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	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
2	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
3	Nimodipine Exerts Beneficial Effects on the Rat Oligodendrocyte Cell Line OLN-93. Brain Sciences, 2022, 12, 476.	2.3	1
4	Characterization of Neurochemical Signature Alterations in the Enteric Nervous System in Autoimmune Encephalomyelitis. Applied Sciences (Switzerland), 2022, 12, 5974.	2.5	1
5	Murine Esophagus Expresses Glial-Derived Central Nervous System Antigens. International Journal of Molecular Sciences, 2021, 22, 3233.	4.1	8
6	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
7	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
8	MRI of Finger Pulleys at 7Tâ€"Direct Characterization of Pulley Ruptures in an Ex Vivo Model. Diagnostics, 2021, 11, 1206.	2.6	5
9	Affinity Tag Coating Enables Reliable Detection of Antigen-Specific B Cells in Immunospot Assays. Cells, 2021, 10, 1843.	4.1	13
10	Disorders of the enteric nervous system â€" a holistic view. Nature Reviews Gastroenterology and Hepatology, 2021, 18, 393-410.	17.8	100
11	Bone marrow-derived myeloid progenitors in the leptomeninges of adult mice. Stem Cells, 2021, 39, 227-239.	3.2	3
12	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
13	B Cells in Multiple Sclerosis and Virus-Induced Neuroinflammation. Frontiers in Neurology, 2020, 11, 591894.	2.4	14
14	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
15	Strategies for Neuroprotection in Multiple Sclerosis and the Role of Calcium. International Journal of Molecular Sciences, 2020, 21, 1663.	4.1	23
16	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
17	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
18	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

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19	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
20	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
21	Severe bornavirus-encephalitis presenting as Guillainâ€“BarrÃ©-syndrome. Acta Neuropathologica, 2019, 137, 1017-1019.	7.7	43
22	Nav1.6 promotes inflammation and neuronal degeneration in a mouse model of multiple sclerosis. Journal of Neuroinflammation, 2019, 16, 215.	7.2	25
23	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
24	Impact of Glatiramer Acetate on B Cell-Mediated Pathogenesis of Multiple Sclerosis. CNS Drugs, 2018, 32, 1039-1051.	5.9	25
25	Generation of Cardiomyocytes From Vascular Adventitia-Resident Stem Cells. Circulation Research, 2018, 123, 686-699.	4.5	23
26	High-Throughput GLP-Capable Target Cell Visualization Assay for Measuring Cell-Mediated Cytotoxicity. Cells, 2018, 7, 35.	4.1	9
27	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
28	Calbindin D28k-Immunoreactivity in Human Enteric Neurons. International Journal of Molecular Sciences, 2018, 19, 194.	4.1	15
29	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
30	B Cells and B Cell Blasts Withstand Cryopreservation While Retaining Their Functionality for Producing Antibody. Cells, 2018, 7, 50.	4.1	22
31	The enteric nervous system is a potential autoimmune target in multiple sclerosis. Acta Neuropathologica, 2017, 134, 281-295.	7.7	38
32	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
33	Visualization of endothelial barrier damage prior to formation of atherosclerotic plaques. Histochemistry and Cell Biology, 2017, 148, 117-127.	1.7	8
34	The vascular adventitia: An endogenous, omnipresent source of stem cells in the body. , 2017, 171, 13-29.		43
35	Delayed Activation Kinetics of Th2- and Th17 Cells Compared to Th1 Cells. Cells, 2017, 6, 29.	4.1	19
36	Danger: High Voltageâ€”The Role of Voltage-Gated Calcium Channels in Central Nervous System Pathology. Cells, 2017, 6, 43.	4.1	33

