

Martin Witzenrath

List of Publications by Year in descending order

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Version: 2024-02-01

169
papers

11,998
citations

38742

50
h-index

34986

98
g-index

177
all docs

177
docs citations

177
times ranked

21272
citing authors

#	ARTICLE	IF	CITATIONS
1	Severe COVID-19 Is Marked by a Dysregulated Myeloid Cell Compartment. <i>Cell</i> , 2020, 182, 1419-1440.e23.	28.9	1,162
2	SARS-CoV-2-reactive T cells in healthy donors and patients with COVID-19. <i>Nature</i> , 2020, 587, 270-274.	27.8	1,115
3	COVID-19 severity correlates with airway epithelium-immune cell interactions identified by single-cell analysis. <i>Nature Biotechnology</i> , 2020, 38, 970-979.	17.5	887
4	Angiopoietin-2 sensitizes endothelial cells to TNF- α and has a crucial role in the induction of inflammation. <i>Nature Medicine</i> , 2006, 12, 235-239.	30.7	819
5	Ultra-High-Throughput Clinical Proteomics Reveals Classifiers of COVID-19 Infection. <i>Cell Systems</i> , 2020, 11, 11-24.e4.	6.2	439
6	A Therapeutic Non-self-reactive SARS-CoV-2 Antibody Protects from Lung Pathology in a COVID-19 Hamster Model. <i>Cell</i> , 2020, 183, 1058-1069.e19.	28.9	305
7	SARS-CoV-2 infection triggers profibrotic macrophage responses and lung fibrosis. <i>Cell</i> , 2021, 184, 6243-6261.e27.	28.9	277
8	The NLRP3 Inflammasome Is Differentially Activated by Pneumolysin Variants and Contributes to Host Defense in Pneumococcal Pneumonia. <i>Journal of Immunology</i> , 2011, 187, 434-440.	0.8	222
9	IFNs Modify the Proteome of Legionella-Containing Vacuoles and Restrict Infection Via IRG1-Derived Itaconic Acid. <i>PLoS Pathogens</i> , 2016, 12, e1005408.	4.7	195
10	<i>Listeria monocytogenes</i> -Infected Human Peripheral Blood Mononuclear Cells Produce IL-1 β , Depending on Listeriolysin O and NLRP3. <i>Journal of Immunology</i> , 2010, 184, 922-930.	0.8	177
11	Vascular Receptor Autoantibodies in Pulmonary Arterial Hypertension Associated with Systemic Sclerosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 808-817.	5.6	170
12	Adrenomedullin Reduces Endothelial Hyperpermeability. <i>Circulation Research</i> , 2002, 91, 618-625.	4.5	167
13	Tumor necrosis factor- α -dependent expression of phosphodiesterase 2: role in endothelial hyperpermeability. <i>Blood</i> , 2005, 105, 3569-3576.	1.4	159
14	Anti-C5a antibody IFX-1 (vilobelimab) treatment versus best supportive care for patients with severe COVID-19 (PANAMO): an exploratory, open-label, phase 2 randomised controlled trial. <i>Lancet Rheumatology</i> , The, 2020, 2, e764-e773.	3.9	148
15	Systemic use of the endolysin Cpl-1 rescues mice with fatal pneumococcal pneumonia*. <i>Critical Care Medicine</i> , 2009, 37, 642-649.	0.9	136
16	Hypoxic pulmonary vasoconstriction requires connexin 40-mediated endothelial signal conduction. <i>Journal of Clinical Investigation</i> , 2012, 122, 4218-4230.	8.2	134
17	Role of pneumolysin for the development of acute lung injury in pneumococcal pneumonia. <i>Critical Care Medicine</i> , 2006, 34, 1947-1954.	0.9	133
18	Hypertension delays viral clearance and exacerbates airway hyperinflammation in patients with COVID-19. <i>Nature Biotechnology</i> , 2021, 39, 705-716.	17.5	129

