

Yannis Drossinos

List of Publications by Year in descending order

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

Version: 2024-02-01

36
papers

1,171
citations

471509

17
h-index

395702

33
g-index

36
all docs

36
docs citations

36
times ranked

1167
citing authors

#	ARTICLE	IF	CITATIONS
1	Droplets and aerosols: An artificial dichotomy in respiratory virus transmission. Health Science Reports, 2021, 4, e275.	1.5	18
2	Reaction-diffusion spatial modeling of COVID-19: Greece and Andalusia as case examples. Physical Review E, 2021, 104, 024412.	2.1	23
3	What aerosol physics tells us about airborne pathogen transmission. Aerosol Science and Technology, 2020, 54, 639-643.	3.1	70
4	Morphology-dependent random binary fragmentation of in silico fractal-like agglomerates. Europhysics Letters, 2019, 127, 46002.	2.0	3
5	Regulating particle number measurements from the tailpipe of light-duty vehicles: The next step?. Environmental Research, 2019, 172, 1-9.	7.5	68
6	Identification and Quantification of Uncertainty Components in Gaseous and Particle Emission Measurements of a Moped. Energies, 2019, 12, 4343.	3.1	9
7	Excess thermal energy and latent heat in nanocluster collisional growth. Journal of Chemical Physics, 2019, 151, 224304.	3.0	20
8	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
9	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
10	Friction Coefficient and Mobility Radius of Fractal-Like Aggregates in the Transition Regime. Aerosol Science and Technology, 2014, 48, 1320-1331.	3.1	14
11	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
12	Spatial dynamics of airborne infectious diseases. Journal of Theoretical Biology, 2012, 297, 116-126.	1.7	34
13	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
14	On the friction coefficient of straight-chain aggregates. Journal of Colloid and Interface Science, 2011, 356, 505-512.	9.4	15
15	Inertial Particle Deposition in a 90° Laminar Flow Bend: An Eulerian Fluid Particle Approach. Aerosol Science and Technology, 2011, 45, 1376-1387.	3.1	36
16	Dynamics of infectious disease transmission by inhalable respiratory droplets. Journal of the Royal Society Interface, 2010, 7, 1355-1366.	3.4	103
17	Calibration of Condensation Particle Counters for Legislated Vehicle Number Emission Measurements. Aerosol Science and Technology, 2009, 43, 1164-1173.	3.1	79
18	A metric for health effects studies of diesel exhaust particles. Journal of Aerosol Science, 2009, 40, 639-651.	3.8	114

#	ARTICLE	IF	CITATIONS
19	Size-distribution dependent lung deposition of diesel exhaust particles. <i>Journal of Aerosol Science</i> , 2009, 40, 652-663.	3.8	79
20	Dynamical barrier for the formation of solitary waves in discrete lattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 2247-2253.	2.1	6
21	Diesel-exhaust aerosol dynamics from the tailpipe to the dilution tunnel. <i>Journal of Aerosol Science</i> , 2008, 39, 737-758.	3.8	30
22	Nonlinearity from linearity: The Ermakov-Pinney equation revisited. <i>Mathematics and Computers in Simulation</i> , 2007, 74, 196-202.	4.4	18
23	Thermophoretic Deposition in Tube Flow. <i>Aerosol Science and Technology</i> , 2005, 39, 304-318.	3.1	44
24	Effect of small-scale turbulent fluctuations on rates of particle formation. <i>Journal of Aerosol Science</i> , 2004, 35, 545-559.	3.8	16
25	Internet traffic dynamics: local area network study. <i>Chaos, Solitons and Fractals</i> , 2003, 17, 305-309.	5.1	2
26	Combined heat and mass transfer in laminar flow diffusion nucleation chambers. <i>Journal of Aerosol Science</i> , 2002, 33, 797-816.	3.8	14
27	Nonlinear analysis of network traffic. <i>Chaos, Solitons and Fractals</i> , 2002, 14, 595-606.	5.1	14
28	Slip-flow heat transfer in circular tubes. <i>International Journal of Heat and Mass Transfer</i> , 2000, 43, 2669-2680.	4.8	138
29	A random-walk simulation of thermophoretic particle deposition in a turbulent boundary layer. <i>International Journal of Multiphase Flow</i> , 2000, 26, 1325-1350.	3.4	22
30	CONVECTIVE DIFFUSION IN A TUBE WITH NON-UNIFORM INLET CONDITIONS. <i>Journal of Aerosol Science</i> , 2000, 31, 959-968.	3.8	12
31	Technical Note Numerical evaluation of the Graetz series. <i>International Journal of Heat and Mass Transfer</i> , 1999, 42, 3013-3017.	4.8	28
32	Turbulent Resuspension of Small Nondeformable Particles. <i>Journal of Colloid and Interface Science</i> , 1998, 204, 24-32.	9.4	13
33	The effect of chemical interactions on the transport of caesium in the presence of boron. <i>Journal of Aerosol Science</i> , 1996, 27, 19-39.	3.8	10
34	Pseudospinodal critical phenomena, renormalized instantons, and the one-loop equation of state. <i>Physical Review B</i> , 1989, 39, 12078-12097.	3.2	1
35	Molecular-field derivation of a generalized Landau free energy for the isotropic, nematic, smectic-A, and smectic-C-phases of liquid crystals. <i>Physical Review A</i> , 1986, 33, 589-603.	2.5	13
36	Theoretical Investigation of Volatile Removal Efficiency of Particle Number Measurement Systems. <i>SAE International Journal of Engines</i> , 0, 3, 1140-1151.	0.4	32