

Britta Engelhardt

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

229 papers	20,439 citations	77 h-index	140 g-index
254 ext. papers	23,672 ext. citations	8.2 avg, IF	7.09 L-index

#	Paper	IF	Citations
229	How Does the Immune System Enter the Brain?. <i>Frontiers in Immunology</i> , 2022 , 13, 805657	8.4	4
228	Wnt signaling mediates acquisition of blood-brain barrier properties in naïve endothelium derived from human pluripotent stem cells. <i>ELife</i> , 2021 , 10,	8.9	5
227	Novel compounds with dual S1P receptor agonist and histamine H receptor antagonist activities act protective in a mouse model of multiple sclerosis. <i>Neuropharmacology</i> , 2021 , 186, 108464	5.5	5
226	Selective Endocannabinoid Reuptake Inhibitor WOBE437 Reduces Disease Progression in a Mouse Model of Multiple Sclerosis. <i>ACS Pharmacology and Translational Science</i> , 2021 , 4, 765-779	5.9	8
225	Brain endothelial tricellular junctions as novel sites for T cell diapedesis across the blood-brain barrier. <i>Journal of Cell Science</i> , 2021 , 134,	5.3	11
224	Histone deacetylase 1 controls CD4 T cell trafficking in autoinflammatory diseases. <i>Journal of Autoimmunity</i> , 2021 , 119, 102610	15.5	3
223	Pro-resolving lipid mediator lipoxin A attenuates neuro-inflammation by modulating T cell responses and modifies the spinal cord lipidome. <i>Cell Reports</i> , 2021 , 35, 109201	10.6	11
222	Differentiation of human pluripotent stem cells to brain microvascular endothelial cell-like cells suitable to study immune cell interactions. <i>STAR Protocols</i> , 2021 , 2, 100563	1.4	2
221	Covalent and Noncovalent Conjugation of Degradable Polymer Nanoparticles to T Lymphocytes. <i>Biomacromolecules</i> , 2021 , 22, 3416-3430	6.9	2
220	T Cell-Mediated Transport of Polymer Nanoparticles across the Blood-Brain Barrier. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001375	10.1	13
219	Loss of Claudin-3 Impairs Hepatic Metabolism, Biliary Barrier Function, and Cell Proliferation in the Murine Liver. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021 , 12, 745-767	7.9	0
218	Biotin-NeutrAvidin Mediated Immobilization of Polymer Micro- and Nanoparticles on T Lymphocytes. <i>Bioconjugate Chemistry</i> , 2021 , 32, 541-552	6.3	0
217	ACKR1 favors transcellular over paracellular T-cell diapedesis across the blood-brain barrier in neuroinflammation in vitro. <i>European Journal of Immunology</i> , 2021 ,	6.1	2
216	Nano-scale architecture of blood-brain barrier tight-junctions.. <i>ELife</i> , 2021 , 10,	8.9	3
215	Immune cell trafficking across the blood-brain barrier in the absence and presence of neuroinflammation. <i>Vascular Biology (Bristol, England)</i> , 2020 , 2, H1-H18	2.9	44
214	Innovative high-resolution microCT imaging of animal brain vasculature. <i>Brain Structure and Function</i> , 2020 , 225, 2885-2895	4	0
213	CD31 (PECAM-1) Serves as the Endothelial Cell-Specific Receptor of Clostridium perfringens ϵ -Toxin. <i>Cell Host and Microbe</i> , 2020 , 28, 69-78.e6	23.4	13

212	Oligomeric Forms of Human Amyloid-Beta(1-42) Inhibit Antigen Presentation. <i>Frontiers in Immunology</i> , 2020 , 11, 1029	8.4	2
211	Novel MHC-Independent TCRs Specific for CD48, CD102, and CD155 Self-Proteins and Their Selection in the Thymus. <i>Frontiers in Immunology</i> , 2020 , 11, 1216	8.4	0
210	Human CD4 T cell subsets differ in their abilities to cross endothelial and epithelial brain barriers in vitro. <i>Fluids and Barriers of the CNS</i> , 2020 , 17, 3	7	28
209	VivoFollow 2: Distortion-Free Multiphoton Intravital Imaging. <i>Frontiers in Physics</i> , 2020 , 7,	3.9	3
208	Angiopoietin-2 blockade ameliorates autoimmune neuroinflammation by inhibiting leukocyte recruitment into the CNS. <i>Journal of Clinical Investigation</i> , 2020 , 130, 1977-1990	15.9	17
