	90
26	Effects by inhalation of abundant fragrances in indoor air – An overview. Environment International, 2017, 101, 96-107.	10.0	87
27	"Healthy―eye in office-like environments. Environment International, 2008, 34, 1204-1214.	10.0	86
28	Changes in eye blink frequency as a measure of trigeminal stimulation by exposure to limonene oxidation products, isoprene oxidation products and nitrate radicals. International Archives of Occupational and Environmental Health, 2004, 77, 235-243.	2.3	84
29	Human reference values for acute airway effects of five common ozone-initiated terpene reaction products in indoor air. Toxicology Letters, 2013, 216, 54-64.	0.8	84
30	The effect on human eye blink frequency of exposure to limonene oxidation products and methacrolein. Toxicology Letters, 2005, 156, 241-251.	0.8	83
31	Ozone-initiated VOC and particle emissions from a cleaning agent and an air freshener: Risk assessment of acute airway effects. Environment International, 2014, 68, 209-218.	10.0	83
32	Formation of strong airway irritants in a model mixture of (+)-α-pinene/ozone. Atmospheric Environment, 1999, 33, 693-698.	4.1	81
33	Formation of strong airway irritants in mixtures of isoprene/ozone and isoprene/ozone/nitrogen dioxide Environmental Health Perspectives, 2001, 109, 937-941.	6.0	81
34	Ocular discomfort by environmental and personal risk factors altering the precorneal tear film. Toxicology Letters, 2010, 199, 203-212.	0.8	81
35	VOCs and aldehydes source identification in European office buildingsÂ- The OFFICAIR study. Building and Environment, 2017, 115, 18-24.	6.9	80
36	Eye irritation and environmental factors in the office environment-hypotheses, causes and a physiological model. Scandinavian Journal of Work, Environment and Health, 2003, 29, 411-430.	3.4	79

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37	Acute airway effects of formaldehyde and ozone in BALB/c mice. Human and Experimental Toxicology, 1999, 18, 400-409.	2.2	75
38	The modern office environment desiccates the eyes?. Indoor Air, 2006, 16, 258-265.	4.3	71
39	Acute airway effects of ozone-initiated d-limonene chemistry: Importance of gaseous products. Toxicology Letters, 2008, 181, 171-176.	0.8	70
40	EPHECT III: Health risk assessment of exposure to household consumer products. Science of the Total Environment, 2015, 536, 903-913.	8.0	68
41	Determination of Ozone Removal Rates by Selected Building Products Using the FLEC Emission Cell. Environmental Science & Technology, 2001, 35, 2548-2553.	10.0	67
42	Long-term Emission of Volatile Organic Compounds from Waterborne Paints - Methods of Comparison. Indoor Air, 1991, 1, 562-576.	4.3	62
43	Trends in Europe to reduce the indoor air pollution of VOCs. Indoor Air, 2003, 13, 5-11.	4.3	61
44	Upper airway irritation of terpene/ozone oxidation products (TOPS). Dependence on reaction time, relative humidity and initial ozone concentration. Toxicology Letters, 2003, 143, 109-114.	0.8	61
45	Release of VOCs and Particles During Use of Nanofilm Spray Products. Environmental Science & Technology, 2009, 43, 7824-7830.	10.0	61
46	External eye symptoms in indoor environments. Indoor Air, 2017, 27, 246-260.	4.3	61
47	On organic emissions testing from indoor consumer products' use. Journal of Hazardous Materials, 2015, 285, 37-45.	12.4	60
48	The Danish Twin Apartment Study; Part I: Formaldehyde and Long-Term VOC Measurements. Indoor Air, 1991, 1, 478-490.	4.3	58
49	Design and Characterization of the CLIMPAQ, Chamber for Laboratory Investigations of Materials, Pollution and Air Quality*. Indoor Air, 1994, 4, 56-62.	4.3	57
50	Assessment of Indoor Air Quality Problems in Office-Like Environments: Role of Occupational Health Services. International Journal of Environmental Research and Public Health, 2018, 15, 741.	2.6	56
