

# Matthias Klein

## List of Publications by Year in descending order

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77  
papers

3,490  
citations

236833

25  
h-index

149623

56  
g-index

96  
all docs

96  
docs citations

96  
times ranked

6485  
citing authors

#	ARTICLE	IF	CITATIONS
1	Elevated levels of IL-6 and CRP predict the need for mechanical ventilation in COVID-19. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 146, 128-136.e4.	1.5	783
2	RNA-Seq Identifies Circulating miR-125a-5p, miR-125b-5p, and miR-143-3p as Potential Biomarkers for Acute Ischemic Stroke. <i>Circulation Research</i> , 2017, 121, 970-980.	2.0	210
3	The NLRP3 Inflammasome Contributes to Brain Injury in Pneumococcal Meningitis and Is Activated through ATP-Dependent Lysosomal Cathepsin B Release. <i>Journal of Immunology</i> , 2011, 187, 5440-5451.	0.4	192
4	Serum neurofilament light. <i>Neurology</i> , 2018, 91, e1338-e1347.	1.5	137
5	Innate Immunity to Pneumococcal Infection of the Central Nervous System Depends on Toll-Like Receptor (TLR) 2 and TLR4. <i>Journal of Infectious Diseases</i> , 2008, 198, 1028-1036.	1.9	119
6	The chemokine CXCL13 is a key regulator of B cell recruitment to the cerebrospinal fluid in acute Lyme neuroborreliosis. <i>Journal of Neuroinflammation</i> , 2009, 6, 42.	3.1	118
7	New understandings on the pathophysiology of bacterial meningitis. <i>Current Opinion in Infectious Diseases</i> , 2010, 23, 217-223.	1.3	110
8	Mast cells are crucial for early inflammation, migration of Langerhans cells, and CTL responses following topical application of TLR7 ligand in mice. <i>Blood</i> , 2007, 110, 946-953.	0.6	103
9	Oxidative stress in pneumococcal meningitis: A future target for adjunctive therapy?. <i>Progress in Neurobiology</i> , 2006, 80, 269-280.	2.8	96
10	Medical Emergencies During the COVID-19 Pandemic. <i>Deutsches Ärzteblatt International</i> , 2020, 117, 545-552.	0.6	87
11	Arterial cerebrovascular complications in 94 adults with acute bacterial meningitis. <i>Critical Care</i> , 2011, 15, R281.	2.5	83
12	Complement C1q and C3 Are Critical for the Innate Immune Response to <i>Streptococcus pneumoniae</i> in the Central Nervous System. <i>Journal of Immunology</i> , 2007, 178, 1861-1869.	0.4	78
13	Dual Specificity Phosphatase 1 Knockout Mice Show Enhanced Susceptibility to Anaphylaxis but Are Sensitive to Glucocorticoids. <i>Molecular Endocrinology</i> , 2007, 21, 2663-2671.	3.7	76
14	Meningitis-associated hearing loss: Protection by adjunctive antioxidant therapy. <i>Annals of Neurology</i> , 2003, 54, 451-458.	2.8	75
15	X-Ray Properties of SPT-selected Galaxy Clusters at 0.2 <math>z</math> <math>1.5</math> Observed with XMM-Newton. <i>Astrophysical Journal</i> , 2019, 871, 50.	1.6	74
16	Protein expression pattern in experimental pneumococcal meningitis. <i>Microbes and Infection</i> , 2006, 8, 974-983.	1.0	54
17	Impact of Glutamine Transporters on Pneumococcal Fitness under Infection-Related Conditions. <i>Infection and Immunity</i> , 2011, 79, 44-58.	1.0	52
18	Nitrogen and Oxygen Molecules in Meningitis-Associated Labyrinthitis and Hearing Impairment. <i>Infection</i> , 2008, 36, 2-14.	2.3	50

