

Ariel Berlinski

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

1,014
citations

430754

18
h-index

454834

30
g-index

73
all docs

73
docs citations

73
times ranked

922
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of airflow and aerosol deposition in the nasal cavity of a 5-year-old child. <i>Journal of Aerosol Science</i> , 2011, 42, 156-173.	1.8	91
2	Albuterol Delivery by 4 Different Nebulizers Placed in 4 Different Positions in a Pediatric Ventilator In Vitro Model. <i>Respiratory Care</i> , 2013, 58, 1124-1133.	0.8	79
3	Breathing Resistance and Ultrafine Particle Deposition in Nasal and Laryngeal Airways of a Newborn, an Infant, a Child, and an Adult. <i>Annals of Biomedical Engineering</i> , 2012, 40, 2579-2595.	1.3	70
4	Growth of Nasal and Laryngeal Airways in Children: Implications in Breathing and Inhaled Aerosol Dynamics. <i>Respiratory Care</i> , 2014, 59, 263-273.	0.8	63
5	Smartphone-based vs paper-based asthma action plans for adolescents. <i>Annals of Allergy, Asthma and Immunology</i> , 2017, 118, 298-303.	0.5	50
6	In Vitro Evaluation of Aerosols Delivered via the Nasal Route. <i>Respiratory Care</i> , 2015, 60, 1015-1025.	0.8	49
7	Hood Nebulization: Effects of Head Direction and Breathing Mode on Particle Inhalability and Deposition in a 7-Month-Old Infant Model. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2014, 27, 209-218.	0.7	43
8	Comparative Analysis of Methods to Measure Aerosols Generated by a Vibrating Mesh Nebulizer. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2007, 20, 310-319.	1.2	36
9	Invasive mechanical ventilation for acute respiratory failure in children with cystic fibrosis: Outcome analysis and case-control study. <i>Pediatric Pulmonology</i> , 2002, 34, 297-303.	1.0	34
10	Predictors and Outcome of Low Initial Forced Expiratory Volume in 1 Second Measurement in Children with Cystic Fibrosis. <i>Journal of Pediatrics</i> , 2014, 164, 832-838.	0.9	30
11	Effect of Tidal Volume and Nebulizer Type and Position on Albuterol Delivery in a Pediatric Model of Mechanical Ventilation. <i>Respiratory Care</i> , 2015, 60, 1424-1430.	0.8	30
12	Effect of face mask dead volume, respiratory rate, and tidal volume on inhaled albuterol delivery. <i>Pediatric Pulmonology</i> , 2010, 45, 224-229.	1.0	28
13	Urgent Appeal from International Society for Aerosols in Medicine (ISAM) During COVID-19: Clinical Decision Makers and Governmental Agencies Should Consider the Inhaled Route of Administration: A Statement from the ISAM Regulatory and Standardization Issues Networking Group. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2020, 33, 235-238.	0.7	27
14	Nebulized Albuterol Delivery in a Model of Spontaneously Breathing Children With Tracheostomy. <i>Respiratory Care</i> , 2013, 58, 2076-2086.	0.8	25
15	Pediatric Aerosol Therapy. <i>Respiratory Care</i> , 2017, 62, 662-677.	0.8	25
16	Successful use of extracorporeal membrane oxygenation in severe necrotizing pneumonia caused by <i>Staphylococcus aureus</i> *. <i>Pediatric Critical Care Medicine</i> , 2007, 8, 282-287.	0.2	21
17	Transition of respiratory technology dependent patients from pediatric to adult pulmonology care. <i>Pediatric Pulmonology</i> , 2015, 50, 1294-1300.	1.0	21
18	In Vitro Evaluation of Positive Expiratory Pressure Devices Attached to Nebulizers. <i>Respiratory Care</i> , 2014, 59, 216-222.	0.8	20

