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	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
2	In-depth profiling of COVID-19 risk factors and preventive measures in healthcare workers. Infection, 2022, 50, 381-394.	2.3	17
3	Persistence of functional memory B cells recognizing SARS-CoV-2 variants despite loss of specific IgG. IScience, 2022, 25, 103659.	1.9	16
4	IGNITE Status Epilepticus Survey: A Nationwide Interrogation about the Current Management of Status Epilepticus in Germany. Journal of Clinical Medicine, 2022, 11, 1171.	1.0	5
5	Decline in the number of patients with meningitis in German hospitals during the COVID-19 pandemic. Journal of Neurology, 2022, 269, 3389-3399.	1.8	12
6	Patient disposition using the Emergency Severity Index: a retrospective observational study at an interdisciplinary emergency department. BMJ Open, 2022, 12, e057684.	0.8	2
7	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
8	Progranulin signaling in sepsis, community-acquired bacterial pneumonia and COVID-19: a comparative, observational study. Intensive Care Medicine Experimental, 2021, 9, 43.	0.9	7
9	SOP: emergency workup in patients with suspected acute bacterial meningitis. Neurological Research and Practice, 2021, 3, 2.	1.0	12
10	Extracellular Vesicle Associated miRNAs Regulate Signaling Pathways Involved in COVID-19 Pneumonia and the Progression to Severe Acute Respiratory Corona Virus-2 Syndrome. Frontiers in Immunology, 2021, 12, 784028.	2.2	25
11	Neurological infections in 2019: challenges, solutions, and open questions. Lancet Neurology, The, 2020, 19, 19-20.	4.9	2
12	Diagnostic potential of circulating cellâ€free microRNAs for communityâ€acquired pneumonia and pneumoniaâ€related sepsis. Journal of Cellular and Molecular Medicine, 2020, 24, 12054-12064.	1.6	24
13	German guidelines on the diagnosis and treatment of neurosyphilis. Neurological Research and Practice, 2020, 2, 33.	1.0	15
14	Circulating Metabolites Differentiate Acute Ischemic Stroke from Stroke Mimics. Annals of Neurology, 2020, 88, 736-746.	2.8	27
15	Elevated levels of IL-6 and CRP predict the need for mechanical ventilation in COVID-19. Journal of Allergy and Clinical Immunology, 2020, 146, 128-136.e4.	1.5	783
16	The potential for CXCL13 in CSF as a differential diagnostic tool in central nervous system infection. Expert Review of Anti-Infective Therapy, 2020, 18, 875-885.	2.0	11
17	Specific Management of Patients with Acute Abdomen during the COVID-19 Pandemic: A Surgical Perspective from Germany. Visceral Medicine, 2020, 36, 417-420.	0.5	2
18	Ultrafast Brain Magnetic Resonance Imaging in Acute Neurological Emergencies. Investigative Radiology, 2020, 55, 181-189.	3.5	21

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19	Medical Emergencies During the COVID-19 Pandemic. Deutsches Ärzteblatt International, 2020, 117, 545-552.	0.6	87
20	Adjuvant non-bacteriolytic and anti-inflammatory combination therapy in pneumococcal meningitis: an investigation in a mouse model. Clinical Microbiology and Infection, 2019, 25, 108.e9-108.e15.	2.8	9
21	Optical follow-up study of 32 high-redshift galaxy cluster candidates from Planck with the William Herschel Telescope. Monthly Notices of the Royal Astronomical Society, 2019, 488, 2523-2542.	1.6	7
22	Idarucizumab administration in emergency situations: the Munich Registry of Reversal of PradaxaÂ® in clinical routine (MR REPAIR). Journal of Neurology, 2019, 266, 2807-2811.	1.8	19
23	Weak lensing measurements of the APEX-SZ galaxy cluster sample. Monthly Notices of the Royal Astronomical Society, 2019, 488, 1704-1727.	1.6	14
24	X-Ray Properties of SPT-selected Galaxy Clusters at 0.2 < z < 1.5 Observed with XMM-Newton. Astrophysical Journal, 2019, 871, 50.	1.6	74
25	Simulation-Based Training of the Rapid Evaluation and Management of Acute Stroke (STREAM)â€"A Prospective Single-Arm Multicenter Trial. Frontiers in Neurology, 2019, 10, 969.	1.1	9