51	Chemicals inhaled from spray cleaning and disinfection products and their respiratory effects. A comprehensive review. International Journal of Hygiene and Environmental Health, 2020, 229, 113592.	4.3	56
52	A new approach for indoor climate labeling of building materials—emission testing, modeling, and comfort evaluation. Atmospheric Environment, 1996, 30, 2679-2689.	4.1	54
53	Comparison Of Volatile Organic Compounds From Processed Paper And Toners From Office Copiers And Printers: Methods, Emission Rates, And Modeled Concentrations. Indoor Air, 1993, 3, 113-123.	4.3	53
54	Chemical and Biological Evaluation of Building Material Emissions. II. Approaches for Setting Indoor Air Standards or Guidelines for Chemicals. Indoor Air, 1997, 7, 17-32.	4.3	53

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55	Degradation of the Adsorbent Tenax TA by Nitrogen Oxides, Ozone, Hydrogen Peroxide, OH Radical, and Limonene Oxidation Products. Environmental Science & Technology, 2002, 36, 4121-4126.	10.0	53
56	Airway effects of repeated exposures to ozone-initiated limonene oxidation products as model of indoor air mixtures. Toxicology Letters, 2012, 209, 166-172.	0.8	49
57	Application of the Field and Laboratory Emission Cell "FLEC" - Performance Study, Intercomparison Study, and Case Study of Damaged Linoleum in an Office#. Indoor Air, 1995, 5, 196-203.	4.3	47
58	Effects of R-(+)-and S-(-)-limonene on the respiratory tract in mice. Human and Experimental Toxicology, 2000, 19, 457-466.	2.2	46
59	Patterns in Volatile Organic Compounds in Dust from Moldy Buildings. Indoor Air, 1997, 7, 128-134.	4.3	45
60	The effect of nitrogen dioxide on particle formation during ozonolysis of two abundant monoterpenes indoors. Atmospheric Environment, 2006, 40, 1030-1042.	4.1	44
61	Ozone-initiated Terpene Reaction Products in Five European Offices: Replacement of a Floor Cleaning Agent. Environmental Science & Technology, 2014, 48, 13331-13339.	10.0	44
62	Characterization of Linoleum. Part 1: Measurement of Volatile Organic Compounds by use of the Field and Laboratory Emission Cell, "FLEC". Indoor Air, 1995, 5, 38-43.	4.3	42
63	The mystery of dry indoor air – An overview. Environment International, 2018, 121, 1058-1065.	10.0	42
64	Characterization Of Ofice Dust By VOCs And TVOC Release - Identification Of Potential Irritant VOCs By Partial Least Squares Analysis. Indoor Air, 1993, 3, 283-290.	4.3	41
65	Sensory evaluation of emissions from selected building products exposed to ozone. Indoor Air, 2003, 13, 223-231.	4.3	41
66	Olfactory detection of ozone and d-limonene: reactants in indoor spaces. Indoor Air, 2007, 17, 337-347.	4.3	40
67	Indoor VOCs From Household Floor Dust: Comparison of Headspace with Desorbed VOCs; Method for VOC Release Determination. Indoor Air, 1994, 4, 248-254.	4.3	39
68	Characterization of Linoleum. Part 2: Preliminary Odor Evaluation. Indoor Air, 1995, 5, 44-49.	4.3	39
69	Generation and Characterization of Indoor Fungal Aerosols for Inhalation Studies. Applied and Environmental Microbiology, 2016, 82, 2479-2493.	3.1	39
70	Limonene and its ozone-initiated reaction products attenuate allergic lung inflammation in mice. Journal of Immunotoxicology, 2016, 13, 793-803.	1.7	39
71	Indoor gaseous air pollutants determinants in office buildings—The OFFICAIR project. Indoor Air, 2020, 30, 76-87.	4.3	39
72	Lung Damage in Mice after Inhalation of Nanofilm Spray Products: The Role of Perfluorination and Free Hydroxyl Groups. Toxicological Sciences, 2010, 116, 216-224.	3.1	38

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73	Fragmentations of alkane molecular ions. Journal of the American Chemical Society, 1978, 100, 7346-7352.	13.7	37
74	Sensory and chemical evaluation of odorous emissions from building products with and without linseed oil. Building and Environment, 2007, 42, 4059-4067.	6.9	37