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19	Dramatic reduction of mortality in pneumococcal meningitis. <i>Critical Care</i> , 2016, 20, 312.	2.5	46
20	Morphological Correlates of Acute and Permanent Hearing Loss During Experimental Pneumococcal Meningitis. <i>Brain Pathology</i> , 2003, 13, 123-132.	2.1	44
21	Genetic Variation Determines Mast Cell Functions in Experimental Asthma. <i>Journal of Immunology</i> , 2011, 186, 7225-7231.	0.4	37
22	High mobility group box 1 prolongs inflammation and worsens disease in pneumococcal meningitis. <i>Brain</i> , 2013, 136, 1746-1759.	3.7	34
23	Myeloid-Related Protein 14 Promotes Inflammation and Injury in Meningitis. <i>Journal of Infectious Diseases</i> , 2015, 212, 247-257.	1.9	30
24	Therapy of community-acquired acute bacterial meningitis: the clock is running. <i>Expert Opinion on Pharmacotherapy</i> , 2009, 10, 2609-2623.	0.9	29
25	Spectrum and Prevalence of Pathological Intracranial Magnetic Resonance Imaging Findings in Acute Bacterial Meningitis. <i>Clinical Neuroradiology</i> , 2016, 26, 159-167.	1.0	29
26	CXCL16 Contributes to Neutrophil Recruitment to Cerebrospinal Fluid in Pneumococcal Meningitis. <i>Journal of Infectious Diseases</i> , 2010, 202, 1389-1396.	1.9	27
27	Circulating Metabolites Differentiate Acute Ischemic Stroke from Stroke Mimics. <i>Annals of Neurology</i> , 2020, 88, 736-746.	2.8	27
28	Reduced spiral ganglion neuronal loss by adjunctive neurotrophin-3 in experimental pneumococcal meningitis. <i>Journal of Neuroinflammation</i> , 2011, 8, 7.	3.1	26
29	Leukocyte Attraction by CCL20 and Its Receptor CCR6 in Humans and Mice with Pneumococcal Meningitis. <i>PLoS ONE</i> , 2014, 9, e93057.	1.1	26
30	Challenges in HSV encephalitis: normocellular CSF, unremarkable CCT, and atypical MRI findings. <i>Infection</i> , 2019, 47, 267-273.	2.3	26
31	Extracellular Vesicle Associated miRNAs Regulate Signaling Pathways Involved in COVID-19 Pneumonia and the Progression to Severe Acute Respiratory Corona Virus-2 Syndrome. <i>Frontiers in Immunology</i> , 2021, 12, 784028.	2.2	25
32	Diagnostic potential of circulating cell-free microRNAs for community-acquired pneumonia and pneumonia-related sepsis. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 12054-12064.	1.6	24
33	MyD88-Dependent Immune Response Contributes to Hearing Loss in Experimental Pneumococcal Meningitis. <i>Journal of Infectious Diseases</i> , 2007, 195, 1189-1193.	1.9	23
34	Outcome of patients with acute bacterial meningitis in a teaching hospital in Ethiopia: A prospective study. <i>PLoS ONE</i> , 2018, 13, e0200067.	1.1	23
35	Mast cell-derived mediators promote murine neutrophil effector functions. <i>International Immunology</i> , 2013, 25, 553-561.	1.8	22
36	Ultrafast Brain Magnetic Resonance Imaging in Acute Neurological Emergencies. <i>Investigative Radiology</i> , 2020, 55, 181-189.	3.5	21

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37	Adjuvant glycerol is not beneficial in experimental pneumococcal meningitis. BMC Infectious Diseases, 2010, 10, 84.	1.3	20
38	Bacterial meningitis: current therapy and possible future treatment options. Expert Review of Anti-Infective Therapy, 2011, 9, 1053-1065.	2.0	20
39	Inhibition of DAMP signaling as an effective adjunctive treatment strategy in pneumococcal meningitis. Journal of Neuroinflammation, 2017, 14, 214.	3.1	20
40	Intra-Arterial Nimodipine in Progressive Postpartum Cerebral Angiopathy. Cephalalgia, 2009, 29, 279-282.	1.8	19
41	Idarucizumab administration in emergency situations: the Munich Registry of Reversal of Pradaxa® in clinical routine (MR REPAIR). Journal of Neurology, 2019, 266, 2807-2811.	1.8	19
42	Progressive encephalomyelitis with rigidity and myoclonus preceding otherwise asymptomatic Hodgkin's lymphoma. Journal of the Neurological Sciences, 2010, 291, 118-120.	0.3	18
43	Stabbing Headache as a Sign of Relapses in Multiple Sclerosis. Headache, 2013, 53, 1159-1161.	1.8	18
44	DELAYED CEREBRAL THROMBOSIS AFTER INITIAL GOOD RECOVERY FROM PNEUMOCOCCAL MENINGITIS. Neurology, 2010, 75, 193-194.	1.5	17
45	In-depth profiling of COVID-19 risk factors and preventive measures in healthcare workers. Infection, 2022, 50, 381-394.	2.3	17
46	Modulation of Brain Injury as a Target of Adjunctive Therapy in Bacterial Meningitis. Current Infectious Disease Reports, 2010, 12, 266-273.	1.3	16
47	Impaired Consciousness in the Emergency Department. European Neurology, 2018, 80, 179-186.	0.6	16
48	Persistence of functional memory B cells recognizing SARS-CoV-2 variants despite loss of specific IgG. IScience, 2022, 25, 103659.	1.9	16
49	German guidelines on the diagnosis and treatment of neurosyphilis. Neurological Research and Practice, 2020, 2, 33.	1.0	15
50	Calibration of bias and scatter involved in cluster mass measurements using optical weak gravitational lensing. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5671-5689.	1.6	15
51	Weak lensing measurements of the APEX-SZ galaxy cluster sample. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1704-1727.	1.6	14
52	Cost-effectiveness of short-protocol emergency brain MRI after negative non-contrast CT for minor stroke detection. European Radiology, 2022, 32, 1117-1126.	2.3	14
53	Impaired Mast Cell-Driven Immune Responses in Mice Lacking the Transcription Factor NFATc2. Journal of Immunology, 2009, 182, 6136-6142.	0.4	12
54	Role of purinergic signaling in experimental pneumococcal meningitis. Scientific Reports, 2017, 7, 44625.	1.6	12

