

Mark Nicas

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

2,442
citations

236833

25
h-index

214721

47
g-index

64
all docs

64
docs citations

64
times ranked

1995
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating Exposure Intensity Based on Odor. <i>Annals of Work Exposures and Health</i> , 2022, 66, 808-814.	0.6	2
2	Estimating residential air exchange rates in rural Bangladesh using a near field-far field model. <i>Building and Environment</i> , 2021, 206, 108325.	3.0	4
3	A point-source outbreak of <i>Coccidioidomycosis</i> among a highway construction crew. <i>Journal of Occupational and Environmental Hygiene</i> , 2018, 15, 57-62.	0.4	14
4	Occupational <i>Coccidioidomycosis</i> in a heavy equipment operator. <i>Journal of Occupational and Environmental Hygiene</i> , 2018, 15, 841-846.	0.4	4
5	Comment from the Editor-in-Chief on the Letter to the Editor from Larry Janssen and Roy McKay representing the AIHA Respiratory Protection Committee. <i>Journal of Occupational and Environmental Hygiene</i> , 2017, 14, D184-D184.	0.4	1
6	The near field/far field model with constant application of chemical mass and exponentially decreasing emission of the mass applied. <i>Journal of Occupational and Environmental Hygiene</i> , 2016, 13, 519-528.	0.4	18
7	Experimental Evaluation of a Markov Multizone Model of Particulate Contaminant Transport. <i>Annals of Occupational Hygiene</i> , 2014, 58, 1032-45.	1.9	6
8	Benchmarking of a Markov Multizone Model of Contaminant Transport. <i>Annals of Occupational Hygiene</i> , 2014, 58, 1018-31.	1.9	5
9	Authors'™ response to Comments on Petty et al.(2011), "A Quantitative Method for Estimating Dermal Benzene Absorption from Benzene-Containing Hydrocarbon Liquids," <i>IJOEH</i> , 17:287-300 by Pamela R.D. Williams, Jennifer Sahmel, Annette L. Bunge, Jeffrey Knutsen, and John Spencer. <i>International Journal of Occupational and Environmental Health</i> , 2013, 19, 147-154.	1.2	1
10	A Quantitative Method for Estimating Dermal Benzene Absorption from Benzene-containing Hydrocarbon Liquids. <i>International Journal of Occupational and Environmental Health</i> , 2011, 17, 287-300.	1.2	4
11	Informing Optimal Environmental Influenza Interventions: How the Host, Agent, and Environment Alter Dominant Routes of Transmission. <i>PLoS Computational Biology</i> , 2010, 6, e1000969.	1.5	59
12	Experimental Determination of Supermicrometer Particle Fate Subsequent to a Point Release within a Room under Natural and Forced Mixing. <i>Aerosol Science and Technology</i> , 2009, 43, 921-938.	1.5	9
13	Characterizing the Risk of Infection from <i>Mycobacterium tuberculosis</i> in Commercial Passenger Aircraft Using Quantitative Microbial Risk Assessment. <i>Risk Analysis</i> , 2009, 29, 355-365.	1.5	34
14	Relative Contributions of Four Exposure Pathways to Influenza Infection Risk. <i>Risk Analysis</i> , 2009, 29, 1292-1303.	1.5	161
15	Letter to the Editor. <i>Journal of Occupational and Environmental Hygiene</i> , 2009, 6, D69-D71.	0.4	3
16	A Study Quantifying the Hand-to-Face Contact Rate and Its Potential Application to Predicting Respiratory Tract Infection. <i>Journal of Occupational and Environmental Hygiene</i> , 2008, 5, 347-352.	0.4	239
17	Predicting Benzene Vapor Concentrations with a Near Field/Far Field Model. <i>Journal of Occupational and Environmental Hygiene</i> , 2008, 5, 599-608.	0.4	28
18	Estimating Benzene Exposure at a Solvent Parts Washer. <i>Journal of Occupational and Environmental Hygiene</i> , 2006, 3, 284-291.	0.4	43

