# Ariel Berlinski

List of Publications by Year
in descending order



| 70 | 1,014 | 430874 | 454955 |
|---|---|---|---|
| papers | citations | 18 h-index | 30 g-index |

| 73 | 73 | 73 | 922 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Simulation of airflow and aerosol deposition in the nasal cavity of a 5-year-old child. Journal of Aerosol Science, 2011, 42, 156-173. | 3.8 | 91 |
| 2 | Albuterol Delivery by 4 Different Nebulizers Placed in 4 Different Positions in a Pediatric Ventilator In Vitro Model. Respiratory Care, 2013, 58, 1124-1133. | 1.6 | 79 |
| 3 | Breathing Resistance and Ultrafine Particle Deposition in Nasalâ€"Laryngeal Airways of a Newborn, an Infant, a Child, and an Adult. Annals of Biomedical Engineering, 2012, 40, 2579-2595. | 2.5 | 70 |
| 4 | Growth of Nasal and Laryngeal Airways in Children: Implications in Breathing and Inhaled Aerosol Dynamics. Respiratory Care, 2014, 59, 263-273. | 1.6 | 63 |
| 5 | Smartphone-based vs paper-based asthma action plans for adolescents. Annals of Allergy, Asthma and Immunology, 2017, 118, 298-303. | 1.0 | 50 |
| 6 | In Vitro Evaluation of Aerosols Delivered via the Nasal Route. Respiratory Care, 2015, 60, 1015-1025. | 1.6 | 49 |
| 7 | Hood Nebulization: Effects of Head Direction and Breathing Mode on Particle Inhalability and Deposition in a 7-Month-Old Infant Model. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2014, 27, 209-218. | 1.4 | 43 |
| 8 | Comparative Analysis of Methods to Measure Aerosols Generated by a Vibrating Mesh Nebulizer. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 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. Pediatric Pulmonology, 2002, 34, 297-303. | 2.0 | 34 |
| 10 | Predictors and Outcome of Low Initial Forced Expiratory Volume in 1 Second Measurement in Children with Cystic Fibrosis. Journal of Pediatrics, 2014, 164, 832-838. | 1.8 | 30 |
| 11 | Effect of Tidal Volume and Nebulizer Type and Position on Albuterol Delivery in a Pediatric Model of Mechanical Ventilation. Respiratory Care, 2015, 60, 1424-1430. | 1.6 | 30 |
| 12 | Effect of face mask dead volume, respiratory rate, and tidal volume on inhaled albuterol delivery. Pediatric Pulmonology, 2010, 45, 224-229. | 2.0 | 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. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2020, 33, 235-238. | 1.4 | 27 |
| 14 | Nebulized Albuterol Delivery in a Model of Spontaneously Breathing Children With Tracheostomy. Respiratory Care, 2013, 58, 2076-2086. | 1.6 | 25 |
| 15 | Pediatric Aerosol Therapy. Respiratory Care, 2017, 62, 662-677. | 1.6 | 25 |
| 16 | Successful use of extracorporeal membrane oxygenation in severe necrotizing pneumonia caused by Staphylococcus aureus*. Pediatric Critical Care Medicine, 2007, 8, 282-287. | 0.5 | 21 |
| 17 | Transition of respiratory technology dependent patients from pediatric to adult pulmonology care. Pediatric Pulmonology, 2015, 50, 1294-1300. | 2.0 | 21 |
| 18 | In Vitro Evaluation of Positive Expiratory Pressure Devices Attached to Nebulizers. Respiratory Care, 2014, 59, 216-222. | 1.6 | 20 |

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|---|---|---|---|
| 19 | Nebulized Drug Admixtures: Effect on Aerosol Characteristics and Albuterol Output. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2006, 19, 484-490. | 1.2 | 19 |
| 20 | Survey of Aerosol Delivery Techniques to Spontaneously Breathing Tracheostomized Children. Respiratory Care, 2012, 57, 1234-1241. | 1.6 | 18 |
| 21 | Albuterol delivery via metered dose inhaler in a spontaneously breathing pediatric tracheostomy model. Pediatric Pulmonology, 2013, 48, 1026-1034. | 2.0 | 17 |
| 22 | Albuterol Delivery Efficiency in a Pediatric Model of Noninvasive Ventilation With Double-Limb Circuit. Respiratory Care, 2018, 63, 141-146. | 1.6 | 16 |
| 23 | Effect of Aerosol Delivery System and Formulation on Nebulized Budesonide Output. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 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. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2010, 23, 397-404. | 1.4 | 14 |
| 25 | Assessing New Technologies in Aerosol Medicine: Strengths and Limitations. Respiratory Care, 2015, 60, 833-849. | 1.6 | 14 |
| 26 | Four Hours of Continuous Albuterol Nebulization. Chest, 1998, 114, 847-853. | 0.8 | 13 |
| 27 | Longitudinal Evaluation of Compressor/Nebulizer Performance. Respiratory Care, 2014, 59, 1053-1061. | 1.6 | 13 |
| 28 | Delivery of high-quality pediatric spirometry in rural communities: A novel use for telemedicine. Journal of Allergy and Clinical Immunology: in Practice, 2018, 6, 1042-1044. | 3.8 | 12 |
| 29 | Metering Performance of Several Metered-Dose Inhalers with Different Spacers/Holding Chambers. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 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. Journal of Aerosol Science, 2021, 158, 105844. | 3.8 | 10 |
| 31 | Albuterol Delivery Efficiency in a Pediatric Model of Noninvasive Ventilation With a Single-Limb Circuit. Respiratory Care, 2019, 64, 1366-1370. | 1.6 | 9 |
| 32 | Effect of Mask Dead Space and Occlusion of Mask Holes on Delivery of Nebulized Albuterol. Respiratory Care, 2014, 59, 1228-1232. | 1.6 | 8 |
| 33 | Albuterol delivery via intrapulmonary percussive ventilator and jet nebulizer in a pediatric ventilator model. Respiratory Care, 2010, 55, 1699-704. | 1.6 | 8 |
| 34 | Drug Delivery in Asthmatic Children Following Coordinated and Uncoordinated Inhalation Maneuvers: A Randomized Crossover Trial. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2017, 30, 182-189. | 1.4 | 7 |
| 35 | Delay Between Shaking and Actuation of a Hydrofluoroalkane Fluticasone Pressurized Metered-Dose Inhaler. Respiratory Care, 2018, 63, 289-293. | 1.6 | 6 |
| 36 | AARC Clinical Practice Guideline: Management of Pediatric Patients With Oxygen in the Acute Care Setting. Respiratory Care, 2021, 66, 1214-1223. | 1.6 | 6 |