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55	SOP: emergency workup in patients with suspected acute bacterial meningitis. <i>Neurological Research and Practice</i> , 2021, 3, 2.	1.0	12
56	Decline in the number of patients with meningitis in German hospitals during the COVID-19 pandemic. <i>Journal of Neurology</i> , 2022, 269, 3389-3399.	1.8	12
57	Challenges of bacterial meningitis case management in low income settings: an experience from Ethiopia. <i>Tropical Medicine and International Health</i> , 2016, 21, 870-878.	1.0	11
58	The potential for CXCL13 in CSF as a differential diagnostic tool in central nervous system infection. <i>Expert Review of Anti-Infective Therapy</i> , 2020, 18, 875-885.	2.0	11
59	Differential regulation of blood-brain barrier permeability in brain trauma and pneumococcal meningitis: role of Src kinases. <i>Experimental Neurology</i> , 2007, 203, 158-167.	2.0	10
60	Adjunctive N-Acetyl-Cysteine in Treatment of Murine Pneumococcal Meningitis. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 4825-4830.	1.4	9
61	Mast Cells Are Activated by <i>Streptococcus pneumoniae</i> In Vitro but Dispensable for the Host Defense Against Pneumococcal Central Nervous System Infection In Vivo. <i>Frontiers in Immunology</i> , 2018, 9, 550.	2.2	9
62	Adjuvant non-bacteriolytic and anti-inflammatory combination therapy in pneumococcal meningitis: an investigation in a mouse model. <i>Clinical Microbiology and Infection</i> , 2019, 25, 108.e9-108.e15.	2.8	9
63	Simulation-Based Training of the Rapid Evaluation and Management of Acute Stroke (STREAM) A Prospective Single-Arm Multicenter Trial. <i>Frontiers in Neurology</i> , 2019, 10, 969.	1.1	9
64	Adjunctive dexamethasone therapy in unconfirmed bacterial meningitis in resource limited settings: is it a risk worth taking?. <i>BMC Neurology</i> , 2016, 16, 153.	0.8	7
65	Optical follow-up study of 32 high-redshift galaxy cluster candidates from Planck with the William Herschel Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2523-2542.	1.6	7
66	Progranulin signaling in sepsis, community-acquired bacterial pneumonia and COVID-19: a comparative, observational study. <i>Intensive Care Medicine Experimental</i> , 2021, 9, 43.	0.9	7
67	Pneumococcal meningitis-associated pyogenic ventriculitis. <i>Journal of Infection</i> , 2015, 70, 311-314.	1.7	6
68	Neuroinfectious diseases at a European neurological tertiary care center: one-third of patients require treatment in the neurological intensive care unit. <i>European Journal of Neurology</i> , 2014, 21, 1500-1503.	1.7	5
69	IGNITE Status Epilepticus Survey: A Nationwide Interrogation about the Current Management of Status Epilepticus in Germany. <i>Journal of Clinical Medicine</i> , 2022, 11, 1171.	1.0	5
70	Uncomplicated Pregnancy and Delivery after Previous Severe Postpartum Cerebral Angiopathy. <i>Case Reports in Neurology</i> , 2011, 3, 252-257.	0.3	4
71	Bioccipital Lobe Hypoperfusion and Anton's Syndrome Resolution with Intravenous Thrombolysis. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019, 28, 227-228.	0.7	2
72	Neurological infections in 2019: challenges, solutions, and open questions. <i>Lancet Neurology</i> , The, 2020, 19, 19-20.	4.9	2

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73	Specific Management of Patients with Acute Abdomen during the COVID-19 Pandemic: A Surgical Perspective from Germany. <i>Visceral Medicine</i> , 2020, 36, 417-420.	0.5	2
74	Patient disposition using the Emergency Severity Index: a retrospective observational study at an interdisciplinary emergency department. <i>BMJ Open</i> , 2022, 12, e057684.	0.8	2
75	Polyneuropathy Associated with Cholesterol Crystal Embolism. <i>Neurocritical Care</i> , 2010, 12, 74-78.	1.2	0
76	Immunopathogenesis of Bacterial Meningitis. , 2014, , 387-404.		0
77	Infektionen. , 2015, , 505-575.		0