26	Challenges in HSV encephalitis: normocellular CSF, unremarkable CCT, and atypical MRI findings. Infection, 2019, 47, 267-273.	2.3	26
27	Bioccipital Lobe Hypoperfusion and Anton's Syndrome Resolution with Intravenous Thrombolysis. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 227-228.	0.7	2
28	Impaired Consciousness in the Emergency Department. European Neurology, 2018, 80, 179-186.	0.6	16
29	Serum neurofilament light. Neurology, 2018, 91, e1338-e1347.	1.5	137
30	Mast Cells Are Activated by Streptococcus pneumoniae In Vitro but Dispensable for the Host Defense Against Pneumococcal Central Nervous System Infection In Vivo. Frontiers in Immunology, 2018, 9, 550.	2.2	9
31	Outcome of patients with acute bacterial meningitis in a teaching hospital in Ethiopia: A prospective study. PLoS ONE, 2018, 13, e0200067.	1.1	23
32	Role of purinergic signaling in experimental pneumococcal meningitis. Scientific Reports, 2017, 7, 44625.	1.6	12
33	RNA-Seq Identifies Circulating miR-125a-5p, miR-125b-5p, and miR-143-3p as Potential Biomarkers for Acute Ischemic Stroke. Circulation Research, 2017, 121, 970-980.	2.0	210
34	Inhibition of DAMP signaling as an effective adjunctive treatment strategy in pneumococcal meningitis. Journal of Neuroinflammation, 2017, 14, 214.	3.1	20
35	Spectrum and Prevalence of Pathological Intracranial Magnetic Resonance Imaging Findings in Acute Bacterial Meningitis. Clinical Neuroradiology, 2016, 26, 159-167.	1.0	29
36	Challenges of bacterial meningitis case management in low income settings: an experience from Ethiopia. Tropical Medicine and International Health, 2016, 21, 870-878.	1.0	11

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37	Adjunctive dexamethasone therapy in unconfirmed bacterial meningitis in resource limited settings: is it a risk worth taking?. BMC Neurology, 2016, 16, 153.	0.8	7
38	Dramatic reduction of mortality in pneumococcal meningitis. Critical Care, 2016, 20, 312.	2.5	46
39	Pneumococcal meningitis-associated pyogenic ventriculitis. Journal of Infection, 2015, 70, 311-314.	1.7	6
40	Myeloid-Related Protein 14 Promotes Inflammation and Injury in Meningitis. Journal of Infectious Diseases, 2015, 212, 247-257.	1.9	30
41	Infektionen. , 2015, , 505-575.		0
42	Leukocyte Attraction by CCL20 and Its Receptor CCR6 in Humans and Mice with Pneumococcal Meningitis. PLoS ONE, 2014, 9, e93057.	1.1	26
43	Neuroinfectious diseases at a <scp>E</scp>uropean neurological tertiary care center: oneâ€third of patients require treatment in the neurological intensive care unit. European Journal of Neurology, 2014, 21, 1500-1503.	1.7	5
44	Immunopathogenesis of Bacterial Meningitis. , 2014, , 387-404.		0
45	High mobility group box 1 prolongs inflammation and worsens disease in pneumococcal meningitis. Brain, 2013, 136, 1746-1759.	3.7	34
46	Mast cell-derived mediators promote murine neutrophil effector functions. International Immunology, 2013, 25, 553-561.	1.8	22
47	Stabbing Headache as a Sign of Relapses in Multiple Sclerosis. Headache, 2013, 53, 1159-1161.	1.8	18
48	Adjunctive N -Acetyl- <scp>l</scp> -Cysteine in Treatment of Murine Pneumococcal Meningitis. Antimicrobial Agents and Chemotherapy, 2013, 57, 4825-4830.	1.4	9
49	Bacterial meningitis: current therapy and possible future treatment options. Expert Review of Anti-Infective Therapy, 2011, 9, 1053-1065.	2.0	20
50	Arterial cerebrovascular complications in 94 adults with acute bacterial meningitis. Critical Care, 2011, 15, R281.	2.5	83
51	Uncomplicated Pregnancy and Delivery after Previous Severe Postpartum Cerebral Angiopathy. Case Reports in Neurology, 2011, 3, 252-257.	0.3	4
52	Reduced spiral ganglion neuronal loss by adjunctive neurotrophin-3 in experimental pneumococcal meningitis. Journal of Neuroinflammation, 2011, 8, 7.	3.1	26
