

Chiu-sen Wang

List of Publications by Year in descending order

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54
papers

1,899
citations

430874

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243625

44
g-index

56
all docs

56
docs citations

56
times ranked

1498
citing authors

#	ARTICLE	IF	CITATIONS
1	The self-preserving particle size distribution for coagulation by brownian motion. Journal of Colloid and Interface Science, 1966, 22, 126-132.	9.4	447
2	Removal of Nanoparticles from Gas Streams by Fibrous Filters: A Review. Industrial & Engineering Chemistry Research, 2013, 52, 5-17.	3.7	239
3	Electrostatic forces in fibrous filters—a review. Powder Technology, 2001, 118, 166-170.	4.2	171
4	The self-preserving particle size distribution for coagulation by Brownian motion. Journal of Colloid and Interface Science, 1967, 24, 170-179.	9.4	107
5	Experimental determination of reactive oxygen species in Taipei aerosols. Journal of Aerosol Science, 2001, 32, 1201-1211.	3.8	101
6	Chainlike Formation of Particle Deposits in Fluid-Particle Separation. Science, 1977, 196, 983-985.	12.6	92
7	Evaluation of Microbial Samplers for Bacterial Microorganisms. Aerosol Science and Technology, 1999, 30, 100-108.	3.1	86
8	Deposition of solid particles on a collector: Formulation of a new theory. AIChE Journal, 1977, 23, 879-889.	3.6	82
9	Gravitational deposition of particles from laminar flows in inclined channels. Journal of Aerosol Science, 1975, 6, 191-204.	3.8	61
10	Inertial deposition of particles in a bend. Journal of Aerosol Science, 1975, 6, 139-145.	3.8	58
11	Effects of Occupational Noise Exposure on Blood Pressure. Journal of Occupational and Environmental Medicine, 2003, 45, 1289-1296.	1.7	57
12	Effect of depth of inhalation on aerosol persistence during breath holding.. Journal of Applied Physiology, 1973, 34, 356-360.	2.5	52
13	Nanoparticle aerosol science and technology: an overview. Particuology: Science and Technology of Particles, 2005, 3, 243-254.	0.4	43
14	Characterization of n-alkanes in PM2.5 of the Taipei aerosol. Atmospheric Environment, 2002, 36, 477-482.	4.1	29
15	Transient behavior of aerosol filtration in model filters. AIChE Journal, 1982, 28, 397-405.	3.6	23
16	Accumulation of solid particles on single fibers exposed to aerosol flows. AIChE Journal, 1980, 26, 289-292.	3.6	22
17	A SIMULATION MODEL OF PARTICLE DEPOSITION ON SINGLE COLLECTORS. Chemical Engineering Communications, 1981, 13, 153-180.	2.6	22
18	Growth and Deposition of Saline Droplets Covered with a Monolayer of Surfactant. Aerosol Science and Technology, 1984, 3, 155-166.	3.1	22

#	ARTICLE	IF	CITATIONS
19	The distribution and deposition of particles suspended between parallel plane surfaces. <i>Journal of Colloid and Interface Science</i> , 1968, 26, 41-44.	9.4	17
20	An Aerosol Inhalation Apparatus for Human Single Breath Deposition Studies. <i>AIHA Journal</i> , 1971, 32, 43-46.	0.4	17
21	Dynamics of particle deposition in model fiber filters. <i>Chemical Engineering Science</i> , 1982, 37, 1661-1673.	3.8	17
22	An Assessment of Source Contributions to Ambient Aerosols in Central Taiwan. <i>Journal of the Air and Waste Management Association</i> , 1997, 47, 501-509.	1.9	12
23	Optimization of Some Multistage Chemical Processes. <i>Industrial & Engineering Chemistry Fundamentals</i> , 1964, 3, 38-42.	0.7	11
24	Spatial variations of ground level ozone concentrations in areas of different scales. <i>Atmospheric Environment</i> , 2001, 35, 5799-5807.	4.1	11
25	Determination of surface area and volume of nanoparticle aggregates deposited in the human respiratory tract using DMA data. <i>Journal of Aerosol Science</i> , 2007, 38, 980-987.	3.8	11
26	Effect of electrostatic fields on accumulation of solid particles on single cylinders. <i>AIChE Journal</i> , 1980, 26, 680-683.	3.6	10
27	Heat transfer to magnetohydrodynamic flow in a flat duct. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 1964, 15, 408-418.	1.4	9
28	Characteristics of droplets generated by bubble bursting from chromic acid solutions. <i>Journal of Aerosol Science</i> , 1999, 30, 1171-1179.	3.8	8
29	Optimization of multistage processes with product recycle. <i>Chemical Engineering Science</i> , 1964, 19, 86-87.	3.8	7
30	Comments on the paper: Inertial Deposition of Particles in a Bend. <i>Journal of Aerosol Science</i> , 1976, 7, 275-276.	3.8	7
31	An Assessment of Source Contributions to Ambient Aerosols in Central Taiwan. <i>Journal of the Air and Waste Management Association</i> , 1997, 47, 501-509.	1.9	6
32	Relationships among Particle Fractions of Urban and Non-Urban Aerosols. <i>Aerosol and Air Quality Research</i> , 2003, 3, 7-15.	2.1	5
33	Concentration Effect of Chromic Acid Solutions on the Enrichment of Cr(VI) in Droplets from Bursting Bubbles. <i>Aerosol Science and Technology</i> , 1999, 31, 275-285.	3.1	4
34	The Optimization of Continuous Complex Processes by the Maximum Principle. <i>Journal of Electronics and Control</i> , 1964, 17, 199-209.	0.5	3
35	DEPOSITION OF SUBMICRON PARTICLES FROM STEADY FLOWS IN A BRANCHED TUBE. <i>Journal of the Research Association of Powder Technology Japan</i> , 1972, 9, 37-45.	0.0	3
36	Dispersion of inhaled particles in the human lungs. <i>Powder Technology</i> , 1977, 18, 53-64.	4.2	3