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19	A time-resolved proteomic and prognostic map of COVID-19. <i>Cell Systems</i> , 2021, 12, 780-794.e7.	6.2	125
20	Severe Pneumococcal Pneumonia Causes Acute Cardiac Toxicity and Subsequent Cardiac Remodeling. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 609-620.	5.6	120
21	<i>Streptococcus pneumoniae</i> Stimulates a STING- and IFN Regulatory Factor 3-Dependent Type I IFN Production in Macrophages, which Regulates RANTES Production in Macrophages, Cocultured Alveolar Epithelial Cells, and Mouse Lungs. <i>Journal of Immunology</i> , 2012, 188, 811-817.	0.8	106
22	Treatment of Community-Acquired Pneumonia in Immunocompromised Adults. <i>Chest</i> , 2020, 158, 1896-1911.	0.8	105
23	Sphingosine-1-phosphate receptor 4 (S1P ₄) deficiency profoundly affects dendritic cell function and T _H 17 cell differentiation in a murine model. <i>FASEB Journal</i> , 2011, 25, 4024-4036.	0.5	104
24	Optimising experimental research in respiratory diseases: an ERS statement. <i>European Respiratory Journal</i> , 2018, 51, 1702133.	6.7	98
25	Phage capsid nanoparticles with defined ligand arrangement block influenza virus entry. <i>Nature Nanotechnology</i> , 2020, 15, 373-379.	31.5	96
26	Role of Transient Receptor Potential Vanilloid 4 in Neutrophil Activation and Acute Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 54, 370-383.	2.9	95
27	Intracellular Bacteria Differentially Regulated Endothelial Cytokine Release by MAPK-Dependent Histone Modification. <i>Journal of Immunology</i> , 2005, 175, 2843-2850.	0.8	88
28	Histone Acetylation and Flagellin Are Essential for <i>Legionella pneumophila</i> -Induced Cytokine Expression. <i>Journal of Immunology</i> , 2008, 181, 940-947.	0.8	84
29	Update on the Features and Measurements of Experimental Acute Lung Injury in Animals: An Official American Thoracic Society Workshop Report. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2022, 66, e1-e14.	2.9	82
30	European Respiratory Society statement on long COVID follow-up. <i>European Respiratory Journal</i> , 2022, 60, 2102174.	6.7	81
31	CFTR and sphingolipids mediate hypoxic pulmonary vasoconstriction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E1614-23.	7.1	80
32	Studying the pathophysiology of coronavirus disease 2019: a protocol for the Berlin prospective COVID-19 patient cohort (Pa-COVID-19). <i>Infection</i> , 2020, 48, 619-626.	4.7	79
33	Classical Transient Receptor Potential Channel 1 in Hypoxia-induced Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 1451-1459.	5.6	77
34	Dissection of a type I interferon pathway in controlling bacterial intracellular infection in mice. <i>Cellular Microbiology</i> , 2011, 13, 1668-1682.	2.1	75
35	Antibiotic treatment-induced secondary IgA deficiency enhances susceptibility to <i>Pseudomonas aeruginosa</i> pneumonia. <i>Journal of Clinical Investigation</i> , 2018, 128, 3535-3545.	8.2	75
36	A semisynthetic <i>Streptococcus pneumoniae</i> serotype 8 glycoconjugate vaccine. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	73

