

Andrea R Ferro

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Characterizing respiratory aerosol emissions during sustained phonation. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2022, 32, 689-696. | 3.9 | 6 |
| 2 | On the variation of fricative airflow dynamics with vocal tract geometry and speech loudness. <i>Aerosol Science and Technology</i> , 2022, 56, 446-460. | 3.1 | 2 |
| 3 | Resuspension. , 2022, , 1-18. | | 1 |
| 4 | Variability in expiratory trajectory angles during consonant production by one human subject and from a physical mouth model: Application to respiratory droplet emission. <i>Indoor Air</i> , 2021, 31, 1896-1912. | 4.3 | 8 |
| 5 | Ten questions concerning the implications of carpet on indoor chemistry and microbiology. <i>Building and Environment</i> , 2020, 170, 106589. | 6.9 | 40 |
| 6 | A model for particle removal from surfaces with large-scale roughness in turbulent flows. <i>Aerosol Science and Technology</i> , 2020, 54, 291-303. | 3.1 | 19 |
| 7 | Overview of mechanistic particle resuspension models: comparison with compilation of experimental data. <i>Journal of Adhesion Science and Technology</i> , 2019, 33, 2631-2660. | 2.6 | 20 |
| 8 | Hourly land-use regression models based on low-cost PM monitor data. <i>Environmental Research</i> , 2018, 167, 7-14. | 7.5 | 45 |
| 9 | Estimating Hourly Concentrations of PM2.5 across a Metropolitan Area Using Low-Cost Particle Monitors. <i>Sensors</i> , 2017, 17, 1922. | 3.8 | 71 |
| 10 | An evaluation of the impact of flooring types on exposures to fine and coarse particles within the residential micro-environment using CONTAM. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2016, 26, 86-94. | 3.9 | 10 |
| 11 | Particle Detachment from Rough Surfaces in Turbulent Flows: An Analytical Expression for Resuspension Fraction. <i>Particulate Science and Technology</i> , 2015, 33, 539-545. | 2.1 | 6 |
| 12 | Walking-induced particle resuspension in indoor environments. <i>Atmospheric Environment</i> , 2014, 89, 464-481. | 4.1 | 226 |
| 13 | Monte Carlo simulation of micron size spherical particle removal and resuspension from substrate under fluid flows. <i>Journal of Aerosol Science</i> , 2013, 66, 62-71. | 3.8 | 68 |
| 14 | Wind tunnel study and numerical simulation of dust particle resuspension from indoor surfaces in turbulent flows. <i>Journal of Adhesion Science and Technology</i> , 2013, 27, 1563-1579. | 2.6 | 44 |
| 15 | A Model for Removal of Compact, Rough, Irregularly Shaped Particles from Surfaces in Turbulent Flows. <i>Journal of Adhesion</i> , 2012, 88, 766-786. | 3.0 | 35 |
| 16 | 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. <i>Aerosol Science and Technology</i> , 2010, 44, 1096-1104. | 3.1 | 5 |
| 17 | Particle Detachment, Resuspension and Transport Due to Human Walking in Indoor Environments. <i>Journal of Adhesion Science and Technology</i> , 2008, 22, 591-621. | 2.6 | 61 |
| 18 | Resuspension of Dust Particles in a Chamber and Associated Environmental Factors. <i>Aerosol Science and Technology</i> , 2008, 42, 566-578. | 3.1 | 157 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Source Strengths for Indoor Human Activities that Resuspend Particulate Matter. Environmental Science & Technology, 2004, 38, 1759-1764. | 10.0 | 315 |
| 20 | 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 |