Andrea R Ferro

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1013715/publications.pdf

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20 papers	1,194 citations	687363 13 h-index	794594 19 g-index
20 all docs	20 docs citations	20 times ranked	1260 citing authors

#	Article	IF	Citations
1	Source Strengths for Indoor Human Activities that Resuspend Particulate Matter. Environmental Science & Technology, 2004, 38, 1759-1764.	10.0	315
2	Walking-induced particle resuspension in indoor environments. Atmospheric Environment, 2014, 89, 464-481.	4.1	226
3	Resuspension of Dust Particles in a Chamber and Associated Environmental Factors. Aerosol Science and Technology, 2008, 42, 566-578.	3.1	157
4	Estimating Hourly Concentrations of PM2.5 across a Metropolitan Area Using Low-Cost Particle Monitors. Sensors, 2017, 17, 1922.	3.8	71
5	Monte Carlo simulation of micron size spherical particle removal and resuspension from substrate under fluid flows. Journal of Aerosol Science, 2013, 66, 62-71.	3.8	68
6	Particle Detachment, Resuspension and Transport Due to Human Walking in Indoor Environments. Journal of Adhesion Science and Technology, 2008, 22, 591-621.	2.6	61
7	Outdoor Versus Indoor Contributions to Indoor Particulate Matter (PM) Determined by Mass Balance Methods. Journal of the Air and Waste Management Association, 2004, 54, 1188-1196.	1.9	55
8	Hourly land-use regression models based on low-cost PM monitor data. Environmental Research, 2018, 167, 7-14.	7.5	45
9	Wind tunnel study and numerical simulation of dust particle resuspension from indoor surfaces in turbulent flows. Journal of Adhesion Science and Technology, 2013, 27, 1563-1579.	2.6	44
10	Ten questions concerning the implications of carpet on indoor chemistry and microbiology. Building and Environment, 2020, 170, 106589.	6.9	40
11	A Model for Removal of Compact, Rough, Irregularly Shaped Particles from Surfaces in Turbulent Flows. Journal of Adhesion, 2012, 88, 766-786.	3.0	35
12	Overview of mechanistic particle resuspension models: comparison with compilation of experimental data. Journal of Adhesion Science and Technology, 2019, 33, 2631-2660.	2.6	20
13	A model for particle removal from surfaces with large-scale roughness in turbulent flows. Aerosol Science and Technology, 2020, 54, 291-303.	3.1	19
14	An evaluation of the impact of flooring types on exposures to fine and coarse particles within the residential micro-environment using CONTAM. Journal of Exposure Science and Environmental Epidemiology, 2016, 26, 86-94.	3.9	10
15	Variability in expiratory trajectory angles during consonant production by one human subject and from a physical mouth model: Application to respiratory droplet emission. Indoor Air, 2021, 31, 1896-1912.	4.3	8
16	Particle Detachment from Rough Surfaces in Turbulent Flows: An Analytical Expression for Resuspension Fraction. Particulate Science and Technology, 2015, 33, 539-545.	2.1	6
17	Characterizing respiratory aerosol emissions during sustained phonation. Journal of Exposure Science and Environmental Epidemiology, 2022, 32, 689-696.	3.9	6
18	Spatial Measurements of Ultrafine Particles Using an Engine Exhaust Particle Sizer^{TM}within a Local Community Downwind of a Major International Trade Bridge in Buffalo, New York. Aerosol Science and Technology, 2010, 44, 1096-1104.	3.1	5

#	Article	IF	Citations
19	On the variation of fricative airflow dynamics with vocal tract geometry and speech loudness. Aerosol Science and Technology, 2022, 56, 446-460.	3.1	2
20	Resuspension. , 2022, , 1-18.		1