207	Functional relevance of the multi-drug transporter abcg2 on teriflunomide therapy in an animal model of multiple sclerosis. <i>Journal of Neuroinflammation</i> , 2020 , 17, 9	10.1	1
206	Sleep enhances numbers and function of monocytes and improves bacterial infection outcome in mice. <i>Brain, Behavior, and Immunity</i> , 2020 , 87, 329-338	16.6	7
205	Maternal Infection Impairs Fetal Brain Development via Choroid Plexus Inflammation. <i>Developmental Cell</i> , 2020 , 55, 519-521	10.2	1
204	Brain Barriers and Multiple Sclerosis: Novel Treatment Approaches from a Brain Barriers Perspective. <i>Handbook of Experimental Pharmacology</i> , 2020 , 1	3.2	1
203	Contribution of brain pericytes in blood-brain barrier formation and maintenance: a transcriptomic study of cocultured human endothelial cells derived from hematopoietic stem cells. <i>Fluids and Barriers of the CNS</i> , 2020 , 17, 48	7	16
202	Advancing human induced pluripotent stem cell-derived blood-brain barrier models for studying immune cell interactions. <i>FASEB Journal</i> , 2020 , 34, 16693-16715	0.9	19
201	Advancing brain barriers RNA sequencing: guidelines from experimental design to publication. <i>Fluids and Barriers of the CNS</i> , 2020 , 17, 51	7	6
200	Microglia Get a Little Help from "Th"-eir Friends. <i>Immunity</i> , 2020 , 53, 484-486	32.3	0
199	Morpholino Analogues of Fingolimod as Novel and Selective S1P Ligands with In Vivo Efficacy in a Mouse Model of Experimental Antigen-Induced Encephalomyelitis. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	5
198	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , 2019 , 49, 1457-1973	6.1	485
197	Claudin-12 is not required for blood-brain barrier tight junction function. <i>Fluids and Barriers of the CNS</i> , 2019 , 16, 30	7	31
196	Claudin-3-deficient C57BL/6J mice display intact brain barriers. <i>Scientific Reports</i> , 2019 , 9, 203	4.9	46
195	PECAM-1 Stabilizes Blood-Brain Barrier Integrity and Favors Paracellular T-Cell Diapedesis Across the Blood-Brain Barrier During Neuroinflammation. <i>Frontiers in Immunology</i> , 2019 , 10, 711	8.4	72

194	The Genetic Background of Mice Influences the Effects of Cigarette Smoke on Onset and Severity of Experimental Autoimmune Encephalomyelitis. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	2
193	Visualizing Impairment of the Endothelial and Glial Barriers of the Neurovascular Unit during Experimental Autoimmune Encephalomyelitis In Vivo. <i>Journal of Visualized Experiments</i> , 2019 ,	1.6	3
192	Intercellular Adhesion Molecule-1 (ICAM-1) and ICAM-2 Differentially Contribute to Peripheral Activation and CNS Entry of Autoaggressive Th1 and Th17 Cells in Experimental Autoimmune Encephalomyelitis. <i>Frontiers in Immunology</i> , 2019 , 10, 3056	8.4	12
191	CD49d/CD29-integrin controls the accumulation of plasmacytoid dendritic cells into the CNS during neuroinflammation. <i>European Journal of Immunology</i> , 2019 , 49, 2030-2043	6.1	7
190	Structure and Junctional Complexes of Endothelial, Epithelial and Glial Brain Barriers. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	48
189	Pharmacological Inhibition of Acid Sphingomyelinase Ameliorates Experimental Autoimmune Encephalomyelitis. <i>NeuroSignals</i> , 2019 , 27, 20-31	1.9	4
188	Distinct migratory pattern of naive and effector T cells through the blood-CSF barrier following Echovirus 30 infection. <i>Journal of Neuroinflammation</i> , 2019 , 16, 232	10.1	5
187	A silicon nanomembrane platform for the visualization of immune cell trafficking across the human blood-brain barrier under flow. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019 , 39, 395-410	7.3	31
186	ICAM-1 C57BL/6 Mice Are Not Protected from Experimental Ischemic Stroke. <i>Translational Stroke Research</i> , 2018 , 9, 608-621	7.8	11