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19	The Infectious Dose of <i>Coxiella Burnetii</i> (Q Fever). <i>Applied Biosafety</i> , 2006, 11, 32-41.	0.2	41
20	An Integrated Model of Infection Risk in a Health-Care Environment. <i>Risk Analysis</i> , 2006, 26, 1085-1096.	1.5	112
21	The Infectious Dose of <i>Francisella Tularensis</i> (Tularemia). <i>Applied Biosafety</i> , 2005, 10, 227-239.	0.2	45
22	Toward Understanding the Risk of Secondary Airborne Infection: Emission of Respirable Pathogens. <i>Journal of Occupational and Environmental Hygiene</i> , 2005, 2, 143-154.	0.4	671
23	Variability in Respiratory Protection and the Assigned Protection Factor. <i>Journal of Occupational and Environmental Hygiene</i> , 2004, 1, 99-109.	0.4	33
24	Respiratory Protection Against <i>Mycobacterium tuberculosis</i> : Quantitative Fit Test Outcomes for Five Type N95 Filtering-Facepiece Respirators. <i>Journal of Occupational and Environmental Hygiene</i> , 2004, 1, 22-28.	0.4	62
25	The Infectious Dose of Variola (Smallpox) Virus. <i>Applied Biosafety</i> , 2004, 9, 118-127.	0.2	27
26	Using mathematical models to estimate exposure to workplace air contaminants. <i>Chemical Health & Safety American Chemical Society, Division of Chemical Health and Safety</i> , 2003, 10, 14-21.	0.1	17
27	Predicting Room Vapor Concentrations Due to Spills of Organic Solvents. <i>AIHA Journal: A Journal for the Science of Occupational and Environmental Health and Safety</i> , 2003, 64, 445-454.	0.4	39
28	Using a Spreadsheet to Compute Contaminant Exposure Concentrations Given a Variable Emission Rate. <i>AIHA Journal: A Journal for the Science of Occupational and Environmental Health and Safety</i> , 2003, 64, 368-375.	0.4	13
29	Estimating Methyl Bromide Exposure Due to Offgassing from Fumigated Commodities. <i>Journal of Occupational and Environmental Hygiene</i> , 2003, 18, 200-210.	0.5	18
30	Computer Implementation of Mathematical Exposure Modeling. <i>Journal of Occupational and Environmental Hygiene</i> , 2003, 18, 566-571.	0.5	8
31	A Risk Analysis Approach to Selecting Respiratory Protection Against Airborne Pathogens Used for Bioterrorism. <i>AIHA Journal: A Journal for the Science of Occupational and Environmental Health and Safety</i> , 2003, 64, 95-101.	0.4	12
32	Uncertainty in Exposure Estimates Made by Modeling Versus Monitoring. <i>AIHA Journal: A Journal for the Science of Occupational and Environmental Health and Safety</i> , 2002, 63, 275-283.	0.4	31
33	A Risk Analysis for Airborne Pathogens with Low Infectious Doses: Application to Respirator Selection Against <i>Coccidioides immitis</i> Spores. <i>Risk Analysis</i> , 2002, 22, 1153-1163.	1.5	26
34	Task-Specific Lead Exposure During Residential Lead Hazard Reduction Projects. <i>Journal of Occupational and Environmental Hygiene</i> , 2001, 16, 671-678.	0.5	8
35	Modeling Turbulent Diffusion and Advection of Indoor Air Contaminants by Markov Chains. <i>AIHAJ: A Journal for the Science of Occupational and Environmental Health and Safety</i> , 2001, 62, 149-158.	0.4	14
36	Regulating the Risk of Tuberculosis Transmission Among Health Care Workers. <i>AIHAJ: A Journal for the Science of Occupational and Environmental Health and Safety</i> , 2000, 61, 334-339.	0.4	4

