

Benoit Melchior

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,627
citations

471509

17
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

2825
citing authors

#	ARTICLE	IF	CITATIONS
1	CNS immune privilege: hiding in plain sight. <i>Immunological Reviews</i> , 2006, 213, 48-65.	6.0	638
2	Differential gene expression in LPS/IFN $\hat{\nu}$ 3 activated microglia and macrophages: <i><i>in vitro</i></i> versus <i><i>in vivo</i></i> . <i>Journal of Neurochemistry</i> , 2009, 109, 117-125.	3.9	135
3	Dual Induction of TREM2 and Tolerance-Related Transcript, Tmem176b, in Amyloid Transgenic Mice: Implications for Vaccine-Based Therapies for Alzheimer's Disease. <i>ASN Neuro</i> , 2010, 2, AN20100010.	2.7	118
4	A Rose by Any Other Name? The Potential Consequences of Microglial Heterogeneity During CNS Health and Disease. <i>Neurotherapeutics</i> , 2007, 4, 571-579.	4.4	104
5	Transgenic expression of CTLA4-Ig by fetal pig neurons for xenotransplantation. <i>Transgenic Research</i> , 2005, 14, 373-384.	2.4	70
6	Blood T-cell receptor $\hat{\nu}$ chain transcriptome in multiple sclerosis. Characterization of the T cells with altered CDR3 length distribution. <i>Brain</i> , 2004, 127, 981-995.	7.6	57
7	Microglia and the control of autoreactive T cell responses. <i>Neurochemistry International</i> , 2006, 49, 145-153.	3.8	57
8	PECAM-1 is a critical mediator of atherosclerosis. <i>DMM Disease Models and Mechanisms</i> , 2008, 1, 175-181.	2.4	57
9	Nitric Oxide Synthase Dysfunction Contributes to Impaired Cerebroarteriolar Reactivity in Experimental Cerebral Malaria. <i>PLoS Pathogens</i> , 2013, 9, e1003444.	4.7	49
10	Shear-induced endothelial cell-cell junction inclination. <i>American Journal of Physiology - Cell Physiology</i> , 2010, 299, C621-C629.	4.6	46
11	Different mechanisms mediate the rejection of porcine neurons and endothelial cells transplanted into the rat brain. <i>Xenotransplantation</i> , 2001, 8, 136-148.	2.8	40
12	Tau pathology reduction with SM07883, a novel, potent, and selective oral DYRK1A inhibitor: A potential therapeutic for Alzheimer's disease. <i>Aging Cell</i> , 2019, 18, e13000.	6.7	38
13	Rapid changes in shear stress induce dissociation of a G $\hat{\nu}$ 11 $\hat{\nu}$ platelet endothelial cell adhesion molecule $\hat{\nu}$ 1 complex. <i>Journal of Physiology</i> , 2009, 587, 2365-2373.	2.9	37
14	Heparan Sulfates Mediate the Interaction between Platelet Endothelial Cell Adhesion Molecule-1 (PECAM-1) and the G $\hat{\nu}$ 11 Subunits of Heterotrimeric G Proteins. <i>Journal of Biological Chemistry</i> , 2014, 289, 7413-7424.	3.4	34
15	Shear stress induces G $\hat{\nu}$ 11 $\hat{\nu}$ activation independently of G protein-coupled receptor activation in endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2017, 312, C428-C437.	4.6	29
16	Temporal analysis of cytokine gene expression during infiltration of porcine neuronal grafts implanted into the rat brain. <i>Journal of Neuroscience Research</i> , 2002, 68, 284-292.	2.9	27
17	G $\hat{\nu}$ 11 $\hat{\nu}$ -mediated intracellular calcium responses to retrograde flow in endothelial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2012, 303, C467-C473.	4.6	23
18	Early VEGFR2 activation in response to flow is VEGF-dependent and mediated by MMP activity. <i>Biochemical and Biophysical Research Communications</i> , 2013, 434, 641-646.	2.1	20

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19	Distinctive Subcellular Akt Responses to Shear Stress in Endothelial Cells. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 121-129.	2.6	19
20	Compartmentalization of TCR repertoire alteration during rejection of an intrabrain xenograft. <i>Experimental Neurology</i> , 2005, 192, 373-383.	4.1	13
21	Ectopic expression of the TrkA receptor in adult dopaminergic mesencephalic neurons promotes retrograde axonal NGF transport and NGF-dependent neuroprotection. <i>Experimental Neurology</i> , 2003, 183, 367-378.	4.1	11
22	Î²1 Integrin as a Xenoantigen in Fetal Porcine Mesencephalic Cells Transplanted into the Rat Brain. <i>Cell Transplantation</i> , 2005, 14, 527-536.	2.5	5
23	SM07883: TAU PATHOLOGY REDUCTION WITH SM07883, A NOVEL, POTENT, AND SELECTIVE ORAL DYRK1A INHIBITOR: A POTENTIAL THERAPEUTIC FOR ALZHEIMER'S DISEASE. <i>Alzheimer's and Dementia</i> , 2018, 14, P1411.	0.8	0