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37	Small Interfering RNA against Transcription Factor STAT6 Inhibits Allergic Airway Inflammation and Hyperreactivity in Mice. <i>Journal of Immunology</i> , 2009, 182, 7501-7508.	0.8	72
38	Schistosomiasis in European Travelers and Migrants: Analysis of 14 Years TropNet Surveillance Data. <i>American Journal of Tropical Medicine and Hygiene</i> , 2017, 97, 567-574.	1.4	69
39	Dynamics of pulmonary endothelial barrier function in acute inflammation: mechanisms and therapeutic perspectives. <i>Cell and Tissue Research</i> , 2014, 355, 657-673.	2.9	68
40	A Semi-synthetic Glycoconjugate Vaccine Candidate for Carbapenem-resistant <i>Klebsiella pneumoniae</i> . <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13973-13978.	13.8	68
41	Temporal omics analysis in Syrian hamsters unravel cellular effector responses to moderate COVID-19. <i>Nature Communications</i> , 2021, 12, 4869.	12.8	68
42	Phosphodiesterase 2 inhibition diminished acute lung injury in murine pneumococcal pneumonia*. <i>Critical Care Medicine</i> , 2009, 37, 584-590.	0.9	67
43	Spectrum of pathogen- and model-specific histopathologies in mouse models of acute pneumonia. <i>PLoS ONE</i> , 2017, 12, e0188251.	2.5	64
44	Simvastatin attenuates ventilator-induced lung injury in mice. <i>Critical Care</i> , 2010, 14, R143.	5.8	63
45	Severity of respiratory failure and computed chest tomography in acute COVID-19 correlates with pulmonary function and respiratory symptoms after infection with SARS-CoV-2: An observational longitudinal study over 12 months. <i>Respiratory Medicine</i> , 2022, 191, 106709.	2.9	63
46	Mechanical ventilation drives pneumococcal pneumonia into lung injury and sepsis in mice: protection by adrenomedullin. <i>Critical Care</i> , 2014, 18, R73.	5.8	62
47	Prognostic and Pathogenic Role of Angiotensin-1 and -2 in Pneumonia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 220-231.	5.6	58
48	Cystathionine β -Lyase Produced Hydrogen Sulfide Controls Endothelial NO Bioavailability and Blood Pressure. <i>Hypertension</i> , 2018, 71, 1210-1217.	2.7	58
49	Perturbation of endothelial junction proteins by <i>Staphylococcus aureus</i> α -toxin: inhibition of endothelial gap formation by adrenomedullin. <i>Histochemistry and Cell Biology</i> , 2006, 126, 305-316.	1.7	56
50	Delivery of the endolysin Cpl-1 by inhalation rescues mice with fatal pneumococcal pneumonia. <i>Journal of Antimicrobial Chemotherapy</i> , 2013, 68, 2111-2117.	3.0	56
51	Immunostimulation with Macrophage-Activating Lipopeptide-2 Increased Survival in Murine Pneumonia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2009, 40, 474-481.	2.9	54
52	Endothelial adhesion molecules and multiple organ failure in patients with severe sepsis. <i>Cytokine</i> , 2016, 88, 267-273.	3.2	54
53	A <i>Streptococcus pneumoniae</i> Type 2 Oligosaccharide Glycoconjugate Elicits Opsonic Antibodies and Is Protective in an Animal Model of Invasive Pneumococcal Disease. <i>Journal of the American Chemical Society</i> , 2017, 139, 14783-14791.	13.7	54
54	Improving vaccines against <i>Streptococcus pneumoniae</i> using synthetic glycans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 13353-13358.	7.1	53

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55	Increased risk of severe clinical course of COVID-19 in carriers of HLA-C*04:01. <i>EClinicalMedicine</i> , 2021, 40, 101099.	7.1	52
56	A Semi-synthetic Oligosaccharide Conjugate Vaccine Candidate Confers Protection against <i>Streptococcus pneumoniae</i> Serotype 3 Infection. <i>Cell Chemical Biology</i> , 2016, 23, 1407-1416.	5.2	51
57	Disease Severity, Fever, Age, and Sex Correlate With SARS-CoV-2 Neutralizing Antibody Responses. <i>Frontiers in Immunology</i> , 2020, 11, 628971.	4.8	51
58	Semisynthetic glycoconjugate vaccine candidate against <i>Streptococcus pneumoniae</i> serotype 5. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11063-11068.	7.1	50
59	Adrenomedullin attenuates ventilator-induced lung injury in mice. <i>Thorax</i> , 2010, 65, 1077-1084.	5.6	48
60	RNAi-mediated suppression of constitutive pulmonary gene expression by small interfering RNA in mice. <i>Pulmonary Pharmacology and Therapeutics</i> , 2010, 23, 334-344.	2.6	48
61	CD169/SIGLEC1 is expressed on circulating monocytes in COVID-19 and expression levels are associated with disease severity. <i>Infection</i> , 2021, 49, 757-762.	4.7	47
62	25-Hydroxvitamin D3 Promotes the Long-Term Effect of Specific Immunotherapy in a Murine Allergy Model. <i>Journal of Immunology</i> , 2014, 193, 1017-1023.	0.8	44
63	The C-Type Lectin Receptor Mincle Binds to <i>Streptococcus pneumoniae</i> but Plays a Limited Role in the Anti-Pneumococcal Innate Immune Response. <i>PLoS ONE</i> , 2015, 10, e0117022.	2.5	44
64	The Sphingosine-1 Phosphate receptor agonist FTY720 dose dependently affected endothelial integrity in vitro and aggravated ventilator-induced lung injury in mice. <i>Pulmonary Pharmacology and Therapeutics</i> , 2011, 24, 377-385.	2.6	43
65	Sequential organ failure assessment score is an excellent operationalization of disease severity of adult patients with hospitalized community acquired pneumonia – results from the prospective observational PROGRESS study. <i>Critical Care</i> , 2019, 23, 110.	5.8	43
66	The common HAQ STING variant impairs cGAS-dependent antibacterial responses and is associated with susceptibility to Legionnaires' disease in humans. <i>PLoS Pathogens</i> , 2018, 14, e1006829.	4.7	43
67	Development of an Efficacious, Semisynthetic Glycoconjugate Vaccine Candidate against <i>Streptococcus pneumoniae</i> Serotype 1. <i>ACS Central Science</i> , 2018, 4, 357-361.	11.3	42
68	Simvastatin Reduces <i>Chlamydomytila pneumoniae</i> -Mediated Histone Modifications and Gene Expression in Cultured Human Endothelial Cells. <i>Circulation Research</i> , 2008, 102, 888-895.	4.5	41
69	Allergic lung inflammation induces pulmonary vascular hyperresponsiveness. <i>European Respiratory Journal</i> , 2006, 28, 370-377.	6.7	40
70	Pneumolysin induced mitochondrial dysfunction leads to release of mitochondrial DNA. <i>Scientific Reports</i> , 2018, 8, 182.	3.3	40
71	Plasma mediators in patients with severe COVID-19 cause lung endothelial barrier failure. <i>European Respiratory Journal</i> , 2021, 57, 2002384.	6.7	40
72	Role of Local Pulmonary IFN- β Expression in Murine Allergic Airway Inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2006, 35, 211-219.	2.9	39