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37	Markov Modeling of Contaminant Concentrations in Indoor Air. AIHAJ: A Journal for the Science of Occupational and Environmental Health and Safety, 2000, 61, 484-491.	0.4	27
38	Tuberculosis Isolation Comparison of Written Procedures and Actual Practices in Three California Hospitals. Infection Control and Hospital Epidemiology, 2000, 21, 28-32.	1.0	30
39	Markov Modeling of Contaminant Concentrations in Indoor Air. AIHA Journal, 2000, 61, 484-491.	0.4	33
40	A Multi-Zone Model Evaluation of the Efficacy of Upper-Room Air Ultraviolet Germicidal Irradiation. Journal of Occupational and Environmental Hygiene, 1999, 14, 317-328.	0.5	50
41	Is a Tuberculosis Exposure a Tuberculosis Exposure If No One Is Infected?. Infection Control and Hospital Epidemiology, 1999, 20, 92-94.	1.0	6
42	Framework for Evaluating Measures to Control Nosocomial Tuberculosis Transmission. Indoor Air, 1998, 8, 205-218.	2.0	50
43	A Risk/Cost Analysis of Alternative Screening Intervals for Occupational Tuberculosis Infection. AIHA Journal, 1998, 59, 104-112.	0.4	4
44	The Effect of Concentration Gradients on Deducing a Contaminant Generation Rate Function. AIHA Journal, 1998, 59, 680-688.	0.4	8
45	Evaluating the Control of Tuberculosis among Healthcare Workers: Adherence to CDC Guidelines of Three Urban Hospitals in California. Infection Control and Hospital Epidemiology, 1998, 19, 487-493.	1.0	22
46	Assessing the Relative Importance of the Components of an Occupational Tuberculosis Control Program. Journal of Occupational and Environmental Medicine, 1998, 40, 648-654.	0.9	7
47	A Simulation Model for Occupational Tuberculosis Transmission. Risk Analysis, 1997, 17, 609-616.	1.5	3
48	Refining a Risk Model for Occupational Tuberculosis Transmission. AIHA Journal, 1996, 57, 16-22.	0.4	21
49	Estimating Exposure Intensity in an Imperfectly Mixed Room. AIHA Journal, 1996, 57, 542-550.	0.4	115
50	An Analytical Framework for Relating Dose, Risk, and Incidence: An Application to Occupational Tuberculosis Infection. Risk Analysis, 1996, 16, 527-538.	1.5	34
51	Refining a Risk Model for Occupational Tuberculosis Transmission. AIHA Journal, 1996, 57, 16-22.	0.4	3
52	Respiratory protection and the risk of Mycobacterium tuberculosis infection. American Journal of Industrial Medicine, 1995, 27, 317-333.	1.0	44
53	Modeling Respirator Penetration Values with the Beta Distribution: An Application to Occupational Tuberculosis Transmission. AIHA Journal, 1994, 55, 515-524.	0.4	14
54	Isolation Rooms for Tuberculosis Control. Infection Control and Hospital Epidemiology, 1993, 14, 619-622.	1.0	15

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55	A TASK-BASED STATISTICAL MODEL OF A WORKER'S EXPOSURE DISTRIBUTION: PART Iâ€™ DESCRIPTION OF THE MODEL. AIHA Journal, 1993, 54, 211-220.	0.4	42
56	A TASK-BASED STATISTICAL MODEL OF A WORKER'S EXPOSURE DISTRIBUTION: PART IIâ€™ APPLICATION TO SAMPLING STRATEGY. AIHA Journal, 1993, 54, 221-227.	0.4	26
57	A PROBABILITY MODEL FOR ASSESSING EXPOSURE AMONG RESPIRATOR WEARERS: PART Iâ€™ DESCRIPTION OF THE MODEL. AIHA Journal, 1992, 53, 411-418.	0.4	9
58	A PROBABILITY MODEL FOR ASSESSING EXPOSURE AMONG RESPIRATOR WEARERS: PART IIâ€™ OVEREXPOSURE TO CHRONIC VERSUS ACUTE TOXICANTS. AIHA Journal, 1992, 53, 419-426.	0.4	2
59	Application of Mathematical Modeling for Ethylene Oxide Exposure Assessment. Journal of Occupational and Environmental Hygiene, 1992, 7, 744-748.	0.5	6
60	A Probability Model for Assessing Exposure among Respirator Wearers: Part Iâ€™ Description of the Model. AIHA Journal, 1992, 53, 411-418.	0.4	7
61	ENVIRONMENTAL VERSUS ANALYTICAL VARIABILITY IN EXPOSURE MEASUREMENTS. AIHA Journal, 1991, 52, 553-557.	0.4	44
62	Estimating Exposure Intensity in an Imperfectly Mixed Room. , 0, .		1