Stefanie Kuerten

List of Publications by Year
in descending order

91 papers	2,294 citations	257450 24 h-index	276875 41 g-index
96 all docs	96 docs citations	96 times ranked	3468 citing authors

#	Article	IF	Citations
1	CNS Cell Distribution and Axon Orientation Determine Local Spinal Cord Mechanical Properties. Biophysical Journal, 2015, 108, 2137-2147.	0.5	136
2	Blood coagulation factor XII drives adaptive immunity during neuroinflammation via CD87-mediated modulation of dendritic cells. Nature Communications, 2016, 7, 11626.	12.8	105
3	Disorders of the enteric nervous system â€" a holistic view. Nature Reviews Gastroenterology and Hepatology, 2021, 18, 393-410.	17.8	100
4	MP4- and MOG:35â€"55-induced EAE in C57BL/6 mice differentially targets brain, spinal cord and cerebellumâ˜†. Journal of Neuroimmunology, 2007, 189, 31-40.	2.3	94
5	Tertiary lymphoid organ development coincides with determinant spreading of the myelin-specific T cell response. Acta Neuropathologica, 2012, 124, 861-873.	7.7	90
6	Granzyme B production distinguishes recently activated CD8+ memory cells from resting memory cells. Cellular Immunology, 2007, 247, 36-48.	3.0	62
7	Emerging concepts in autoimmune encephalomyelitis beyond the CD4/TH1 paradigm. Annals of Anatomy, 2010, 192, 179-193.	1.9	62
8	Experimental autoimmune encephalomyelitis â€" achievements and prospective advances. Apmis, 2011, 119, 819-830.	2.0	60
9	Nimodipine fosters remyelination in a mouse model of multiple sclerosis and induces microglia-specific apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3295-E3304.	7.1	52
10	MBP-PLP fusion protein-induced EAE in C57BL/6 mice. Journal of Neuroimmunology, 2006, 177, 99-111.	2.3	50
11	The Immune Pathogenesis of Experimental Autoimmune Encephalomyelitis: Lessons Learned for Multiple Sclerosis?. Journal of Interferon and Cytokine Research, 2011, 31, 907-916.	1.2	50
12	Manually-stimulated recovery of motor function after facial nerve injury requires intact sensory input. Experimental Neurology, 2008, 211, 292-300.	4.1	49
13	Dissociated Production of Perforin, Granzyme B, and IFN-Î³ by HIV-Specific CD8⁺Cells in HIV Infection. AIDS Research and Human Retroviruses, 2008, 24, 62-71.	1.1	47
14	Neuroprotective role of fibroblast growth factorâ€2 in experimental autoimmune encephalomyelitis. Immunology, 2011, 133, 370-378.	4.4	47
15	The vascular adventitia: An endogenous, omnipresent source of stem cells in the body. , 2017, 171, 13-29.		43
16	Severe bornavirus-encephalitis presenting as Guillainâ€"BarrÃ©-syndrome. Acta Neuropathologica, 2019, 137, 1017-1019.	7.7	43
17	Fundamental differences in the dynamics of CNS lesion development and composition in MP4- and MOG peptide 35â€"55-induced experimental autoimmune encephalomyelitis. Clinical Immunology, 2008, 129, 256-267.	3.2	41
18	Manual stimulation of the orbicularis oculi muscle improves eyelid closure after facial nerve injury in adult rats. Muscle and Nerve, 2009, 39, 197-205.	2.2	40