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73	Antihistone Properties of C1 Esterase Inhibitor Protect against Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 186-199.	5.6	39
74	Increasing the inspiratory time and I:E ratio during mechanical ventilation aggravates ventilator-induced lung injury in mice. Critical Care, 2015, 19, 23.	5.8	36
75	TLR9- and Src-dependent expression of Krueppel-like factor 4 controls interleukin-10 expression in pneumonia. European Respiratory Journal, 2013, 41, 384-391.	6.7	35
76	Immunomodulation by lipid emulsions in pulmonary inflammation: a randomized controlled trial. Critical Care, 2015, 19, 226.	5.8	35
77	Altered fibrin clot structure and dysregulated fibrinolysis contribute to thrombosis risk in severe COVID-19. Blood Advances, 2022, 6, 1074-1087.	5.2	35
78	SHORT-TERM PRECONDITIONING WITH INHALED NITRIC OXIDE PROTECTS RABBIT LUNGS AGAINST ISCHEMIA-REPERFUSION INJURY. Transplantation, 2001, 72, 1363-1370.	1.0	34
79	Vasculotide reduces pulmonary hyperpermeability in experimental pneumococcal pneumonia. Critical Care, 2017, 21, 274.	5.8	33
80	Towards Inhaled Phage Therapy in Western Europe. Viruses, 2019, 11, 295.	3.3	33
81	COVID-19 vs. Classical Myocarditis Associated Myocardial Injury Evaluated by Cardiac Magnetic Resonance and Endomyocardial Biopsy. Frontiers in Cardiovascular Medicine, 2021, 8, 737257.	2.4	33
82	Role of platelet-activating factor in pneumolysin-induced acute lung injury. Critical Care Medicine, 2007, 35, 1756-1762.	0.9	32
83	Pemetrexed-Based Chemotherapy Is Inferior to Pemetrexed-Free Regimens in Thyroid Transcription Factor 1 (TTF-1)-Negative, EGFR/ALK-Negative Lung Adenocarcinoma: A Propensity Score Matched Pairs Analysis. Clinical Lung Cancer, 2020, 21, e607-e621.	2.6	32
84	On Top of the Alveolar Epithelium: Surfactant and the Glycocalyx. International Journal of Molecular Sciences, 2020, 21, 3075.	4.1	32
85	Detection of allergen-induced airway hyperresponsiveness in isolated mouse lungs. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 291, L466-L472.	2.9	29
86	Role of Ryanodine Type 2 Receptors in Elementary Ca ²⁺ Signaling in Arteries and Vascular Adaptive Responses. Journal of the American Heart Association, 2019, 8, e010090.	3.7	29
87	Pneumococcal conjugate serotype distribution and predominating role of serotype 3 in German adults with community-acquired pneumonia. Vaccine, 2020, 38, 1129-1136.	3.8	28
88	KRASG12C/TP53 co-mutations identify long-term responders to first line palliative treatment with pembrolizumab monotherapy in PD-L1 high (≥50%) lung adenocarcinoma. Translational Lung Cancer Research, 2021, 10, 737-752.	2.8	28
89	A proteomic survival predictor for COVID-19 patients in intensive care. , 2022, 1, e0000007.		28
90	Pulmonary Immunostimulation with MALP-2 in Influenza Virus-Infected Mice Increases Survival after Pneumococcal Superinfection. Infection and Immunity, 2015, 83, 4617-4629.	2.2	27