185	Molecular anatomy and functions of the choroidal blood-cerebrospinal fluid barrier in health and disease. <i>Acta Neuropathologica</i> , 2018 , 135, 337-361	14.3	155
184	Brain-released alarmins and stress response synergize in accelerating atherosclerosis progression after stroke. <i>Science Translational Medicine</i> , 2018 , 10,	17.5	37
183	Frequency and clinical characteristics of Multiple Sclerosis rebounds after withdrawal of Fingolimod. <i>CNS Neuroscience and Therapeutics</i> , 2018 , 24, 984-986	6.8	10
182	Lack of junctional adhesion molecule (JAM)-B ameliorates experimental autoimmune encephalomyelitis. <i>Brain, Behavior, and Immunity</i> , 2018 , 73, 3-20	16.6	14
181	TNF β blockade mediates bone protection in antigen-induced arthritis by reducing osteoclast precursor supply. <i>Bone</i> , 2018 , 107, 56-65	4.7	8
180	Ischemia-reperfusion injury in stroke: impact of the brain barriers and brain immune privilege on neutrophil function. <i>Therapeutic Advances in Neurological Disorders</i> , 2018 , 11, 1756286418794184	6.6	44
179	Dual role of ALCAM in neuroinflammation and blood-brain barrier homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E524-E533	11.5	53
178	The movers and shapers in immune privilege of the CNS. <i>Nature Immunology</i> , 2017 , 18, 123-131	19.1	414
177	Guidelines for the use of flow cytometry and cell sorting in immunological studies. <i>European Journal of Immunology</i> , 2017 , 47, 1584-1797	6.1	359

176	Impaired T-cell migration to the CNS under fingolimod and dimethyl fumarate. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2017 , 4, e401	9.1	16
175	ICAMs support B cell interactions with T follicular helper cells and promote clonal selection. <i>Journal of Experimental Medicine</i> , 2017 , 214, 3435-3448	16.6	47
174	The choroid plexus is a key cerebral invasion route for T cells after stroke. <i>Acta Neuropathologica</i> , 2017 , 134, 851-868	14.3	49
173	Non-invasive near-infrared fluorescence imaging of the neutrophil response in a mouse model of transient cerebral ischaemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 2833-2847	7.3	14
172	Intravascular Inflammation Triggers Intracerebral Activated Microglia and Contributes to Secondary Brain Injury After Experimental Subarachnoid Hemorrhage (eSAH). <i>Translational Stroke Research</i> , 2017 , 8, 144-156	7.8	65
171	ALCAM (CD166) is involved in extravasation of monocytes rather than T cells across the blood-brain barrier. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 2894-2909	7.3	39
170	A Novel Cervical Spinal Cord Window Preparation Allows for Two-Photon Imaging of T-Cell Interactions with the Cervical Spinal Cord Microvasculature during Experimental Autoimmune Encephalomyelitis. <i>Frontiers in Immunology</i> , 2017 , 8, 406	8.4	20
169	Vascular, glial, and lymphatic immune gateways of the central nervous system. <i>Acta Neuropathologica</i> , 2016 , 132, 317-38	14.3	195
168	Neutrophil recruitment limited by high-affinity bent α integrin binding ligand in cis. <i>Nature Communications</i> , 2016 , 7, 12658	17.4	58
167	T-cell brain infiltration and immature antigen-presenting cells in transgenic models of Alzheimer β disease-like cerebral amyloidosis. <i>Brain, Behavior, and Immunity</i> , 2016 , 54, 211-225	16.6	77
166	Immune cell trafficking across the barriers of the central nervous system in multiple sclerosis and stroke. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016 , 1862, 461-71	6.9	143
165	Modeling immune functions of the mouse blood-cerebrospinal fluid barrier in vitro: primary rather than immortalized mouse choroid plexus epithelial cells are suited to study immune cell migration across this brain barrier. <i>Fluids and Barriers of the CNS</i> , 2016 , 13, 2	7	18
164	Postarrest stalling rather than crawling favors CD8(+) over CD4(+) T-cell migration across the blood-brain barrier under flow in vitro. <i>European Journal of Immunology</i> , 2016 , 46, 2187-203	6.1	30