75	Ocular surface area and human eye blink frequency during VDU work: the effect of monitor position and task. European Journal of Applied Physiology, 2008, 103, 1-7.	2.5	34
76	Pollutant exposures and health symptoms in aircrew and office workers: Is there a link?. Environment International, 2016, 87, 74-84.	10.0	32
77	Indoor air chemistry: Terpene reaction products and airway effects. International Journal of Hygiene and Environmental Health, 2020, 225, 113439.	4.3	32
78	Dehydrobromination of secondary and tertiary alkyl and cycloalkyl bromides with 1,8-diazabicyclo[5.4.0]undec-7-ene. Synthetic applications. Journal of Organic Chemistry, 1982, 47, 1944-1948.	3.2	31
79	Secondary limonene endo-ozonide: A major product from gas-phase ozonolysis of R-(+)-limonene at ambient temperature. Atmospheric Environment, 2006, 40, 3460-3466.	4.1	31
80	Problems of the "Outer Eyes―in the Office Environment. Journal of Occupational and Environmental Medicine, 2012, 54, 621-631.	1.7	31
81	Effect of Renovating an Office Building on Occupants' Comfort and Health. Indoor Air, 2001, 11, 10-25.	4.3	30
82	A Study of Human Reactions to Emissions from Building Materials in Climate Chambers. Part II: VOC Measurements, Mouse Bioassay, and Decipol Evaluation in the 1-2 mg/m3 TVOC Range. Indoor Air, 1991, 1, 389-403.	4.3	29
83	Linear alkylbenzene sulfonates in indoor floor dust. Science of the Total Environment, 2002, 300, 51-58.	8.0	29
84	Evaluation of airborne sensory irritants for setting exposure limits or guidelines: A systematic approach. Regulatory Toxicology and Pharmacology, 2017, 90, 308-317.	2.7	29
85	Formation and stability of secondary ozonides from monoterpenes studied by mass spectrometry. Chemosphere, 2009, 76, 572-577.	8.2	28
86	Reactive indoor air chemistry and health—A workshop summary. International Journal of Hygiene and Environmental Health, 2017, 220, 1222-1229.	4.3	28
87	lsomeric cyclic [C6H10]+• ions. The energy barrier to ring opening. Canadian Journal of Chemistry, 1979, 57, 348-354.	1.1	27
88	The loss of C2H2O and of C3H4O from the molecular ions of 3-phenylpropanal as studied by field ionization kinetics. Isomerization of the molecular ions of 3-phenyl-2-propen-1-ol. Journal of the American Chemical Society, 1978, 100, 541-545.	13.7	26
89	On-line analysis of secondary ozonides from cyclohexene and d-limonene ozonolysis using atmospheric sampling townsend discharge ionization mass spectrometry. Atmospheric Environment, 2007, 41, 8345-8354.	4.1	26
90	New Directions: Where is the link between reactive indoor air chemistry and health effects?. Atmospheric Environment, 2009, 43, 3808-3809.	4.1	26

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91	Study of Ozone-Initiated Limonene Reaction Products by Low Temperature Plasma Ionization Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2013, 24, 1090-1096.	2.8	26
92	Documentation Of Field And Laboratory Emission Cell "FLEC": Identification Of Emission Processes From Carpet, Linoleum, Paint, And Sealant By Modeling. Indoor Air, 1993, 3, 291-297.	4.3	23
93	Isomerization of alkane molecular ions. Journal of the American Chemical Society, 1982, 104, 2879-2884.	13.7	22
94	A Study of Human Reactions to Emissions from Building Materials in Climate Chambers. Part I: Clinical Data, Performance and Comfort. Indoor Air, 1991, 1, 377-388.	4.3	22
95	Electron impact induced fragmentations mimicking retro-1,3-dipolar cycloadditions. Journal of Organic Chemistry, 1972, 37, 3965-3966.	3.2	21
96	Pulmonary Toxicity of Perfluorinated Silane-Based Nanofilm Spray Products: Solvent Dependency. Toxicological Sciences, 2014, 137, 179-188.	3.1	21
