Arkadiusz Moskal

List of Publications by Year
in descending order

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29 papers	416 citations	840776 11 h-index	752698 20 g-index
31 all docs	31 docs citations	31 times ranked	389 citing authors

#	Article	IF	Citations
1	Modeling of Inhalation Profiles Through Dry Powder Inhaler in Healthy Adults and Asthma Patients As a Prerequisite for Further In Vitro and In Silico Studies. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2022, 35, 91-103.	1.4	1
2	Dynamics of aerosol generation and release â€“ Dry powder inhaler performance considerations. Journal of Aerosol Science, 2021, 151, 105673.	3.8	6
3	Inhalation Profiles Through a Dry Powder Inhaler: Relation Between Inhalation Technique and Spirometric Measures. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2021, 34, 346-357.	1.4	3
4	Cascade Impactor Study of Aerosolization Process During Passive Dry Powder Inhaler Performance Under Unsteady Versus Steady Flow Conditions. , 2020, , 47-57.		1
5	The effect of desert dust particles on rheological properties of saliva and mucus. Environmental Science and Pollution Research, 2019, 26, 12150-12157.	5.3	13
6	Chemical Engineering in Biomedical Problemsâ€”Selected Applications. Lecture Notes on Multidisciplinary Industrial Engineering, 2018, , 307-318.	0.6	1
7	Modeling of erythrocytes transport in blood capillaries using spring â€“ Based model combined with lattice-Boltzmann approach. AIP Conference Proceedings, 2018, , .	0.4	0
8	A New Method for Assessing Haemolysis in a Rotary Blood Pump Using Large Eddy Simulations (LES). Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa, 2017, 38, 231-239.	0.7	5
9	The influence of pH and concentration of mucins on diesel exhaust particles (DEPs) transport through artificial mucus. Journal of Aerosol Science, 2016, 102, 83-95.	3.8	6
10	In vitro study on the aerosol emitted from the DPI inhaler under two unsteady inhalation profiles. Journal of Aerosol Science, 2016, 101, 104-117.	3.8	10
11	Penetration of Diesel Exhaust Particles (DEPs) through Fibrous Filters Produced Using Melt-Blown Technology. KONA Powder and Particle Journal, 2015, 32, 184-195.	1.7	7
12	Modelling of deposition of flexible fractal-like aggregates on cylindrical fibre in continuum regime. Journal of Aerosol Science, 2015, 81, 75-89.	3.8	1
13	Numerical simulation of deep-bed water filtration. Separation and Purification Technology, 2015, 156, 51-60.	7.9	10
14	Aerosolized Albuterol Sulfate Delivery under Neonatal Ventilatory Conditions: In Vitro Evaluation of a Novel Ventilator Circuit Patient Interface Connector. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2014, 27, 58-65.	1.4	20
15	Penetration of Diesel Exhaust Particles Through Commercially Available Dust Half Masks. Annals of Occupational Hygiene, 2013, 57, 360-73.	1.9	16
16	Deposition of diesel exhaust particles from various fuels in a cast of human respiratory system under two breathing patterns. Journal of Aerosol Science, 2013, 63, 48-59.	3.8	10
17	Modeling of the influence of tissue mechanical properties on the process of aerosol particles deposition in a model of human alveolus. Journal of Drug Delivery Science and Technology, 2012, 22, 153-159.	3.0	7
18	Evolution of the droplet size distribution during a two-phase flow through a porous media: Population balance studies. Chemical Engineering Science, 2012, 68, 227-235.	3.8	6

#	Article	IF	Citations
19	Delivery of Nebulised Drugs using Endotracheal Tube. Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa, 2012, 33, 689-696.	0.7	4
20	Estimation of deposition of aerosol aggregates in an idealized throat model. Journal of Drug Delivery Science and Technology, 2010, 20, 153-160.	3.0	2
21	Inhalation and Deposition of Nanoparticles: Fundamentals, Phenomenology and Practical Aspects. , 2010, , 113-144.		1
22	Study of an Axial Flow Cyclone to Remove Nanoparticles in Vacuum. Environmental Science & Technology, 2007, 41, 1689-1695.	10.0	25
23	Deposition of Fractal-Like Aerosol Aggregates in a Model of Human Nasal Cavity. Inhalation Toxicology, 2006, 18, 725-731.	1.6	25
24	Dynamics of Oropharyngeal Aerosol Transport and Deposition With the Realistic Flow Pattern. Inhalation Toxicology, 2006, 18, 773-780.	1.6	39
25	Estimation of the diffusion coefficient of aerosol particle aggregates using Brownian simulation in the continuum regime. Journal of Aerosol Science, 2006, 37, 1081-1101.	3.8	20
26	Mechanims of Aerosol Particle Deposition in the Oro-Pharynx Under Non-Steady Airflow. Annals of Occupational Hygiene, 2006, 51, 19-25.	1.9	29
27	Lattice-Boltzmann approach for description of the structure of deposited particulate matter in fibrous filters. Journal of Aerosol Science, 2003, 34, 133-147.	3.8	72
28	Resuspension of Powders and Deposition of Aerosol Particles in the Upper Human Airways. , 2003, , 123-137.		2
29	Temporary and spatial deposition of aerosol particles in the upper human airways during breathing cycle. Journal of Aerosol Science, 2002, 33, 1525-1539.	3.8	60