Joerg Mattes

List of Publications by Year in descending order

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95 papers	5,864 citations	87888 38 h-index	74163 75 g-index
95 all docs	95 docs citations	95 times ranked	7559 citing authors

#	Article	IF	Citations
1	Exposure to 4% SF₆ during multiple breath washout affects subsequent infant tidal breathing analysis. Pediatric Pulmonology, 2022, 57, 1089-1091.	2.0	1
2	Development of a Maternal and Child mHealth Intervention With Aboriginal and Torres Strait Islander Mothers: Co-design Approach. JMIR Formative Research, 2022, 6, e33541.	1.4	7
3	Factors Associated with Nonadherence to Inhaled Corticosteroids for Asthma During Pregnancy. Journal of Allergy and Clinical Immunology: in Practice, 2021, 9, 1242-1252.e1.	3.8	9
4	Maternal asthma is associated with reduced lung function in male infants in a combined analysis of the BLT and BILD cohorts. Thorax, 2021, 76, 996-1001.	5.6	13
5	Variation of DNA Methylation in Newborns Associated with Exhaled Carbon Monoxide during Pregnancy. International Journal of Environmental Research and Public Health, 2021, 18, 1597.	2.6	3
6	miR-122 promotes virus-induced lung disease by targeting SOCS1. JCI Insight, 2021, 6, .	5.0	17
7	Children With Asthma Have Impaired Innate Immunity and Increased Numbers of Type 2 Innate Lymphoid Cells Compared With Healthy Controls. Frontiers in Immunology, 2021, 12, 664668.	4.8	8
8	Exposure to Stress and Air Pollution from Bushfires during Pregnancy: Could Epigenetic Changes Explain Effects on the Offspring?. International Journal of Environmental Research and Public Health, 2021, 18, 7465.	2.6	15
9	The effects of increasing fruit and vegetable intake in children with asthma: A randomized controlled trial. Clinical and Experimental Allergy, 2021, 51, 1144-1156.	2.9	16
10	Environmental Air Pollutants Inhaled during Pregnancy Are Associated with Altered Cord Blood Immune Cell Profiles. International Journal of Environmental Research and Public Health, 2021, 18, 7431.	2.6	5
11	Factors Associated with Asthma Exacerbations During Pregnancy. Journal of Allergy and Clinical Immunology: in Practice, 2021, 9, 4343-4352.e4.	3.8	13
12	Parenting stress in mothers with asthma during the postpartum period. Journal of Asthma, 2021, , 1-13.	1.7	1
13	Rhinovirus bronchiolitis, maternal asthma, and the development of asthma and lung function impairments. Pediatric Pulmonology, 2021, 56, 362-370.	2.0	5
14	Observational study of mental health in asthmatic women during the prenatal and postnatal periods. Journal of Asthma, 2020, 57, 829-841.	1.7	10
15	How Maternal BMI Modifies the Impact of Personalized Asthma Management in Pregnancy. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 219-228.e3.	3.8	14
16	Fetal Eosinophils Get on the Nerves of Airways. Early Origins of Bronchoconstriction. American Journal of Respiratory Cell and Molecular Biology, 2020, 62, 407-408.	2.9	5
17	Highâ€fat dietâ€induced obesity worsens TH2 immune response and immunopathologic characteristics in murine model of eosinophilic oesophagitis. Clinical and Experimental Allergy, 2020, 50, 244-255.	2.9	29
18	Association between active tobacco use during pregnancy and infant respiratory health: a systematic review and meta-analysis. BMJ Open, 2020, 10, e037819.	1.9	13