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19	The enteric nervous system is a potential autoimmune target in multiple sclerosis. Acta Neuropathologica, 2017, 134, 281-295.	7.7	38
20	Comparing the CNS morphology and immunobiology of different EAE models in C57BL/6 mice â€“ A step towards understanding the complexity of multiple sclerosis. Annals of Anatomy, 2008, 190, 1-15.	1.9	37
21	Autoantibodies against central nervous system antigens in a subset of B cellâ€“dominant multiple sclerosis patients. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 21512-21518.	7.1	36
22	CREMÎ± overexpression decreases IL-2 production, induces a TH17 phenotype and accelerates autoimmunity. Journal of Molecular Cell Biology, 2012, 4, 121-123.	3.3	34
23	Early axonal damage and progressive myelin pathology define the kinetics of CNS histopathology in a mouse model of multiple sclerosis. Clinical Immunology, 2013, 149, 32-45.	3.2	33
24	Danger: High Voltageâ€”The Role of Voltage-Gated Calcium Channels in Central Nervous System Pathology. Cells, 2017, 6, 43.	4.1	33
25	IL-21 in Conjunction with Anti-CD40 and IL-4 Constitutes a Potent Polyclonal B Cell Stimulator for Monitoring Antigen-Specific Memory B Cells. Cells, 2020, 9, 433.	4.1	31
26	Differential patterns of spinal cord pathology induced by MP4, MOG peptide 35-55, and PLP peptide 178-191 in C57BL/6 mice. Apmis, 2011, 119, 336-346.	2.0	29
27	Identification of a B cell-dependent subpopulation of multiple sclerosis by measurements of brain-reactive B cells in the blood. Clinical Immunology, 2014, 152, 20-24.	3.2	27
28	Manual Stimulation of the Suprahyoid-Sublingual Region Diminishes Polynnervation of the Motor Endplates and Improves Recovery of Function After Hypoglossal Nerve Injury in Rats. Neurorehabilitation and Neural Repair, 2008, 22, 754-768.	2.9	25
29	Impact of Glatiramer Acetate on B Cell-Mediated Pathogenesis of Multiple Sclerosis. CNS Drugs, 2018, 32, 1039-1051.	5.9	25
30	Nav1.6 promotes inflammation and neuronal degeneration in a mouse model of multiple sclerosis. Journal of Neuroinflammation, 2019, 16, 215.	7.2	25
31	The role of CEA-related cell adhesion molecule-1 (CEACAM1) in vascular homeostasis. Histochemistry and Cell Biology, 2016, 146, 657-671.	1.7	24
32	A Positive Control for Detection of Functional CD4 T Cells in PBMC: The CPI Pool. Cells, 2017, 6, 47.	4.1	24
33	The complement system contributes to the pathology of experimental autoimmune encephalomyelitis by triggering demyelination and modifying the antigen-specific T and B cell response. Clinical Immunology, 2013, 146, 155-164.	3.2	23
34	Splitting the â€œUnsplittableâ€ Dissecting Resident and Infiltrating Macrophages in Experimental Autoimmune Encephalomyelitis. International Journal of Molecular Sciences, 2017, 18, 2072.	4.1	23
35	Generation of Cardiomyocytes From Vascular Adventitia-Resident Stem Cells. Circulation Research, 2018, 123, 686-699.	4.5	23
36	Strategies for Neuroprotection in Multiple Sclerosis and the Role of Calcium. International Journal of Molecular Sciences, 2020, 21, 1663.	4.1	23

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37	Bone marrow-derived mesenchymal stem cell transplantation does not improve quality of muscle reinnervation or recovery of motor function after facial nerve transection in rats. Biological Chemistry, 2008, 389, 873-88.	2.5	22
38	Spinal cord histopathology of MOG peptide 35â€“55-induced experimental autoimmune encephalomyelitis is time- and score-dependent. Neuroscience Letters, 2011, 494, 227-231.	2.1	22
39	Myelin-reactive antibodies mediate the pathology of MBPâ€“PLP fusion protein MP4-induced EAE. Clinical Immunology, 2011, 140, 54-62.	3.2	22
40	B Cells and B Cell Blasts Withstand Cryopreservation While Retaining Their Functionality for Producing Antibody. Cells, 2018, 7, 50.	4.1	22
41	The clinical course of EAE is reflected by the dynamics of the neuroantigen-specific T cell compartment in the blood. Clinical Immunology, 2010, 137, 422-432.	3.2	21
42	Resting of Cryopreserved PBMC Does Not Generally Benefit the Performance of Antigen-Specific T Cell ELISPOT Assays. Cells, 2012, 1, 409-427.	4.1	21
43	Stepchild or Prodigy? Neuroprotection in Multiple Sclerosis (MS) Research. International Journal of Molecular Sciences, 2015, 16, 14850-14865.	4.1	21
44	Characterization of the HCMV-Specific CD4 T Cell Responses that Are Associated with Protective Immunity. Viruses, 2015, 7, 4414-4437.	3.3	21
45	Differential effects of FTY720 on the B cell compartment in a mouse model of multiple sclerosis. Journal of Neuroinflammation, 2017, 14, 148.	7.2	20
46	Differential aspects of immune cell infiltration and neurodegeneration in acute and relapse experimental autoimmune encephalomyelitis. Clinical Immunology, 2013, 149, 519-529.	3.2	19
47	Delayed Activation Kinetics of Th2- and Th17 Cells Compared to Th1 Cells. Cells, 2017, 6, 29.	4.1	19
48	Contribution of LTi and TH17 cells to B cell aggregate formation in the central nervous system in a mouse model of multiple sclerosis. Journal of Neuroinflammation, 2019, 16, 111.	7.2	19
49	Anti-CD52 antibody treatment depletes B cell aggregates in the central nervous system in a mouse model of multiple sclerosis. Journal of Neuroinflammation, 2018, 15, 225.	7.2	18
50	Same same but different: A Webâ€based deep learning application revealed classifying features for the histopathologic distinction of cortical malformations. Epilepsia, 2020, 61, 421-432.	5.1	17
51	Involvement of brain-derived neurotrophic factor (BDNF) in MP4-induced autoimmune encephalomyelitis. Clinical Immunology, 2010, 137, 181-189.	3.2	16
52	Central nervous system infiltrates are characterized by features of ongoing B cell-related immune activity in MP4-induced experimental autoimmune encephalomyelitis. Clinical Immunology, 2015, 158, 47-58.	3.2	16
53	CEACAM1 mediates B cell aggregation in central nervous system autoimmunity. Scientific Reports, 2016, 6, 29847.	3.3	16
54	The TRAIL of Helpless CD8+T Cells in HIV Infection. AIDS Research and Human Retroviruses, 2008, 24, 1175-1183.	1.1	15