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|---|---|---|---|
| 37 | Aerosol Characterization of Nebulized Intranasal Glucocorticoid Formulations. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2001, 14, 237-244. | 1.2 | 5 |
| 38 | Albuterol Delivery via Facial and Tracheostomy Route in a Model of a Spontaneously Breathing Child. Respiratory Care, 2015, 60, 1749-1758. | 1.6 | 5 |
| 39 | 2019 Year in Review: Aerosol Therapy. Respiratory Care, 2020, 65, 705-712. | 1.6 | 5 |
| 40 | Utilization and Outcomes Associated with Mobile-Based Asthma Action Plans Compared to Paper Asthma Action Plans Among Adolescents. Journal of Allergy and Clinical Immunology, 2016, 137, AB100. | 2.9 | 4 |
| 41 | Workshop Report: Aerosol Delivery to Spontaneously Breathing Tracheostomized Patients. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2017, 30, 207-222. | 1.4 | 4 |
| 42 | Effect of Interval Between Actuations of Albuterol Hydrofluoroalkane Pressurized Metered-Dose Inhalers on Their Aerosol Characteristics. Respiratory Care, 2017, 62, 1123-1130. | 1.6 | 4 |
| 43 | Crossover Evaluation of Compressors and Nebulizers Typically Used by Cystic Fibrosis Patients. Respiratory Care, 2018, 63, 294-300. | 1.6 | 4 |
| 44 | Innovation in Aerosol Drug Delivery During Adult Mechanical Ventilation. Respiratory Care, 2020, 65, 1624-1625. | 1.6 | 4 |
| 45 | Nutritional status between 5â€10 years is associated with cystic fibrosisâ€related diabetes in adolescence. Pediatric Pulmonology, 2021, 56, 3217-3222. | 2.0 | 4 |
| 46 | Oronasal and Tracheostomy Delivery of Soft Mist and Pressurized Metered-Dose Inhalers With Valved Holding Chamber. Respiratory Care, 2016, 61, 913-919. | 1.6 | 3 |
| 47 | Implementation of pediatric home spirometry: potential height bias. Journal of Cystic Fibrosis, 2020, 20, 2107. | 0.7 | 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. Respiratory Care, 2016, 61, 1573-1579. | 1.6 | 2 |
| 50 | Be Aware of Intrapulmonary Percussive Ventilation. Respiratory Care, 2019, 64, 612-613. | 1.6 | 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. Respiratory Care, 2015, 60, 1081-1082. | 1.6 | 1 |
| 53 | High-Quality Pediatric Spirometry Via Telemedicine. Journal of Allergy and Clinical Immunology, 2018, 141, AB103. | 2.9 | 1 |
| 54 | In Vitro Comparison of Different Nebulizers Delivering 7% Hypertonic Saline. Respiratory Care, 2021, 66, 1582-1587. | 1.6 | 1 |

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|---|---|---|---|
| 55 | Cystic Fibrosis Foundation Nebulizer and Compressor Accessibility Survey. Respiratory Care, 2021, 66, 1840-1847. | 1.6 | 1 |
| 56 | In-vitro comparison of 4 large-volume nebulizers in 8 hours of continuous nebulization. Respiratory Care, 2010, 55, 1671-9. | 1.6 | 1 |
| 57 | Effect of Delivery Angle on Aerosolized Bronchodilator Solution Output of Jet Nebulizers. Chest, 2004, 126, 817S. | 0.8 | 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. Respiratory Care, 2012, 57, 657-658. | 1.6 | 0 |
| 63 | Does Occlusion Of The Mask Holes Improve Nebulized Albuterol Delivery?. , 2012, , . | | 0 |
| 64 | The Order of the Factors Affects a Product!. Respiratory Care, 2014, 59, 441-442. | 1.6 | 0 |
| 65 | Transnasal Aerosol Delivery to Pediatric Patients: Jet Versus Vibrating Mesh--Reply. Respiratory Care, 2015, 60, e168-e169. | 1.6 | 0 |
| 66 | Outcomes and Safety of Outpatient Parenteral Antimicrobial Therapy in Select Children with Cystic Fibrosis. Pediatric, Allergy, Immunology, and Pulmonology, 2019, 32, 149-154. | 0.8 | 0 |
| 67 | Inhaled Drug Delivery for Children on Long-term Mechanical Ventilation. Respiratory Medicine, 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 |