163	Sphingosine kinase 2 deficient mice exhibit reduced experimental autoimmune encephalomyelitis: Resistance to FTY720 but not ST-968 treatments. <i>Neuropharmacology</i> , 2016 , 105, 341-350	5.5	16
162	Lung ICAM-1 and ICAM-2 support spontaneous intravascular effector lymphocyte entrapment but are not required for neutrophil entrapment or emigration inside endotoxin-inflamed lungs. <i>FASEB Journal</i> , 2016 , 30, 1767-78	0.9	12
161	Refined clinical scoring in comparative EAE studies does not enhance the chance to observe statistically significant differences. <i>European Journal of Immunology</i> , 2016 , 46, 2481-2483	6.1	19
160	Inhibition and deficiency of the immunoproteasome subunit LMP7 attenuates LCMV-induced meningitis. <i>European Journal of Immunology</i> , 2016 , 46, 104-13	6.1	30
159	Current multiple sclerosis treatments have improved our understanding of MS autoimmune pathogenesis. <i>European Journal of Immunology</i> , 2016 , 46, 2078-90	6.1	71

158	Wiring the Vascular Network with Neural Cues: A CNS Perspective. <i>Neuron</i> , 2015 , 87, 271-96	13.9	95
157	Mode of action of claudin peptidomimetics in the transient opening of cellular tight junction barriers. <i>Biomaterials</i> , 2015 , 54, 9-20	15.6	46
156	Cell surface levels of endothelial ICAM-1 influence the transcellular or paracellular T-cell diapedesis across the blood-brain barrier. <i>European Journal of Immunology</i> , 2015 , 45, 1043-58	6.1	95
155	Migration of encephalitogenic CD8 T cells into the central nervous system is dependent on the α ₄ β ₁ -integrin. <i>European Journal of Immunology</i> , 2015 , 45, 3302-12	6.1	34
154	Brain barriers: Crosstalk between complex tight junctions and adherens junctions. <i>Journal of Cell Biology</i> , 2015 , 209, 493-506	7.3	294
153	Leptomeningeal contrast enhancement and blood-CSF barrier dysfunction in aseptic meningitis. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2015 , 2, e164	9.1	11
152	Deficiency of Factor VII activating protease alters the outcome of ischemic stroke in mice. <i>European Journal of Neuroscience</i> , 2015 , 41, 965-75	3.5	20
151	Investigation of leptomeningeal enhancement in MS: a postcontrast FLAIR MRI study. <i>Neurology</i> , 2015 , 84, 770-5	6.5	36
150	DARC shuttles inflammatory chemokines across the blood-brain barrier during autoimmune central nervous system inflammation. <i>Brain</i> , 2014 , 137, 1454-69	11.2	39
149	Neutrophils mediate blood-spinal cord barrier disruption in demyelinating neuroinflammatory diseases. <i>Journal of Immunology</i> , 2014 , 193, 2438-54	5.3	140
148	Novel insights into the development and maintenance of the blood-brain barrier. <i>Cell and Tissue Research</i> , 2014 , 355, 687-99	4.2	196
147	Novel oxazolo-oxazole derivatives of FTY720 reduce endothelial cell permeability, immune cell chemotaxis and symptoms of experimental autoimmune encephalomyelitis in mice. <i>Neuropharmacology</i> , 2014 , 85, 314-27	5.5	23
146	A stable and reproducible human blood-brain barrier model derived from hematopoietic stem cells. <i>PLoS ONE</i> , 2014 , 9, e99733	3.7	190
145	The heparan sulfate proteoglycan agrin contributes to barrier properties of mouse brain endothelial cells by stabilizing adherens junctions. <i>Cell and Tissue Research</i> , 2014 , 358, 465-79	4.2	41
144	α ₄ β ₁ integrin-mediated crawling on endothelial ICAM-1 and ICAM-2 is a prerequisite for transcellular neutrophil diapedesis across the inflamed blood-brain barrier. <i>Journal of Immunology</i> , 2014 , 192, 324-37	5.3	100
143	PSGL-1 and E/P-selectins are essential for T-cell rolling in inflamed CNS microvessels but dispensable for initiation of EAE. <i>European Journal of Immunology</i> , 2014 , 44, 2287-94	6.1	31