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55	Calbindin D28k-Immunoreactivity in Human Enteric Neurons. International Journal of Molecular Sciences, 2018, 19, 194.	4.1	15
56	B1 cells are unaffected by immune modulatory treatment in remittingâ€“relapsing multiple sclerosis patients. Journal of Neuroimmunology, 2014, 272, 86-90.	2.3	14
57	B Cells in Multiple Sclerosis and Virus-Induced Neuroinflammation. Frontiers in Neurology, 2020, 11, 591894.	2.4	14
58	Affinity Tag Coating Enables Reliable Detection of Antigen-Specific B Cells in Immunospot Assays. Cells, 2021, 10, 1843.	4.1	13
59	Time-Dependent Progression of Demyelination and Axonal Pathology in MP4-Induced Experimental Autoimmune Encephalomyelitis. PLoS ONE, 2015, 10, e0144847.	2.5	12
60	Aged hind-limb clasping experimental autoimmune encephalomyelitis models aspects of the neurodegenerative process seen in multiple sclerosis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22710-22720.	7.1	12
61	Categorization of multiple sclerosis relapse subtypes by B cell profiling in the blood. Acta Neuropathologica Communications, 2014, 2, 138.	5.2	11
62	Direct Detection of T- and B-Memory Lymphocytes by ImmunoSpotÂ® Assays Reveals HCMV Exposure that Serum Antibodies Fail to Identify. Cells, 2018, 7, 45.	4.1	11
63	Characterization of bloodâ€“brain barrier integrity in a B-cell-dependent mouse model of multiple sclerosis. Histochemistry and Cell Biology, 2019, 151, 489-499.	1.7	11
64	Serial Measurements of Apoptotic Cell Numbers Provide Better Acceptance Criterion for PBMC Quality than a Single Measurement Prior to the T Cell Assay. Cells, 2015, 4, 40-55.	4.1	10
65	The brain antigen-specific B cell response correlates with glatiramer acetate responsiveness in relapsing-remitting multiple sclerosis patients. Scientific Reports, 2015, 5, 14265.	3.3	9
66	High-Throughput GLP-Capable Target Cell Visualization Assay for Measuring Cell-Mediated Cytotoxicity. Cells, 2018, 7, 35.	4.1	9
67	Antibody cross-reactivity between casein and myelin-associated glycoprotein results in central nervous system demyelination. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117034119.	7.1	9
68	Thymic epithelial cells of human patients affected by myasthenia gravis overexpress IGF-I immunoreactivity. Apmis, 2008, 116, 50-58.	2.0	8
69	Autoantigen-specific immunosuppression with tolerogenic peripheral blood cells prevents relapses in a mouse model of relapsing-remitting multiple sclerosis. Journal of Translational Medicine, 2016, 14, 99.	4.4	8
70	Visualization of endothelial barrier damage prior to formation of atherosclerotic plaques. Histochemistry and Cell Biology, 2017, 148, 117-127.	1.7	8
71	Obinutuzumab-Induced B Cell Depletion Reduces Spinal Cord Pathology in a CD20 Double Transgenic Mouse Model of Multiple Sclerosis. International Journal of Molecular Sciences, 2020, 21, 6864.	4.1	8
72	Murine Esophagus Expresses Glial-Derived Central Nervous System Antigens. International Journal of Molecular Sciences, 2021, 22, 3233.	4.1	8