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19	Nebulized Drug Admixtures: Effect on Aerosol Characteristics and Albuterol Output. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2006, 19, 484-490.	1.2	19
20	Survey of Aerosol Delivery Techniques to Spontaneously Breathing Tracheostomized Children. <i>Respiratory Care</i> , 2012, 57, 1234-1241.	0.8	18
21	Albuterol delivery via metered dose inhaler in a spontaneously breathing pediatric tracheostomy model. <i>Pediatric Pulmonology</i> , 2013, 48, 1026-1034.	1.0	17
22	Albuterol Delivery Efficiency in a Pediatric Model of Noninvasive Ventilation With Double-Limb Circuit. <i>Respiratory Care</i> , 2018, 63, 141-146.	0.8	16
23	Effect of Aerosol Delivery System and Formulation on Nebulized Budesonide Output. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 1997, 10, 307-318.	1.2	15
24	Optimization of a Procedure Used to Measure Aerosol Characteristics of Nebulized Solutions Using a Cooled Next Generation Impactor. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2010, 23, 397-404.	0.7	14
25	Assessing New Technologies in Aerosol Medicine: Strengths and Limitations. <i>Respiratory Care</i> , 2015, 60, 833-849.	0.8	14
26	Four Hours of Continuous Albuterol Nebulization. <i>Chest</i> , 1998, 114, 847-853.	0.4	13
27	Longitudinal Evaluation of Compressor/Nebulizer Performance. <i>Respiratory Care</i> , 2014, 59, 1053-1061.	0.8	13
28	Delivery of high-quality pediatric spirometry in rural communities: A novel use for telemedicine. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2018, 6, 1042-1044.	2.0	12
29	Metering Performance of Several Metered-Dose Inhalers with Different Spacers/Holding Chambers. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2001, 14, 427-432.	1.2	10
30	A hybrid in vitro in silico framework for albuterol delivery through an adult ventilator circuit to a patient-specific lung airway model. <i>Journal of Aerosol Science</i> , 2021, 158, 105844.	1.8	10
31	Albuterol Delivery Efficiency in a Pediatric Model of Noninvasive Ventilation With a Single-Limb Circuit. <i>Respiratory Care</i> , 2019, 64, 1366-1370.	0.8	9
32	Effect of Mask Dead Space and Occlusion of Mask Holes on Delivery of Nebulized Albuterol. <i>Respiratory Care</i> , 2014, 59, 1228-1232.	0.8	8
33	Albuterol delivery via intrapulmonary percussive ventilator and jet nebulizer in a pediatric ventilator model. <i>Respiratory Care</i> , 2010, 55, 1699-704.	0.8	8
34	Drug Delivery in Asthmatic Children Following Coordinated and Uncoordinated Inhalation Maneuvers: A Randomized Crossover Trial. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2017, 30, 182-189.	0.7	7
35	Delay Between Shaking and Actuation of a Hydrofluoroalkane Fluticasone Pressurized Metered-Dose Inhaler. <i>Respiratory Care</i> , 2018, 63, 289-293.	0.8	6
36	AARC Clinical Practice Guideline: Management of Pediatric Patients With Oxygen in the Acute Care Setting. <i>Respiratory Care</i> , 2021, 66, 1214-1223.	0.8	6