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91	Local ablative treatment for synchronous single organ oligometastatic lung cancer—A propensity score analysis of 180 patients. <i>Lung Cancer</i> , 2018, 125, 164-173.	2.0	27
92	Clinical and virological characteristics of hospitalised COVID-19 patients in a German tertiary care centre during the first wave of the SARS-CoV-2 pandemic: a prospective observational study. <i>Infection</i> , 2021, 49, 703-714.	4.7	27
93	mCLCA3 Modulates IL-17 and CXCL-1 Induction and Leukocyte Recruitment in Murine <i>Staphylococcus aureus</i> Pneumonia. <i>PLoS ONE</i> , 2014, 9, e102606.	2.5	27
94	Immunomodulation by fish-oil containing lipid emulsions in murine acute respiratory distress syndrome. <i>Critical Care</i> , 2014, 18, R85.	5.8	26
95	Undiagnosed Diabetes Mellitus in Community-Acquired Pneumonia: A Prospective Cohort Study. <i>Clinical Infectious Diseases</i> , 2017, 65, 2091-2098.	5.8	26
96	TLR2- and Nucleotide-Binding Oligomerization Domain 2-Dependent KrÄ¼ppel-Like Factor 2 Expression Downregulates NF-Î²-Related Gene Expression. <i>Journal of Immunology</i> , 2010, 185, 597-604.	0.8	24
97	Intermedin Stabilized Endothelial Barrier Function and Attenuated Ventilator-induced Lung Injury in Mice. <i>PLoS ONE</i> , 2012, 7, e35832.	2.5	24
98	Miniaturized Bronchoscopy Enables Unilateral Investigation, Application, and Sampling in Mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 51, 730-737.	2.9	23
99	Cardiovascular sequelae of pneumonia. <i>Current Opinion in Pulmonary Medicine</i> , 2019, 25, 257-262.	2.6	23
100	Pneumolysin induces platelet destruction, not platelet activation, which can be prevented by immunoglobulin preparations in vitro. <i>Blood Advances</i> , 2020, 4, 6315-6326.	5.2	22
101	Critical Illness and Systemic Inflammation Are Key Risk Factors of Severe Acute Kidney Injury in Patients With COVID-19. <i>Kidney International Reports</i> , 2021, 6, 905-915.	0.8	22
102	Heart failure with preserved ejection fraction according to the HFAâ€PEFF score in COVID â€19 patients: clinical correlates and echocardiographic findings. <i>European Journal of Heart Failure</i> , 2021, 23, 1891-1902.	7.1	21
103	cIAP-1 Controls Innate Immunity to <i>C. pneumoniae</i> Pulmonary Infection. <i>PLoS ONE</i> , 2009, 4, e6519.	2.5	20
104	NLRP3 protects alveolar barrier integrity by an inflammasome-independent increase of epithelial cell adherence. <i>Scientific Reports</i> , 2016, 6, 30943.	3.3	20
105	Resolvin E1 and its precursor 18R-HEPE restore mitochondrial function in inflammation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 1016-1028.	2.4	20
106	Rate and Predictors of Bacteremia in Afebrile Community-Acquired Pneumonia. <i>Chest</i> , 2020, 157, 529-539.	0.8	20
107	Key benefits of dexamethasone and antibody treatment in COVID-19 hamster models revealed by single-cell transcriptomics. <i>Molecular Therapy</i> , 2022, 30, 1952-1965.	8.2	20
108	Therapeutic strategies in pneumonia: going beyond antibiotics. <i>European Respiratory Review</i> , 2015, 24, 516-524.	7.1	19