142	The neurovascular unit as a selective barrier to polymorphonuclear granulocyte (PMN) infiltration into the brain after ischemic injury. <i>Acta Neuropathologica</i> , 2013 , 125, 395-412	14.3	156
141	Kindlin-3 regulates integrin activation and adhesion reinforcement of effector T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 17005-10	11.5	40

140	Live cell imaging techniques to study T cell trafficking across the blood-brain barrier in vitro and in vivo. <i>Fluids and Barriers of the CNS</i> , 2013 , 10, 7	7	41
139	Immunologic privilege in the central nervous system and the blood-brain barrier. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, 13-21	7.3	188
138	The brain barriers as therapeutic targets in neuroinflammation. <i>Drug Research</i> , 2013 , 63 Suppl 1, S5	1.8	
137	Wnt activation of immortalized brain endothelial cells as a tool for generating a standardized model of the blood brain barrier in vitro. <i>PLoS ONE</i> , 2013 , 8, e70233	3.7	70
136	T-cell trafficking in the central nervous system. <i>Immunological Reviews</i> , 2012 , 248, 216-27	11.3	126
135	Capture, crawl, cross: the T cell code to breach the blood-brain barriers. <i>Trends in Immunology</i> , 2012 , 33, 579-89	14.4	416
134	The anatomical and cellular basis of immune surveillance in the central nervous system. <i>Nature Reviews Immunology</i> , 2012 , 12, 623-35	36.5	638
133	Junctional adhesion molecule (JAM)-C deficient C57BL/6 mice develop a severe hydrocephalus. <i>PLoS ONE</i> , 2012 , 7, e45619	3.7	23
132	Loss of astrocyte polarization upon transient focal brain ischemia as a possible mechanism to counteract early edema formation. <i>Glia</i> , 2012 , 60, 1646-59	9	73
131	Caveolin-1 opens endothelial cell junctions by targeting catenins. <i>Cardiovascular Research</i> , 2012 , 93, 130-40	9.4	66
130	Going against the tide--how encephalitogenic T cells breach the blood-brain barrier. <i>Journal of Vascular Research</i> , 2012 , 49, 497-509	1.9	35
129	Fluids and barriers of the CNS establish immune privilege by confining immune surveillance to a two-walled castle moat surrounding the CNS castle. <i>Fluids and Barriers of the CNS</i> , 2011 , 8, 4	7	144
128	Tight junctions in brain barriers during central nervous system inflammation. <i>Antioxidants and Redox Signaling</i> , 2011 , 15, 1285-303	8.4	140
127	Review: leucocyte-endothelial cell crosstalk at the blood-brain barrier: a prerequisite for successful immune cell entry to the brain. <i>Neuropathology and Applied Neurobiology</i> , 2011 , 37, 24-39	5.2	174
126	Comparison of immortalized bEnd5 and primary mouse brain microvascular endothelial cells as in vitro blood-brain barrier models for the study of T cell extravasation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 315-27	7.3	73
125	PSGL-1 is dispensible for the development of active experimental autoimmune encephalomyelitis in SJL/J mice. <i>Journal of Neuroimmunology</i> , 2011 , 232, 207-8	3.5	9
124	Claudin-1 induced sealing of blood-brain barrier tight junctions ameliorates chronic experimental autoimmune encephalomyelitis. <i>Acta Neuropathologica</i> , 2011 , 122, 601-14	14.3	111
123	TET inducible expression of the α 5 β 1-integrin ligand MAdCAM-1 on the blood-brain barrier does not influence the immunopathogenesis of experimental autoimmune encephalomyelitis. <i>European Journal of Immunology</i> , 2011 , 41, 813-21	6.1	21

122	Brain infiltration of leukocytes contributes to the pathophysiology of temporal lobe epilepsy. <i>Journal of Neuroscience</i> , 2011 , 31, 4037-50	6.6	179
121	Neuroscience. Blood-brain barrier differentiation. <i>Science</i> , 2011 , 334, 1652-3	33.3	13
120	Estrogen receptor signaling in T lymphocytes is required for estradiol-mediated inhibition of Th1 and Th17 cell differentiation and protection against experimental autoimmune encephalomyelitis. <i>Journal of Immunology</i> , 2011 , 187, 2386-93	5.3	138