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37	Aerosol Characterization of Nebulized Intranasal Glucocorticoid Formulations. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2001, 14, 237-244.	1.2	5
38	Albuterol Delivery via Facial and Tracheostomy Route in a Model of a Spontaneously Breathing Child. <i>Respiratory Care</i> , 2015, 60, 1749-1758.	0.8	5
39	2019 Year in Review: Aerosol Therapy. <i>Respiratory Care</i> , 2020, 65, 705-712.	0.8	5
40	Utilization and Outcomes Associated with Mobile-Based Asthma Action Plans Compared to Paper Asthma Action Plans Among Adolescents. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, AB100.	1.5	4
41	Workshop Report: Aerosol Delivery to Spontaneously Breathing Tracheostomized Patients. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2017, 30, 207-222.	0.7	4
42	Effect of Interval Between Actuations of Albuterol Hydrofluoroalkane Pressurized Metered-Dose Inhalers on Their Aerosol Characteristics. <i>Respiratory Care</i> , 2017, 62, 1123-1130.	0.8	4
43	Crossover Evaluation of Compressors and Nebulizers Typically Used by Cystic Fibrosis Patients. <i>Respiratory Care</i> , 2018, 63, 294-300.	0.8	4
44	Innovation in Aerosol Drug Delivery During Adult Mechanical Ventilation. <i>Respiratory Care</i> , 2020, 65, 1624-1625.	0.8	4
45	Nutritional status between 5â€10 years is associated with cystic fibrosisâ€related diabetes in adolescence. <i>Pediatric Pulmonology</i> , 2021, 56, 3217-3222.	1.0	4
46	Oronasal and Tracheostomy Delivery of Soft Mist and Pressurized Metered-Dose Inhalers With Valved Holding Chamber. <i>Respiratory Care</i> , 2016, 61, 913-919.	0.8	3
47	Implementation of pediatric home spirometry: potential height bias. <i>Journal of Cystic Fibrosis</i> , 2020, 20, 2107.	0.3	3
48	Albuterol Delivery Via MDI/Spacer In A Spontaneously Breathing Pediatric Tracheostomy Model: Does Bagging Improve Drug Delivery?. , 2011, , .		2
49	Quality Improvement Project to Improve Timeliness Between Bronchodilator Treatments from Emergency Department to Medical Wards. <i>Respiratory Care</i> , 2016, 61, 1573-1579.	0.8	2
50	Be Aware of Intrapulmonary Percussive Ventilation. <i>Respiratory Care</i> , 2019, 64, 612-613.	0.8	2
51	Factors Affecting Albuterol Delivery Via MDI In A Spontaneously Breathing Pediatric Tracheostomy Model. , 2010, , .		1
52	Mechanical Insufflation-Exsufflation: The Good, the Bad, and the Ugly. <i>Respiratory Care</i> , 2015, 60, 1081-1082.	0.8	1
53	High-Quality Pediatric Spirometry Via Telemedicine. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, AB103.	1.5	1
54	In Vitro Comparison of Different Nebulizers Delivering 7% Hypertonic Saline. <i>Respiratory Care</i> , 2021, 66, 1582-1587.	0.8	1

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55	Cystic Fibrosis Foundation Nebulizer and Compressor Accessibility Survey. <i>Respiratory Care</i> , 2021, 66, 1840-1847.	0.8	1
56	In-vitro comparison of 4 large-volume nebulizers in 8 hours of continuous nebulization. <i>Respiratory Care</i> , 2010, 55, 1671-9.	0.8	1
57	Effect of Delivery Angle on Aerosolized Bronchodilator Solution Output of Jet Nebulizers. <i>Chest</i> , 2004, 126, 817S.	0.4	0
58	Effect of Face Mask Static Dead Volume, Respiratory Rate and Tidal Volume on Inhaled Albuterol Delivery.. , 2009, , .		0
59	Aerosol Delivery To Spontaneously Breathing Pediatric Patients With A Tracheostomy. , 2010, , .		0
60	Effect Of Position And Length Of Nebulizer's Reservoir On Albuterol Characteristics And Solution Output. , 2011, , .		0
61	Risk Factors For Low First FEV1 In Pediatric Patients With CF: Does It Predict Future FEV1?. , 2011, , .		0
62	An Ounce of Prevention Is Worth a Pound of Cure. <i>Respiratory Care</i> , 2012, 57, 657-658.	0.8	0
63	Does Occlusion Of The Mask Holes Improve Nebulized Albuterol Delivery?. , 2012, , .		0
64	The Order of the Factors Affects a Product!. <i>Respiratory Care</i> , 2014, 59, 441-442.	0.8	0
65	Transnasal Aerosol Delivery to Pediatric Patients: Jet Versus Vibrating Mesh--Reply. <i>Respiratory Care</i> , 2015, 60, e168-e169.	0.8	0
66	Outcomes and Safety of Outpatient Parenteral Antimicrobial Therapy in Select Children with Cystic Fibrosis. <i>Pediatric, Allergy, Immunology, and Pulmonology</i> , 2019, 32, 149-154.	0.3	0
67	Inhaled Drug Delivery for Children on Long-term Mechanical Ventilation. <i>Respiratory Medicine</i> , 2016, , 217-239.	0.1	0
68	Effect of interval between actuations of albuterol HFA inhalers on their aerosol characteristics. , 2016, , .		0
69	Particle size variation of nebulized albuterol occurs while traveling through neonatal mechanical ventilation circuits. , 2017, , .		0
70	Albuterol delivery by soft mist and pressurized metered dose inhalers during noninvasive ventilation in a model of a spontaneously breathing child. , 2018, , .		0