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37	A Positive Control for Detection of Functional CD4 T Cells in PBMC: The CPI Pool. Cells, 2017, 6, 47.	4.1	24
38	Splitting the â€œUnsplittableâ€• Dissecting Resident and Infiltrating Macrophages in Experimental Autoimmune Encephalomyelitis. International Journal of Molecular Sciences, 2017, 18, 2072.	4.1	23
39	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
40	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
41	Blood coagulation factor XII drives adaptive immunity during neuroinflammation via CD87-mediated modulation of dendritic cells. Nature Communications, 2016, 7, 11626.	12.8	105
42	The role of CEA-related cell adhesion molecule-1 (CEACAM1) in vascular homeostasis. Histochemistry and Cell Biology, 2016, 146, 657-671.	1.7	24
43	CEACAM1 mediates B cell aggregation in central nervous system autoimmunity. Scientific Reports, 2016, 6, 29847.	3.3	16
44	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
45	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
46	Stepchild or Prodigy? Neuroprotection in Multiple Sclerosis (MS) Research. International Journal of Molecular Sciences, 2015, 16, 14850-14865.	4.1	21
47	Characterization of the HCMV-Specific CD4 T Cell Responses that Are Associated with Protective Immunity. Viruses, 2015, 7, 4414-4437.	3.3	21
48	Time-Dependent Progression of Demyelination and Axonal Pathology in MP4-Induced Experimental Autoimmune Encephalomyelitis. PLoS ONE, 2015, 10, e0144847.	2.5	12
49	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
50	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
51	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
52	CNS Cell Distribution and Axon Orientation Determine Local Spinal Cord Mechanical Properties. Biophysical Journal, 2015, 108, 2137-2147.	0.5	136
53	Conventional Housing Conditions Attenuate the Development of Experimental Autoimmune Encephalomyelitis. PLoS ONE, 2014, 9, e99794.	2.5	5
54	Categorization of multiple sclerosis relapse subtypes by B cell profiling in the blood. Acta Neuropathologica Communications, 2014, 2, 138.	5.2	11

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55	KIR4.1 Antibodies as Biomarkers in Multiple Sclerosis. Frontiers in Neurology, 2014, 5, 62.	2.4	3
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	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
58	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
59	Differential aspects of immune cell infiltration and neurodegeneration in acute and relapse experimental autoimmune encephalomyelitis. Clinical Immunology, 2013, 149, 519-529.	3.2	19
60	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
61	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
62	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
63	Tertiary lymphoid organ development coincides with determinant spreading of the myelin-specific T cell response. Acta Neuropathologica, 2012, 124, 861-873.	7.7	90
64	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
65	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
66	The extent of ultrastructural spinal cord pathology reflects disease severity in experimental autoimmune encephalomyelitis. Histology and Histopathology, 2012, 27, 1163-74.	0.7	8
67	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
68	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
69	Neuroprotective role of fibroblast growth factorâ€2 in experimental autoimmune encephalomyelitis. Immunology, 2011, 133, 370-378.	4.4	47
70	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
71	Experimental autoimmune encephalomyelitis â€“ achievements and prospective advances. Apmis, 2011, 119, 819-830.	2.0	60
72	Myelin-reactive antibodies mediate the pathology of MBPâ€“PLP fusion protein MP4-induced EAE. Clinical Immunology, 2011, 140, 54-62.	3.2	22

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73	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
74	Emerging concepts in autoimmune encephalomyelitis beyond the CD4/TH1 paradigm. Annals of Anatomy, 2010, 192, 179-193.	1.9	62
75	Involvement of brain-derived neurotrophic factor (BDNF) in MP4-induced autoimmune encephalomyelitis. Clinical Immunology, 2010, 137, 181-189.	3.2	16
76	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
77	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
78	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
79	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
80	Thymic epithelial cells of human patients affected by myasthenia gravis overexpress IGF-I immunoreactivity. Apmis, 2008, 116, 50-58.	2.0	8
81	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
82	Manually-stimulated recovery of motor function after facial nerve injury requires intact sensory input. Experimental Neurology, 2008, 211, 292-300.	4.1	49
83	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
84	The TRAIL of Helpless CD8+T Cells in HIV Infection. AIDS Research and Human Retroviruses, 2008, 24, 1175-1183.	1.1	15
85	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
86	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
87	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
88	Granzyme B production distinguishes recently activated CD8+ memory cells from resting memory cells. Cellular Immunology, 2007, 247, 36-48.	3.0	62
89	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
90	MBP-PLP fusion protein-induced EAE in C57BL/6 mice. Journal of Neuroimmunology, 2006, 177, 99-111.	2.3	50

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