119	Comprehensive analysis of lymph node stroma-expressed Ig superfamily members reveals redundant and nonredundant roles for ICAM-1, ICAM-2, and VCAM-1 in lymphocyte homing. <i>Blood</i> , 2010 , 116, 915-25	2.2	77
118	Alpha4beta1 integrin mediates the recruitment of immature dendritic cells across the blood-brain barrier during experimental autoimmune encephalomyelitis. <i>Journal of Immunology</i> , 2010 , 184, 7196-206	5.3	74
117	Differential roles for endothelial ICAM-1, ICAM-2, and VCAM-1 in shear-resistant T cell arrest, polarization, and directed crawling on blood-brain barrier endothelium. <i>Journal of Immunology</i> , 2010 , 185, 4846-55	5.3	169
116	T cell migration into the central nervous system during health and disease: Different molecular keys allow access to different central nervous system compartments. <i>Clinical and Experimental Neuroimmunology</i> , 2010 , 1, 79-93	0.4	55
115	Endogenous estrogens, through estrogen receptor β constrain autoimmune inflammation in female mice by limiting CD4 ⁺ T-cell homing into the CNS. <i>European Journal of Immunology</i> , 2010 , 40, 3489-98	6.1	34
114	Preclinical testing of strategies for therapeutic targeting of human T-cell trafficking in vivo. <i>Methods in Molecular Biology</i> , 2010 , 616, 268-81	1.4	3
113	Flotillins interact with PSGL-1 in neutrophils and, upon stimulation, rapidly organize into membrane domains subsequently accumulating in the uropod. <i>PLoS ONE</i> , 2009 , 4, e5403	3.7	47
112	Beta1 integrins differentially control extravasation of inflammatory cell subsets into the CNS during autoimmunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 1920-5	11.5	98
111	Cutting edge: Natalizumab blocks adhesion but not initial contact of human T cells to the blood-brain barrier in vivo in an animal model of multiple sclerosis. <i>Journal of Immunology</i> , 2009 , 182, 5909-13	5.3	89
110	Loss of astrocyte polarity marks blood-brain barrier impairment during experimental autoimmune encephalomyelitis. <i>Acta Neuropathologica</i> , 2009 , 118, 219-33	14.3	101
109	Functions of lipid raft membrane microdomains at the blood-brain barrier. <i>Journal of Molecular Medicine</i> , 2009 , 87, 765-74	5.5	46
108	The blood-brain and the blood-cerebrospinal fluid barriers: function and dysfunction. <i>Seminars in Immunopathology</i> , 2009 , 31, 497-511	12	467
107	Culture-induced changes in blood-brain barrier transcriptome: implications for amino-acid transporters in vivo. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009 , 29, 1491-502	7.3	113
106	C-C chemokine receptor 6-regulated entry of TH-17 cells into the CNS through the choroid plexus is required for the initiation of EAE. <i>Nature Immunology</i> , 2009 , 10, 514-23	19.1	853
105	Endothelial cell activation leads to neutrophil transmigration as supported by the sequential roles of ICAM-2, JAM-A, and PECAM-1. <i>Blood</i> , 2009 , 113, 6246-57	2.2	151

104	Inducible endothelial cell-specific gene expression in transgenic mouse embryos and adult mice. <i>Experimental Cell Research</i> , 2008 , 314, 1202-16	4.2	20
103	Strategies to advance translational research into brain barriers. <i>Lancet Neurology, The</i> , 2008 , 7, 84-96	24.1	370
102	IL-6 transsignalling modulates the early effector phase of EAE and targets the blood-brain barrier. <i>Journal of Neuroimmunology</i> , 2008 , 205, 64-72	3.5	52
101	Immune cell entry into the central nervous system: involvement of adhesion molecules and chemokines. <i>Journal of the Neurological Sciences</i> , 2008 , 274, 23-6	3.2	137
100	Effect of interferon-beta and atorvastatin on Th1/Th2 cytokines in multiple sclerosis. <i>Neurochemistry International</i> , 2008 , 53, 17-21	4.4	22