97	Eavaluation of automatic thermal desorption-capillary GC for determination of semivolatile organic compounds (SVOCS) in indoor air. Journal of High Resolution Chromatography, 1997, 20, 99-108.	1.4	20
98	Gas chromatographic analysis of free fatty acids and fatty acid salts extracted with neutral and acidified dichloromethane from office floor dust. Journal of Chromatography A, 1998, 814, 161-170.	3.7	20
99	Dry eye symptoms in offices and deteriorated work performance – A perspective. Building and Environment, 2020, 172, 106704.	6.9	20
100	Use of thermal desorption gas chromatography–olfactometry/mass spectrometry for the comparison of identified and unidentified odor active compounds emitted from building products containing linseed oil. Journal of Chromatography A, 2008, 1210, 203-211.	3.7	19
101	Pulmonary toxicity following exposure to a tile coating product containing alkylsiloxanes. A clinical and toxicological evaluation. Clinical Toxicology, 2014, 52, 498-505.	1.9	19
102	Health-Related Evaluation of Building Products based on Climate Chamber Tests. Indoor Air, 1994, 4, 146-153.	4.3	18
103	Adjuvant and Inflammatory Effects in Mice After Subchronic Inhalation of Allergen and Ozone-Initiated Limonene Reaction Products. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2013, 76, 1085-1095.	2.3	18
104	Acute airway effects of airborne formaldehyde in sensitized and non-sensitized mice housed in a dry or humid environment. Toxicology and Applied Pharmacology, 2013, 268, 294-299.	2.8	18
105	The impact of information on perceived air quality ??organic? vs. ?synthetic? building materials. Indoor Air, 2007, 17, 130-134.	4.3	17
106	Airway-irritating effect of carbonless copy paper examined by the sensory irritation test in mice. Environment International, 1988, 14, 43-48.	10.0	16
107	The Danish Twin Apartment Study - Part II: Mathematical modeling of the relative strength of sources of indoor air pollution. Indoor Air, 1996, 6, 18-30.	4.3	16
108	Secondary ozonides of substituted cyclohexenes: A new class of pollutants characterized by collision-induced dissociation mass spectrometry using negative chemical ionization. Chemosphere, 2008, 70, 2032-2038.	8.2	15

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109	Asthmaâ€inducing potential of 28 substances in spray cleaning products—Assessed by quantitative structure activity relationship (QSAR) testing and literature review. Journal of Applied Toxicology, 2022, 42, 130-153.	2.8	14
110	The mass spectrometry of 1,3,4-thiadiazolines. Organic Mass Spectrometry, 1974, 9, 181-188.	1.3	13
111	Formation of ozone-initiated VOCs and secondary organic aerosol following application of a carpet deodorizer. Atmospheric Environment, 2020, 222, 117149.	4.1	13
112	Proposal of methods for developing healthy building materials: Laboratory and field experiments. Environmental Technology (United Kingdom), 1990, 11, 327-338.	2.2	12
113	Ventilation, CO ₂ Production, and CO ₂ Exposure Effects in Conscious, Restrained CFâ€I Mice. Basic and Clinical Pharmacology and Toxicology, 1993, 72, 163-168.	0.0	12
114	Chemical and Biological Evaluation of Building Material Emissions. I. A Screening Procedure based on a Closed Emission System*. Indoor Air, 1997, 7, 8-16.	4.3	12
115	Some guides for measurements of volatile organic compounds indoors. Environmental Technology (United Kingdom), 1990, 11, 339-344.	2.2	11
116	The behavior of C6H14+· ions. International Journal of Mass Spectrometry and Ion Physics, 1983, 47, 343-346.	1.3	10
117	Guest Editorial. Indoor Air, 2006, 16, 4-6.	4.3	10
118	Characterization of nanofilm spray products by mass spectrometry. Chemosphere, 2010, 80, 1377-1386.	8.2	10
119	Biocidal spray product exposure: Measured gas, particle, and surface concentrations compared with spray model simulations. Journal of Occupational and Environmental Hygiene, 2020, 17, 15-29.	1.0	10
