Yannis Drossinos

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6252434/publications.pdf

Version: 2024-02-01

		471509	395702
36	1,171	17	33
papers	citations	h-index	g-index

36	36	36	1167
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Slip-flow heat transfer in circular tubes. International Journal of Heat and Mass Transfer, 2000, 43, 2669-2680.	4.8	138
2	A metric for health effects studies of diesel exhaust particles. Journal of Aerosol Science, 2009, 40, 639-651.	3.8	114
3	Dynamics of infectious disease transmission by inhalable respiratory droplets. Journal of the Royal Society Interface, 2010, 7, 1355-1366.	3.4	103
4	Calibration of Condensation Particle Counters for Legislated Vehicle Number Emission Measurements. Aerosol Science and Technology, 2009, 43, 1164-1173.	3.1	79
5	Size-distribution dependent lung deposition of diesel exhaust particles. Journal of Aerosol Science, 2009, 40, 652-663.	3.8	79
6	What aerosol physics tells us about airborne pathogen transmission. Aerosol Science and Technology, 2020, 54, 639-643.	3.1	70
7	Regulating particle number measurements from the tailpipe of light-duty vehicles: The next step?. Environmental Research, 2019, 172, 1-9.	7.5	68
8	The effect of particle chemical composition on the activation probability in n-butanol condensation particle counters. Journal of Aerosol Science, 2011, 42, 20-37.	3.8	45
9	Thermophoretic Deposition in Tube Flow. Aerosol Science and Technology, 2005, 39, 304-318.	3.1	44
10	Inertial Particle Deposition in a 90Â° Laminar Flow Bend: An Eulerian Fluid Particle Approach. Aerosol Science and Technology, 2011, 45, 1376-1387.	3.1	36
11	Spatial dynamics of airborne infectious diseases. Journal of Theoretical Biology, 2012, 297, 116-126.	1.7	34
12	Theoretical Investigation of Volatile Removal Efficiency of Particle Number Measurement Systems. SAE International Journal of Engines, 0, 3, 1140-1151.	0.4	32
13	Diesel-exhaust aerosol dynamics from the tailpipe to the dilution tunnel. Journal of Aerosol Science, 2008, 39, 737-758.	3.8	30
14	Technical Note Numerical evaluation of the Graetz series. International Journal of Heat and Mass Transfer, 1999, 42, 3013-3017.	4.8	28
15	Reaction-diffusion spatial modeling of COVID-19: Greece and Andalusia as case examples. Physical Review E, 2021, 104, 024412.	2.1	23
16	A random-walk simulation of thermophoretic particle deposition in a turbulent boundary layer. International Journal of Multiphase Flow, 2000, 26, 1325-1350.	3.4	22
17	Excess thermal energy and latent heat in nanocluster collisional growth. Journal of Chemical Physics, 2019, 151, 224304.	3.0	20
18	Nonlinearity from linearity: The Ermakovâ€“Pinney equation revisited. Mathematics and Computers in Simulation, 2007, 74, 196-202.	4.4	18

#	Article	IF	Citations
19	Droplets and aerosols: An artificial dichotomy in respiratory virus transmission. Health Science Reports, 2021, 4, e275.	1.5	18
20	Effect of small-scale turbulent fluctuations on rates of particle formation. Journal of Aerosol Science, 2004, 35, 545-559.	3.8	16
21	Experimental and Theoretical Investigations of the Effect of the Calibration Aerosol Material on the Counting Efficiencies of TSI 3790 Condensation Particle Counters. Aerosol Science and Technology, 2013, 47, 11-21.	3.1	16
22	On the friction coefficient of straight-chain aggregates. Journal of Colloid and Interface Science, 2011, 356, 505-512.	9.4	15
23	Combined heat and mass transfer in laminar flow diffusion nucleation chambers. Journal of Aerosol Science, 2002, 33, 797-816.	3.8	14
24	Nonlinear analysis of network traffic. Chaos, Solitons and Fractals, 2002, 14, 595-606.	5.1	14
25	Friction Coefficient and Mobility Radius of Fractal-Like Aggregates in the Transition Regime. Aerosol Science and Technology, 2014, 48, 1320-1331.	3.1	14
26	Molecular-field derivation of a generalized Landau free energy for the isotropic, nematic, smectic-A, and smectic-Cphases of liquid crystals. Physical Review A, 1986, 33, 589-603.	2.5	13
27	Turbulent Resuspension of Small Nondeformable Particles. Journal of Colloid and Interface Science, 1998, 204, 24-32.	9.4	13
28	CONVECTIVE DIFFUSION IN A TUBE WITH NON-UNIFORM INLET CONDITIONS. Journal of Aerosol Science, 2000, 31, 959-968.	3.8	12
29	The effect of chemical interactions on the transport of caesium in the presence of boron. Journal of Aerosol Science, 1996, 27, 19-39.	3.8	10
30	Identification and Quantification of Uncertainty Components in Gaseous and Particle Emission Measurements of a Moped. Energies, 2019, 12, 4343.	3.1	9
31	A methodology to calculate the friction coefficient in the transition regime: Application to straight chains. Journal of Aerosol Science, 2015, 82, 40-50.	3.8	8
32	Dynamical barrier for the formation of solitary waves in discrete lattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 2247-2253.	2.1	6
33	Modelling of particle resuspension by a turbulent airflow and the role of particle size, surface roughness and electric charge. Journal of Adhesion Science and Technology, 2017, 31, 817-843.	2.6	4
34	Morphology-dependent random binary fragmentation of in silico fractal-like agglomerates. Europhysics Letters, 2019, 127, 46002.	2.0	3
35	Internet traffic dynamics: local area network study. Chaos, Solitons and Fractals, 2003, 17, 305-309.	5.1	2
36	Pseudospinodal critical phenomena, renormalized instantons, and the one-loop equation of state. Physical Review B, 1989, 39, 12078-12097.	3.2	1