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19	A Critical Role for the CXCL3/CXCL5/CXCR2 Neutrophilic Chemotactic Axis in the Regulation of Type 2 Responses in a Model of Rhinoviral-Induced Asthma Exacerbation. Journal of Immunology, 2020, 205, 2468-2478.	0.8	31
20	Change in exhaled nitric oxide during peanut challenge is related to severity of reaction. Allergy, Asthma and Clinical Immunology, 2020, 16, 64.	2.0	1
21	A Fruit and Vegetable Intervention in Children with Asthma Improved Lung Function and Decreased Asthma Related Illness. , 2020, , .		0
22	Respiratory, birth and health economic measures for use with Indigenous Australian infants in a research trial: a modified Delphi with an Indigenous panel. BMC Pediatrics, 2020, 20, 368.	1.7	1
23	Clinical and lung function outcomes in a cohort of children with severe asthma. BMC Pulmonary Medicine, 2020, 20, 66.	2.0	11
24	Maternal asthma, breastfeeding, and respiratory outcomes in the first year of life. Pediatric Pulmonology, 2020, 55, 1690-1696.	2.0	22
25	TRAIL signals through the ubiquitin ligase MID1 to promote pulmonary fibrosis. BMC Pulmonary Medicine, 2019, 19, 31.	2.0	20
26	Multicentre, randomised trial to investigate early nasal highâ€"flow therapy in paediatric acute hypoxaemic respiratory failure: a protocol for a randomised controlled trialâ€"a Paediatric Acute respiratory Intervention Study (PARIS 2). BMJ Open, 2019, 9, e030516.	1.9	4
27	Enhancing tristetraprolin activity reduces the severity of cigarette smokeâ€induced experimental chronic obstructive pulmonary disease. Clinical and Translational Immunology, 2019, 8, e01084.	3.8	14
28	Polysomnography for the management of oxygen supplementation therapy in infants with chronic lung disease of prematurity. Journal of Maternal-Fetal and Neonatal Medicine, 2019, 32, 3640-3646.	1.5	6
29	Vitamin D status in pregnant women with asthma and its association with adverse respiratory outcomes during infancy. Journal of Maternal-Fetal and Neonatal Medicine, 2019, 32, 1820-1825.	1.5	18
30	Trends in asthma self-management skills and inhaled corticosteroid use during pregnancy and postpartum from 2004 to 2017. Journal of Asthma, 2019, 56, 594-602.	1.7	24
31	Managing Asthma in Pregnancy (MAP) trial: FENO levels and childhood asthma. Journal of Allergy and Clinical Immunology, 2018, 142, 1765-1772.e4.	2.9	60
32	High-flow warm humidified oxygen versus standard low-flow nasal cannula oxygen for moderate bronchiolitis (HFWHO RCT): an open, phase 4, randomised controlled trial. Lancet, The, 2017, 389, 930-939.	13.7	220
33	Obesity promotes prolonged ovalbumin-induced airway inflammation modulating T helper type 1 (Th1), Th2 and Th17 immune responses in BALB/c mice. Clinical and Experimental Immunology, 2017, 189, 47-59.	2.6	40
34	Elevated Serum Tissue Transglutaminase Antibodies in Children With Eosinophilic Esophagitis. Journal of Pediatric Gastroenterology and Nutrition, 2017, 65, 69-74.	1.8	5
35	Exercise capacity is not decreased in children who have undergone lung resection early in life for congenital thoracic malformations compared to healthy ageâ€matched children. Pediatric Pulmonology, 2017, 52, 1340-1348.	2.0	10
36	Prevention and Treatment of Smoking and Tobacco Use During Pregnancy in Selected Indigenous Communities in High-Income Countries of the United States, Canada, Australia, and New Zealand. Chest, 2017, 152, 853-866.	0.8	16

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37	Modeling <scp>T_H</scp>2 responses and airway inflammation to understand fundamental mechanisms regulating the pathogenesis of asthma. Immunological Reviews, 2017, 278, 20-40.	6.0	107
38	MicroRNA-21 drives severe, steroid-insensitive experimental asthma by amplifying phosphoinositide 3-kinaseâ€“mediated suppression of histone deacetylase 2. Journal of Allergy and Clinical Immunology, 2017, 139, 519-532.	2.9	176
39	The Breathing for Life Trial: a randomised controlled trial of fractional exhaled nitric oxide (FENO)-based management of asthma during pregnancy and its impact on perinatal outcomes and infant and childhood respiratory health. BMC Pregnancy and Childbirth, 2016, 16, 111.	2.4	45
40	TRAIL deficiency and PP2A activation with salmeterol ameliorates egg allergen-driven eosinophilic esophagitis. American Journal of Physiology - Renal Physiology, 2016, 311, G998-G1008.	3.4	11
41	Reproducibility of serum IgE, Ara h2 skin prick testing and fraction of exhaled nitric oxide for predicting clinical peanut allergy in children. Allergy, Asthma and Clinical Immunology, 2016, 12, 35.	2.0	4
42	A pathogenic role for tumor necrosis factor-related apoptosis-inducing ligand in chronic obstructive pulmonary disease. Mucosal Immunology, 2016, 9, 859-872.	6.0	63
43	Elevated IL-33 expression is associated with pediatric eosinophilic esophagitis, and exogenous IL-33 promotes eosinophilic esophagitis development in mice. American Journal of Physiology - Renal Physiology, 2016, 310, G13-G25.	3.4	55
44	New reference ranges for interpreting forced expiratory manoeuvres in infants and implications for clinical interpretation: a multicentre collaboration. Thorax, 2016, 71, 276-283.	5.6	29
45	TNF-related apoptosis-inducing ligand (TRAIL) regulates midline-1, thymic stromal lymphopoietin, inflammation, andÂremodeling in experimental eosinophilic esophagitis. Journal of Allergy and Clinical Immunology, 2015, 136, 971-982.	2.9	33
46	Ventilation inhomogeneities in children with congenital thoracic malformations. BMC Pulmonary Medicine, 2015, 15, 25.	2.0	6
47	Toll-like receptor 7 governs interferon and inflammatory responses to rhinovirus and is suppressed by IL-5-induced lung eosinophilia. Thorax, 2015, 70, 854-861.	5.6	90
48	Evidence that asthma is a developmental origin disease influenced by maternal diet and bacterial metabolites. Nature Communications, 2015, 6, 7320.	12.8	683
49	Antagonism of miR-328 Increases the Antimicrobial Function of Macrophages and Neutrophils and Rapid Clearance of Non-typeable Haemophilus Influenzae (NTHi) from Infected Lung. PLoS Pathogens, 2015, 11, e1004549.	4.7	62
50	CCL7 and IRF-7 Mediate Hallmark Inflammatory and IFN Responses following Rhinovirus 1B Infection. Journal of Immunology, 2015, 194, 4924-4930.	0.8	39
51	MicroRNA-9 regulates steroid-resistant airway hyperresponsiveness by reducing protein phosphatase 2A activity. Journal of Allergy and Clinical Immunology, 2015, 136, 462-473.	2.9	84
52	Prenatal origins of bronchiolitis: protective effect of optimised asthma management during pregnancy: TableÂ1. Thorax, 2014, 69, 383-384.	5.6	42
53	The fraction of exhaled nitric oxide improves prediction of clinical allergic reaction to peanut challenge in children. Clinical and Experimental Allergy, 2014, 44, 371-380.	2.9	13
54	Differential DNA methylation profiles of infants exposed to maternal asthma during pregnancy. Pediatric Pulmonology, 2014, 49, 852-862.	2.0	59