120	Cope and 1,3-allylic rearrangements and ring closure of the 1,5-hexadiene radical cation prior to decomposition in the gas phase. Journal of Organic Chemistry, 1982, 47, 3342-3344.	3.2	8
121	Secondary ozonides of endo-cyclic alkenes analyzed by atmospheric sampling Townsend discharge ionization mass spectrometry. International Journal of Mass Spectrometry, 2007, 263, 88-93.	1.5	8
122	Atmospheric sampling Townsend discharge ionization mass spectrometry for analysis of gas-phase mixtures. International Journal of Mass Spectrometry, 2007, 260, 49-56.	1.5	8
123	Ozone reaction characteristics of indoor floor dust examined in the emission cell "FLECâ€. Chemosphere, 2014, 107, 230-239.	8.2	8
124	Pulmonary injury associated with spray of a water-based nano-sized waterproofing product: a case study. Journal of Occupational Medicine and Toxicology, 2017, 12, 33.	2.2	8
125	Routes to N-Aryl-N′-thioaroylhydrazines and Related sym- and unsym-Hydrazonyl Sulfides, and a Note on the So-called N-Phenyl-N′-thiobenzoyldiimide. Canadian Journal of Chemistry, 1974, 52, 879-883.	1.1	7
126	Nebulization ionization and desorption ionization analysis of reactive organofunctionalized silanes in nanofilm products. Journal of Mass Spectrometry, 2011, 46, 402-410.	1.6	5

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127	Professional cleaning and risk of asthma – a Danish nationwide register-based study. Scandinavian Journal of Work, Environment and Health, 2022, 48, 127-136.	3.4	5
128	The mass spectra of some simple phenylhydrazides and a re-examination of the fragmentations of phenylhydrazine. Organic Mass Spectrometry, 1976, 11, 375-382.	1.3	4
129	Volatile organic compounds and indoor air. Journal of Allergy and Clinical Immunology, 1994, 94, 296-303.	2.9	4
130	Complete isomerization of the molecular ion of 1,3,5-trimethyl-2,4,6-trithian to that of 3,5,6-trimethyl-1,2,4-trithian before decomposition in the gas phase. Organic Mass Spectrometry, 1978, 13, 338-340.	1.3	3
131	The possible role of TVOC in the indoor environment. Comments on "The effect of ventilation and air pollution on perceived indoor air quality in five town hallsâ€. Energy and Buildings, 1991, 17, 253-254.	6.7	3
132	Corrigendum to "Human reference values for acute airway effects of five common ozone-initiated terpene reaction products in indoor air―[Toxicol. Lett. 216 (2013) 54–64]. Toxicology Letters, 2014, 225, 498.	0.8	3
133	Fragmentation paths ofO- andS-phenylN-phenylbenzohydrazonates, and the isomericN,N-diphenylbenzohydrazides upon electron impact. Organic Mass Spectrometry, 1976, 11, 394-397.	1.3	1
134	The dichotomy of methyl loss from 2-methylalkane molecular ions. Organic Mass Spectrometry, 1985, 20, 14-17.	1.3	1
135	Toluene in Rotogravure Printed Brochures: High Speed Emission Testing and Comparison with Exposure Data. Journal of Occupational and Environmental Hygiene, 1996, 11, 1055-1063.	0.4	1
136	The importance of measuring metastable peak shapes and in conjunction with d-labeling. International Journal of Mass Spectrometry and Ion Physics, 1983, 47, 89-92.	1.3	0
137	Comment on: "Human symptom responses to bioeffluents, short-chain carbonyl/acids and long-chain carbonyls in a simulated aircraft cabin environment―by Weisel etÂal., Indoor Air (2017). Indoor Air, 2017, 27, 1224-1225.	4.3	0
138	Comment on "Differential Health Effects of Constant and Intermittent Exposure to Formaldehyde in Mice: Implications for Building Ventilation Strategies― Environmental Science & Technology, 2018, 52, 3320-3321.	10.0	0
139	Comments to "Assessment of formaldehyde levels in relation to respiratory and allergic symptoms in children from Alba County schools, Romania―by Neamtiu et al. (2019). Environmental Monitoring and Assessment, 2019, 191, 682.	2.7	0