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109	Hypoxic vascular response and ventilation/perfusion matching in end-stage COPD may depend on p22phox. <i>European Respiratory Journal</i> , 2017, 50, 1601651.	6.7	19
110	Bitter taste signaling in tracheal epithelial brush cells elicits innate immune responses to bacterial infection. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	19
111	The cGAS/STING Pathway Detects <i>Streptococcus pneumoniae</i> but Appears Dispensable for Antipneumococcal Defense in Mice and Humans. <i>Infection and Immunity</i> , 2018, 86, .	2.2	18
112	A Biomathematical Model of Pneumococcal Lung Infection and Antibiotic Treatment in Mice. <i>PLoS ONE</i> , 2016, 11, e0156047.	2.5	18
113	Endogenous Nitric Oxide Synthesis and Vascular Leakage in Ischemic-Reperfused Rabbit Lungs. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001, 164, 412-418.	5.6	17
114	Effects of Dimethylarginine Dimethylaminohydrolase ¹ Overexpression on the Response of the Pulmonary Vasculature to Hypoxia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2013, 49, 491-500.	2.9	17
115	Ventilator-induced lung injury is aggravated by antibiotic mediated microbiota depletion in mice. <i>Critical Care</i> , 2018, 22, 282.	5.8	17
116	Neutralizing Complement C5a Protects Mice with Pneumococcal Pulmonary Sepsis. <i>Anesthesiology</i> , 2020, 132, 795-807.	2.5	17
117	Sphingosine Kinase 1 Regulates Inflammation and Contributes to Acute Lung Injury in Pneumococcal Pneumonia via the Sphingosine-1-Phosphate Receptor 2. <i>Critical Care Medicine</i> , 2018, 46, e258-e267.	0.9	16
118	Cell-specific Interleukin-15 and Interleukin-15 receptor subunit expression and regulation in pneumococcal pneumonia—Comparison to chlamydial lung infection. <i>Cytokine</i> , 2007, 38, 61-73.	3.2	15
119	Moxifloxacin is not anti-inflammatory in experimental pneumococcal pneumonia. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 830-840.	3.0	15
120	Spleen tyrosine kinase inhibition blocks airway constriction and protects from Th2 ¹ -induced airway inflammation and remodeling. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017, 72, 1061-1072.	5.7	15
121	Delay in antibiotic therapy results in fatal disease outcome in murine pneumococcal pneumonia. <i>Critical Care</i> , 2018, 22, 287.	5.8	15
122	Rho-kinase and contractile apparatus proteins in murine airway hyperresponsiveness. <i>Experimental and Toxicologic Pathology</i> , 2008, 60, 9-15.	2.1	14
123	Murine CLCA5 is uniquely expressed in distinct niches of airway epithelial cells. <i>Histochemistry and Cell Biology</i> , 2015, 143, 277-287.	1.7	13
124	N-3 vs. n-6 fatty acids differentially influence calcium signalling and adhesion of inflammatory activated monocytes: impact of lipid rafts. <i>Inflammation Research</i> , 2016, 65, 881-894.	4.0	13
125	Indwelling pleural catheters for malignancy-associated pleural effusion: report on a single centre's ten years of experience. <i>BMC Pulmonary Medicine</i> , 2019, 19, 232.	2.0	13
126	Impact of dexamethasone on SARS-CoV-2 concentration kinetics and antibody response in hospitalized COVID-19 patients: results from a prospective observational study. <i>Clinical Microbiology and Infection</i> , 2021, 27, 1520.e7-1520.e10.	6.0	13