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55	Respiratory viral infections in pregnant women with asthma are associated with wheezing in the first 12Âmonths of life. Pediatric Allergy and Immunology, 2014, 25, 151-158.	2.6	18
56	Tumor necrosis factor-related apoptosis-inducing ligand translates neonatal respiratory infection into chronic lung disease. Mucosal Immunology, 2014, 7, 478-488.	6.0	45
57	Tumor Necrosis Factorâ€"Related Apoptosis-Inducing Ligand Regulates Hallmark Features of Airways Remodeling in Allergic Airways Disease. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 86-93.	2.9	33
58	MicroRNA: Potential biomarkers and therapeutic targets for allergic asthma?. Annals of Medicine, 2014, 46, 633-639.	3.8	21
59	The early origins of COPD in severe asthma: the one thing that leads to another or the two things that come together?. Thorax, 2014, 69, 789-790.	5.6	13
60	Salmeterol attenuates chemotactic responses in rhinovirus-induced exacerbation of allergic airways diseaseÂby modulating protein phosphatase 2A. Journal of Allergy and Clinical Immunology, 2014, 133, 1720-1727.	2.9	32
61	Targeting translational control as a novel way to treat inflammatory disease: the emerging role of MicroRNAs. Clinical and Experimental Allergy, 2013, 43, 981-999.	2.9	51
62	Absence of Tollâ€"IL-1 Receptor 8/Single Immunoglobulin IL-1 Receptorâ€"Related Molecule Reduces House Dust Miteâ€"Induced Allergic Airway Inflammation in Mice. American Journal of Respiratory Cell and Molecular Biology, 2013, 49, 481-490.	2.9	23
63	Constitutive production of IL-13 promotes early-life Chlamydia respiratory infection and allergic airway disease. Mucosal Immunology, 2013, 6, 569-579.	6.0	53
64	The E3 ubiquitin ligase midline 1 promotes allergen and rhinovirus-induced asthma by inhibiting protein phosphatase 2A activity. Nature Medicine, 2013, 19, 232-237.	30.7	127
65	The emerging role of micro<scp>RNA</scp>s in regulating immune and inflammatory responses in the lung. Immunological Reviews, 2013, 253, 198-215.	6.0	97
66	Forthcoming Meetings. Clinical and Experimental Allergy, 2013, 43, 1090-1090.	2.9	29
67	Epigenetic changes associated with disease progression in a mouse model of childhood allergic asthma. DMM Disease Models and Mechanisms, 2013, 6, 993-1000.	2.4	18
68	Inhibiting AKT Phosphorylation Employing Non-Cytotoxic Anthraquinones Ameliorates TH2 Mediated Allergic Airways Disease and Rhinovirus Exacerbation. PLoS ONE, 2013, 8, e79565.	2.5	17
69	Environmental bacteria and childhood asthma. Allergy: European Journal of Allergy and Clinical Immunology, 2012, 67, 1565-1571.	5.7	87
70	Antagonism of microRNA-126 suppresses the effector function of T _H 2 cells and the development of allergic airways disease. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 18704-18709.	7.1	401
71	ILâ€21 comes of age. Immunology and Cell Biology, 2009, 87, 359-360.	2.3	4
72	Emerging role of tumour necrosis factorâ€related apoptosisâ€inducing ligand (TRAIL) as a key regulator of inflammatory responses. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 1049-1053.	1.9	51