99	Interferon-beta stabilizes barrier characteristics of the blood-brain barrier in four different species in vitro. <i>Multiple Sclerosis Journal</i> , 2008 , 14, 843-52	5	40
98	Improving outcome after stroke: overcoming the translational roadblock. <i>Cerebrovascular Diseases</i> , 2008 , 25, 268-78	3.2	206
97	Perivascular spaces and the two steps to neuroinflammation. <i>Journal of Neuropathology and Experimental Neurology</i> , 2008 , 67, 1113-21	3.1	228
96	Adhesion and Signalling Molecules Controlling the Extravasation of Leukocytes across the Endothelium. <i>Transfusion Medicine and Hemotherapy</i> , 2008 , 35, 73-75	4.2	
95	VE-PTP maintains the endothelial barrier via plakoglobin and becomes dissociated from VE-cadherin by leukocytes and by VEGF. <i>Journal of Experimental Medicine</i> , 2008 , 205, 2929-45	16.6	177
94	Natalizumab: targeting alpha4-integrins in multiple sclerosis. <i>Neurodegenerative Diseases</i> , 2008 , 5, 16-22	2.3	128
93	The blood-central nervous system barriers actively control immune cell entry into the central nervous system. <i>Current Pharmaceutical Design</i> , 2008 , 14, 1555-65	3.3	114
92	Distinct molecular composition of blood and lymphatic vascular endothelial cell junctions establishes specific functional barriers within the peripheral lymph node. <i>European Journal of Immunology</i> , 2008 , 38, 2142-55	6.1	75
91	L-Selectin-deficient SJL and C57BL/6 mice are not resistant to experimental autoimmune encephalomyelitis. <i>European Journal of Immunology</i> , 2008 , 38, 2156-67	6.1	16
90	Enhanced T cell transmigration across the murine liver sinusoidal endothelium is mediated by transcytosis and surface presentation of chemokines. <i>Hepatology</i> , 2008 , 48, 1262-72	11.2	41
89	Brain endothelial PPARgamma controls inflammation-induced CD4+ T cell adhesion and transmigration in vitro. <i>Journal of Neuroimmunology</i> , 2007 , 190, 34-43	3.5	25
88	Therapeutic targeting of leukocyte trafficking across the blood-brain barrier. <i>Inflammation and Allergy: Drug Targets</i> , 2007 , 6, 210-22		14
87	E- and P-selectin are not required for the development of experimental autoimmune encephalomyelitis in C57BL/6 and SJL mice. <i>Journal of Immunology</i> , 2007 , 179, 8470-9	5.3	92

86	Migration of immature mouse DC across resting endothelium is mediated by ICAM-2 but independent of beta2-integrins and murine DC-SIGN homologues. <i>European Journal of Immunology</i> , 2006 , 36, 2781-94	6.1	21
85	Immune cell migration across the bloodBrain barrier: molecular mechanisms and therapeutic targeting. <i>Future Neurology</i> , 2006 , 1, 47-56	1.5	3
84	Regulation of immune cell entry into the central nervous system. <i>Results and Problems in Cell Differentiation</i> , 2006 , 43, 259-80	1.4	56
83	The LPS receptor, CD14, in experimental autoimmune encephalomyelitis and multiple sclerosis. <i>Cellular Physiology and Biochemistry</i> , 2006 , 17, 167-72	3.9	28
82	The Endothelial Cell Basement Membrane and Its Role in Leukocyte Extravasation 2006 , 109-127		
81	In Vitro Transendothelial Migration Assay 2006 , 424-436		
80	Dysferlin is a new marker for leaky brain blood vessels in multiple sclerosis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2006 , 65, 855-65	3.1	120
79	Integrins as Therapeutic Targets for Inflammatory Disease 2006 , 338-370		
78	Mechanisms of Leukocyte Transmigration: Role of Immunoglobulin Superfamily Molecules 2006 , 82-108		1
77	Mechanism of Inflammation: Activation of the Endothelium 2006 , 300-335		
76	Molecular mechanisms involved in T cell migration across the blood-brain barrier. <i>Journal of Neural Transmission</i> , 2006 , 113, 477-85	4.3	265
75	Angiostatin overexpression in Morris hepatoma results in decreased tumor growth but increased perfusion and vascularization. <i>Journal of Nuclear Medicine</i> , 2006 , 47, 543-51	8.9	7
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