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37	Effect of sampling time on the sampling efficiency of all-glass impinger-30 samplers for E-coli aerosol. <i>Journal of Aerosol Science</i> , 1997, 28, S671-S672.	3.8	3
38	Effect of Rise Distance on Droplets Generated from Bubble Bursting on the Surface of Chromic Acid Solutions. <i>AIHA Journal: A Journal for the Science of Occupational and Environmental Health and Safety</i> , 2002, 63, 5-10.	0.4	3
39	Droplet fractionation of hexavalent chromium from bubbles bursting at liquid surfaces of chromic acid solutions. <i>Journal of Aerosol Science</i> , 2002, 33, 297-306.	3.8	3
40	Optimization of one-dimensional multistage processes. <i>Zeitschrift Fur Angewandte Mathematik Und Physik</i> , 1964, 15, 46-57.	1.4	2
41	A three-dimensional model of the upper tracheobronchial tree. <i>Bulletin of Mathematical Biology</i> , 1980, 42, 847-859.	1.9	2
42	DEPOSITION OF SALINE DROPLETS IN A MODEL OF THE HUMAN BRONCHIAL TREE. <i>Chemical Engineering Communications</i> , 1980, 4, 523-529.	2.6	2
43	DEVELOPMENT OF SOURCE PROFILES OF AGRICULTURAL WASTE COMBUSTION AND ROAD DUST IN THE MELIAO AREA IN TAIWAN. <i>Chemical Engineering Communications</i> , 1996, 151, 41-52.	2.6	2
44	On the Optimization of Multistage Feedback Processes. <i>Journal of the Society for Industrial and Applied Mathematics</i> , 1964, 12, 226-232.	0.5	1
45	Optimization of Step Rockets by the Discrete Maximum Principle. <i>Journal of Engineering for Industry</i> , 1965, 87, 419-424.	0.8	1
46	Optimization of one-dimensional multistage linear processes. <i>Applied Scientific Research, Section B</i> , 1965, 11, 321-334.	0.2	1
47	STEADY LAMINAR FLOW IN TWO SUCCESSIVE BIFURCATIONS. <i>Chemical Engineering Communications</i> , 1984, 31, 327-349.	2.6	1
48	Gaseous and particulate n-alkanes in the Taipei aerosol. <i>Journal of Aerosol Science</i> , 1997, 28, S133-S134.	3.8	1
49	Relationship between ambient aerosols and aerosols in typical indoor environments in Taipei. <i>Journal of Aerosol Science</i> , 1999, 30, S671-S672.	3.8	1
50	15. A Brief History of Respiratory Deposition Modeling. , 2011, , 391-410.		1
51	Contribution of vehicular emissions to aerosols in typical indoor environments in Taipei and its public health implications. <i>Journal of Aerosol Science</i> , 2000, 31, 893-894.	3.8	0
52	The Aerosol Community Mourns the Loss of a Giant Sheldon K. Friedlander 1927â€“2007. <i>Aerosol Science and Technology</i> , 2007, 41, 895-897.	3.1	0
53	Effect of Rise Distance on Droplets Generated from Bubble Bursting on the Surface of Chromic Acid Solutions. <i>AIHA Journal</i> , 2002, 63, 5-10.	0.4	0
54	Optimization of one-dimensional multistage linear processes. <i>Flow, Turbulence and Combustion</i> , 1964, 11, 321-334.	0.2	0