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73	The extent of ultrastructural spinal cord pathology reflects disease severity in experimental autoimmune encephalomyelitis. Histology and Histopathology, 2012, 27, 1163-74.	0.7	8
74	Digital pathology imaging and computer-aided diagnostics as a novel tool for standardization of evaluation of aganglionic megacolon (Hirschsprung disease) histopathology. Cell and Tissue Research, 2019, 375, 371-381.	2.9	7
75	Lack of Disease Specificity Limits the Usefulness of In Vitro Costimulation in HIV- and HCV-Infected Patients. Clinical and Developmental Immunology, 2008, 2008, 1-10.	3.3	6
76	B-Cell Activity Predicts Response to Glatiramer Acetate and Interferon in Relapsing-Remitting Multiple Sclerosis. Neurology: Neuroimmunology and NeuroInflammation, 2021, 8, e980.	6.0	6
77	The magnitude of the antigenâ€specific T cell response is separated from the severity of spinal cord histopathology in remittingâ€relapsing experimental autoimmune encephalomyelitis. Glia, 2012, 60, 794-805.	4.9	5
78	Conventional Housing Conditions Attenuate the Development of Experimental Autoimmune Encephalomyelitis. PLoS ONE, 2014, 9, e99794.	2.5	5
79	MRI of Finger Pulleys at 7Tâ€"Direct Characterization of Pulley Ruptures in an Ex Vivo Model. Diagnostics, 2021, 11, 1206.	2.6	5
80	Effects of a Fully Humanized Type II Anti-CD20 Monoclonal Antibody on Peripheral and CNS B Cells in a Transgenic Mouse Model of Multiple Sclerosis. International Journal of Molecular Sciences, 2022, 23, 3172.	4.1	4
81	KIR4.1 Antibodies as Biomarkers in Multiple Sclerosis. Frontiers in Neurology, 2014, 5, 62.	2.4	3
82	The Correlation between the Virus- and Brain Antigen-Specific B Cell Response in the Blood of Patients with Multiple Sclerosis. Viruses, 2016, 8, 105.	3.3	3
83	Mice Heterozygous for the Sodium Channel Scn8a (Nav1.6) Have Reduced Inflammatory Responses During EAE and Following LPS Challenge. Frontiers in Immunology, 2021, 12, 533423.	4.8	3
84	Bone marrow-derived myeloid progenitors in the leptomeninges of adult mice. Stem Cells, 2021, 39, 227-239.	3.2	3
85	Delineating the impact of neuroantigen vs genetic diversity on MP4â€induced EAE of C57BL/6 and B6.129 mice. Apmis, 2009, 117, 923-935.	2.0	2
86	Longitudinal T cell-derived IFN-Î³/IL-17 balances do not correlate with the disease course in two mouse models of experimental autoimmune encephalomyelitis. Journal of Immunological Methods, 2013, 398-399, 68-75.	1.4	2
87	Corrigendum to â€œEmerging concepts in autoimmune encephalomyelitis beyond the CD4/TH1 paradigmâ€• [Ann. Anat. 192 (4) (2010) 179â€“193]. Annals of Anatomy, 2011, 193, 76-77.	1.9	1
88	Four different synthetic peptides of proteolipid protein induce a distinct antibody response in MP4-induced experimental autoimmune encephalomyelitis. Clinical Immunology, 2015, 159, 93-106.	3.2	1
89	Nimodipine Exerts Beneficial Effects on the Rat Oligodendrocyte Cell Line OLN-93. Brain Sciences, 2022, 12, 476.	2.3	1
90	Characterization of Neurochemical Signature Alterations in the Enteric Nervous System in Autoimmune Encephalomyelitis. Applied Sciences (Switzerland), 2022, 12, 5974.	2.5	1

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91	Studies on the CNS Histopathology of EAE and Its Correlation with Clinical and Immunological Parameters. , 0, , .		0