53	Impact of Glutamine Transporters on Pneumococcal Fitness under Infection-Related Conditions. Infection and Immunity, 2011, 79, 44-58.	1.0	52
54	The NLRP3 Inflammasome Contributes to Brain Injury in Pneumococcal Meningitis and Is Activated through ATP-Dependent Lysosomal Cathepsin B Release. Journal of Immunology, 2011, 187, 5440-5451.	0.4	192

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55	Genetic Variation Determines Mast Cell Functions in Experimental Asthma. Journal of Immunology, 2011, 186, 7225-7231.	0.4	37
56	New understandings on the pathophysiology of bacterial meningitis. Current Opinion in Infectious Diseases, 2010, 23, 217-223.	1.3	110
57	Polyneuropathy Associated with Cholesterol Crystal Embolism. Neurocritical Care, 2010, 12, 74-78.	1.2	0
58	Modulation of Brain Injury as a Target of Adjunctive Therapy in Bacterial Meningitis. Current Infectious Disease Reports, 2010, 12, 266-273.	1.3	16
59	Adjuvant glycerol is not beneficial in experimental pneumococcal meningitis. BMC Infectious Diseases, 2010, 10, 84.	1.3	20
60	CXCL16 Contributes to Neutrophil Recruitment to Cerebrospinal Fluid in Pneumococcal Meningitis. Journal of Infectious Diseases, 2010, 202, 1389-1396.	1.9	27
61	DELAYED CEREBRAL THROMBOSIS AFTER INITIAL GOOD RECOVERY FROM PNEUMOCOCCAL MENINGITIS. Neurology, 2010, 75, 193-194.	1.5	17
62	Progressive encephalomyelitis with rigidity and myoclonus preceding otherwise asymptomatic Hodgkin's lymphoma. Journal of the Neurological Sciences, 2010, 291, 118-120.	0.3	18
63	Impaired Mast Cell-Driven Immune Responses in Mice Lacking the Transcription Factor NFATc2. Journal of Immunology, 2009, 182, 6136-6142.	0.4	12
64	Intra-Arterial Nimodipine in Progressive Postpartum Cerebral Angiopathy. Cephalalgia, 2009, 29, 279-282.	1.8	19
65	The chemokine CXCL13 is a key regulator of B cell recruitment to the cerebrospinal fluid in acute Lyme neuroborreliosis. Journal of Neuroinflammation, 2009, 6, 42.	3.1	118
66	Therapy of community-acquired acute bacterial meningitis: the clock is running. Expert Opinion on Pharmacotherapy, 2009, 10, 2609-2623.	0.9	29
67	Nitrogen and Oxygen Molecules in Meningitis-Associated Labyrinthitis and Hearing Impairment. Infection, 2008, 36, 2-14.	2.3	50
68	Innate Immunity to Pneumococcal Infection of the Central Nervous System Depends on Tollâ€Like Receptor (TLR) 2 and TLR4. Journal of Infectious Diseases, 2008, 198, 1028-1036.	1.9	119
69	MyD88â€Dependent Immune Response Contributes to Hearing Loss in Experimental Pneumococcal Meningitis. Journal of Infectious Diseases, 2007, 195, 1189-1193.	1.9	23
70	Complement C1q and C3 Are Critical for the Innate Immune Response to Streptococcus pneumoniae in the Central Nervous System. Journal of Immunology, 2007, 178, 1861-1869.	0.4	78
71	Dual Specificity Phosphatase 1 Knockout Mice Show Enhanced Susceptibility to Anaphylaxis but Are Sensitive to Glucocorticoids. Molecular Endocrinology, 2007, 21, 2663-2671.	3.7	76
72	Mast cells are crucial for early inflammation, migration of Langerhans cells, and CTL responses following topical application of TLR7 ligand in mice. Blood, 2007, 110, 946-953.	0.6	103

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73	Differential regulation of bloodâ€“brain barrier permeability in brain trauma and pneumococcal meningitisâ€”role of Src kinases. Experimental Neurology, 2007, 203, 158-167.	2.0	10
74	Oxidative stress in pneumococcal meningitis: A future target for adjunctive therapy?. Progress in Neurobiology, 2006, 80, 269-280.	2.8	96
75	Protein expression pattern in experimental pneumococcal meningitis. Microbes and Infection, 2006, 8, 974-983.	1.0	54
76	Meningitis-associated hearing loss: Protection by adjunctive antioxidant therapy. Annals of Neurology, 2003, 54, 451-458.	2.8	75
77	Morphological Correlates of Acute and Permanent Hearing Loss During Experimental Pneumococcal Meningitis. Brain Pathology, 2003, 13, 123-132.	2.1	44