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73	Toll/IL-1 Signaling Is Critical for House Dust Miteâ€“specific Th1 and Th2 Responses. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 883-893.	5.6	148
74	Emerging role of microRNAs in disease pathogenesis and strategies for therapeutic modulation. Current Opinion in Molecular Therapeutics, 2008, 10, 150-7.	2.8	34
75	Regulation of MicroRNA by Antagomirs. American Journal of Respiratory Cell and Molecular Biology, 2007, 36, 8-12.	2.9	76
76	Critical link between TRAIL and CCL20 for the activation of TH2 cells and the expression of allergic airway disease. Nature Medicine, 2007, 13, 1308-1315.	30.7	112
77	Employment of microRNA profiles and RNA interference and antagomirs for the characterization and treatment of respiratory disease. Drug Discovery Today: Therapeutic Strategies, 2006, 3, 325-332.	0.5	2
78	Transgenic Expression of Bean Î±-Amylase Inhibitor in Peas Results in Altered Structure and Immunogenicity. Journal of Agricultural and Food Chemistry, 2005, 53, 9023-9030.	5.2	161
79	Long- and medium-term ozone effects on lung growth including a broad spectrum of exposure. European Respiratory Journal, 2004, 23, 292-299.	6.7	39
80	Eosinophil degranulation in the allergic lung of mice primarily occurs in the airway lumen. Journal of Leukocyte Biology, 2004, 75, 1001-1009.	3.3	49
81	Interleukin-18 enhances the production of interferon-gamma (IFN-Î³) by allergen-specific and unspecific stimulated cord blood mononuclear cells. Cytokine, 2004, 25, 172-178.	3.2	19
82	High interleukin-13 production by phytohaemagglutinin- and Der p 1-stimulated cord blood mononuclear cells is associated with the subsequent development of atopic dermatitis at the age of 3 years. Clinical and Experimental Allergy, 2003, 33, 1537-1543.	2.9	31
83	Polymorphisms in the IL 18 gene are associated with specific sensitization to common allergens and allergic rhinitis. Journal of Allergy and Clinical Immunology, 2003, 111, 117-122.	2.9	119
84	Immunotherapy of Cytotoxic T Cellâ€“resistant Tumors by T Helper 2 Cells. Journal of Experimental Medicine, 2003, 197, 387-393.	8.5	213
85	Intrinsic Defect in T Cell Production of Interleukin (IL)-13 in the Absence of Both IL-5 and Eotaxin Precludes the Development of Eosinophilia and Airways Hyperreactivity in Experimental Asthma. Journal of Experimental Medicine, 2002, 195, 1433-1444.	8.5	250
86	Circadian Variation of Exhaled Nitric Oxide and Urinary Eosinophil Protein X in Asthmatic and Healthy Children. Pediatric Research, 2002, 51, 190-194.	2.3	42
87	Elemental signals regulating eosinophil accumulation in the lung. Immunological Reviews, 2001, 179, 173-181.	6.0	207
88	IL-13 Induces Airways Hyperreactivity Independently of the IL-4RÎ± Chain in the Allergic Lung. Journal of Immunology, 2001, 167, 1683-1692.	0.8	137
89	Active Vaccination Against IL-5 Bypasses Immunological Tolerance and Ameliorates Experimental Asthma. Journal of Immunology, 2001, 167, 3792-3799.	0.8	79
90	Eosinophils Promote Allergic Disease of the Lung by Regulating CD4+ Th2 Lymphocyte Function. Journal of Immunology, 2001, 167, 3146-3155.	0.8	196

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91	Does the Sibling Effect Have Its Origin In Utero? Investigating Birth Order, Cord Blood Immunoglobulin E Concentration, and Allergic Sensitization at Age 4 Years. American Journal of Epidemiology, 2001, 154, 909-915.	3.4	120
92	Integrated Signals Between IL-13, IL-4, and IL-5 Regulate Airways Hyperreactivity. Journal of Immunology, 2000, 165, 108-113.	0.8	292
93	Circadian variation of urinary eosinophil protein X in asthmatic and healthy children. Clinical and Experimental Allergy, 1999, 29, 1497-1501.	2.9	23
94	Pulmonary function in children of school age is related to the number of siblings in their family. , 1999, 28, 414-417.		10
95	NO in exhaled air is correlated with markers of eosinophilic airway inflammation in corticosteroid-dependent childhood asthma. European Respiratory Journal, 1999, 13, 1391-5.	6.7	97