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127	The PDE inhibitor zaprinast enhances NO-mediated protection against vascular leakage in reperfused lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000, 279, L496-L502.	2.9	12
128	Nucleotide Oligomerization Domain 1 Ligation Suppressed Murine Allergen-Specific T-Cell Proliferation and Airway Hyperresponsiveness. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014, 50, 903-911.	2.9	12
129	<i>Moraxella catarrhalis</i> induces an immune response in the murine lung that is independent of human CEACAM5 expression and long-term smoke exposure. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L250-L261.	2.9	12
130	The Glycemic Gap and 90-Day Mortality in Community-acquired Pneumonia. A Prospective Cohort Study. <i>Annals of the American Thoracic Society</i> , 2019, 16, 1518-1526.	3.2	12
131	Indwelling pleural catheters for non-malignant pleural effusions: report on a single centre's 10 years of experience. <i>BMJ Open Respiratory Research</i> , 2020, 7, e000501.	3.0	12
132	The impact of the SARS-CoV-2 pandemic on the prevalence of respiratory tract pathogens in patients with community-acquired pneumonia in Germany. <i>Emerging Microbes and Infections</i> , 2021, 10, 1515-1518.	6.5	12
133	Neutrophil-Derived Extracellular Vesicles Activate Platelets after Pneumolysin Exposure. <i>Cells</i> , 2021, 10, 3581.	4.1	12
134	NF- κ B/p100 deficiency impairs immune responses to cell-independent type 2 antigens. <i>European Journal of Immunology</i> , 2014, 44, 662-672.	2.9	11
135	Pembrolizumab as First-Line Palliative Therapy in PD-L1 Overexpressing ($\geq 50\%$) NSCLC: Real-world Results with Special Focus on PS ≥ 2 , Brain Metastases, and Steroids. <i>Clinical Lung Cancer</i> , 2021, 22, 411-422.	2.6	11
136	Digital Image Analyses on Whole-Lung Slides in Mouse Models of Acute Pneumonia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2018, 58, 440-448.	2.9	10
137	High endocan levels are associated with the need for mechanical ventilation among patients with severe sepsis. <i>European Respiratory Journal</i> , 2017, 50, 1700013.	6.7	9
138	Maternal asthma is associated with persistent changes in allergic offspring antibody glycosylation. <i>Clinical and Experimental Allergy</i> , 2020, 50, 520-531.	2.9	9
139	Evaluation of a multiplex PCR screening approach to identify community-acquired bacterial co-infections in COVID-19: a multicenter prospective cohort study of the German competence network of community-acquired pneumonia (CAPNETZ). <i>Infection</i> , 2021, 49, 1299-1306.	4.7	8
140	Early post-discharge mortality in CAP: frequency, risk factors and a prediction tool. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2022, 41, 621.	2.9	8
141	Proteasome β 5i Subunit Deficiency Affects Opsonin Synthesis and Aggravates Pneumococcal Pneumonia. <i>PLoS ONE</i> , 2016, 11, e0153847.	2.5	7
142	Chronic liver disease negatively affects outcome in hospitalised patients with community-acquired pneumonia. <i>Gut</i> , 2021, 70, 221-222.	12.1	7
143	Experimental models of pneumonia-induced sepsis. <i>Drug Discovery Today: Disease Models</i> , 2012, 9, e23-e32.	1.2	6
144	Dynamics of cytokines, immune cell counts and disease severity in patients with community-acquired pneumonia - Unravelling potential causal relationships. <i>Cytokine</i> , 2020, 136, 155263.	3.2	6

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145	No SARS-CoV-2 detection in the German CAPNETZ cohort of community acquired pneumonia before COVID-19 peak in March 2020. <i>Infection</i> , 2020, 48, 971-974.	4.7	6
146	A Semi-synthetic Glycoconjugate Vaccine Candidate for Carbapenem-resistant <i>Klebsiella pneumoniae</i> . <i>Angewandte Chemie</i> , 2017, 129, 14161-14166.	2.0	5
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158	A semisynthetic glycoconjugate provides expanded cross-serotype protection against <i>Streptococcus pneumoniae</i> . <i>Vaccine</i> , 2022, 40, 1038-1046.	3.8	2
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#	ARTICLE	IF	CITATIONS
163	Genetic Regulation of Cytokine Response in Patients with Acute Community-Acquired Pneumonia. <i>Genes</i> , 2022, 13, 111.	2.4	1
164	<i>In Vitro</i> Screening Identifies TRPV4 and PAR1 as Targets for Endothelial Barrier Stabilization in COVID-19. <i>FASEB Journal</i> , 2022, 36, .	0.5	1
165	Mediastinal emphysema after long-distance flight with ketoacidosis and underlying diabetes mellitus type 1. <i>Respirology Case Reports</i> , 2019, 7, e00423.	0.6	0
166	Endoscopic Lung Volume Reduction: Can Endobronchial Valves Be Safely Removed?. <i>Respiration</i> , 2020, 99, 459-460.	2.6	0
167	Connecting the dots: the role of connexins in the pulmonary vascular response to hypoxia. <i>European Respiratory Journal</i> , 2021, 57, 2004573.	6.7	0
168	The CypA-netics of Ventilator-induced Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 385-387.	5.6	0
169	Vasculotide Reduces Pulmonary Permeability in Streptococcus pneumonia Infected and Mechanically Ventilated Mice. , 2019, 73, .		0