

Pablo Blinder

List of Publications by Year in descending order

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46
papers

4,005
citations

331259

21
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301761

39
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all docs

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docs citations

52
times ranked

5632
citing authors

#	ARTICLE	IF	CITATIONS
1	A Binary Cre Transgenic Approach Dissects Microglia and CNS Border-Associated Macrophages. <i>Immunity</i> , 2021, 54, 176-190.e7.	6.6	99
2	Single Cortical Microinfarcts Lead to Widespread Microglia/Macrophage Migration Along the White Matter. <i>Cerebral Cortex</i> , 2021, 31, 248-266.	1.6	16
3	Glyconanofluorides as Immunotracers with a Tunable Core Composition for Sensitive Hotspot Magnetic Resonance Imaging of Inflammatory Activity. <i>ACS Nano</i> , 2021, 15, 7563-7574.	7.3	19
4	Blood glutamate scavengers increase pro-apoptotic signaling and reduce metastatic melanoma growth in-vivo. <i>Scientific Reports</i> , 2021, 11, 14644.	1.6	3
5	Hyperbaric oxygen therapy alleviates vascular dysfunction and amyloid burden in an Alzheimer's disease mouse model and in elderly patients. <i>Aging</i> , 2021, 13, 20935-20961.	1.4	23
6	Cerebrospinal fluid influx drives acute ischemic tissue swelling. <i>Science</i> , 2020, 367, .	6.0	300
7	Demystifying the extracellular matrix and its proteolytic remodeling in the brain: structural and functional insights. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 3229-3248.	2.4	63
8	Brain Capillary Networks Across Species: A few Simple Organizational Requirements Are Sufficient to Reproduce Both Structure and Function. <i>Frontiers in Physiology</i> , 2019, 10, 233.	1.3	70
9	Prophylactic TLR9 stimulation reduces brain metastasis through microglia activation. <i>PLoS Biology</i> , 2019, 17, e2006859.	2.6	40
10	Unsupervised Microvascular Image Segmentation Using an Active Contours Mimicking Neural Network. , 2019, , .		31
11	Cathepsin B inhibition ameliorates leukocyte-endothelial adhesion in the BTBR mouse model of autism. <i>CNS Neuroscience and Therapeutics</i> , 2019, 25, 476-485.	1.9	20
12	Improving In Vivo Multi-photon Microscopy Using Plug and Play Photon Counting. , 2019, , .		0
13	Microvascular Dynamics from 4D Microscopy Using Temporal Segmentation. , 2019, , .		1
14	Linking brain vascular physiology to hemodynamic response in ultra-high field MRI. <i>NeuroImage</i> , 2018, 168, 279-295.	2.1	137
15	PySight: plug and play photon counting for fast continuous volumetric intravital microscopy. <i>Optica</i> , 2018, 5, 1104.	4.8	14
16	Comparing two classes of biological distribution systems using network analysis. <i>PLoS Computational Biology</i> , 2018, 14, e1006428.	1.5	15
17	The pial vasculature of the mouse develops according to a sensory-independent program. <i>Scientific Reports</i> , 2018, 8, 9860.	1.6	26
18	Pax6 regulation of <i>Sox9</i> in the retinal pigmented epithelium controls its timely differentiation and choroid vasculature development. <i>Development (Cambridge)</i> , 2018, 145, .	1.2	15

#	ARTICLE	IF	CITATIONS
19	Maintaining unperturbed cerebral blood flow is key in the study of brain metastasis and its interactions with stress and inflammatory responses. <i>Brain, Behavior, and Immunity</i> , 2017, 62, 265-276.	2.0	5
20	Understanding the neurovascular unit at multiple scales: Advantages and limitations of multi-photon and functional ultrasound imaging. <i>Advanced Drug Delivery Reviews</i> , 2017, 119, 73-100.	6.6	42
21	Astrocytes from old Alzheimer's disease mice are impaired in A β uptake and in neuroprotection. <i>Neurobiology of Disease</i> , 2016, 96, 84-94.	2.1	85
22	Robust and Fragile Aspects of Cortical Blood Flow in Relation to the Underlying Angioarchitecture. <i>Microcirculation</i> , 2015, 22, 204-218.	1.0	78
23	The smallest stroke: occlusion of one penetrating vessel leads to infarction and a cognitive deficit. <i>Nature Neuroscience</i> , 2013, 16, 55-63.	7.1	284
24	The cortical angiome: an interconnected vascular network with noncolumnar patterns of blood flow. <i>Nature Neuroscience</i> , 2013, 16, 889-897.	7.1	471
25	All-Optical In Situ Histology of Brain Tissue with Femtosecond Laser Pulses. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.prot073858-pdb.prot073858.	0.2	1
26	Vectorization of optically sectioned brain microvasculature: Learning aids completion of vascular graphs by connecting gaps and deleting open-ended segments. <i>Medical Image Analysis</i> , 2012, 16, 1241-1258.	7.0	28
27	A Guide to Delineate the Logic of Neurovascular Signaling in the Brain. <i>Frontiers in Neuroenergetics</i> , 2011, 3, 1.	5.3	71
28	Large-Scale Automated Histology in the Pursuit of Connectomes. <i>Journal of Neuroscience</i> , 2011, 31, 16125-16138.	1.7	151
29	Rapid determination of particle velocity from space-time images using the Radon transform. <i>Journal of Computational Neuroscience</i> , 2010, 29, 5-11.	0.6	129
30	Chronic optical access through a polished and reinforced thinned skull. <i>Nature Methods</i> , 2010, 7, 981-984.	9.0	382
31	Topological basis for the robust distribution of blood to rodent neocortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12670-12675.	3.3	158
32	Correlations of Neuronal and Microvascular Densities in Murine Cortex Revealed by Direct Counting and Colocalization of Nuclei and Vessels. <i>Journal of Neuroscience</i> , 2009, 29, 14553-14570.	1.7	500
33	Contacts among non-sister dendritic branches at bifurcations shape neighboring dendrites and pattern their synaptic inputs. <i>Brain Research</i> , 2009, 1251, 30-41.	1.1	5
34	Plasma-mediated ablation: an optical tool for submicrometer surgery on neuronal and vascular systems. <i>Current Opinion in Biotechnology</i> , 2009, 20, 90-99.	3.3	81
35	Reduced IGF-1 Signaling Delays Age-Associated Proteotoxicity in Mice. <i>Cell</i> , 2009, 139, 1157-1169.	13.5	450
36	Topology, dynamics, and control in cortical blood flow elucidated with optical techniques. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0

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37	Two-Photon Laser Scanning Microscopy as a Tool to Study Cortical Vasodynamics Under Normal and Ischemic Conditions. , 2009, , 245-261.		0
38	Aragonite crystalline matrix as an instructive microenvironment for neural development. Journal of Tissue Engineering and Regenerative Medicine, 2008, 2, 463-471.	1.3	13
39	Ultra-short Laser Pulses as a Tool to Measure as Well as Perturb Neurovascular Activity in the Rodent Brain. , 2008, , .		0
40	Convergence among Non-Sister Dendritic Branches: An Activity-Controlled Mean to Strengthen Network Connectivity. PLoS ONE, 2008, 3, e3782.	1.1	7
41	Interconnected Network of Ganglion-Like Neural Cell Spheres Formed on Hydrozoan Skeleton. Tissue Engineering, 2007, 13, 473-482.	4.9	16
42	Growth of Neurites toward Neuriteâ€™s Neurite Contact Sites Increases Synaptic Clustering and Secretion and Is Regulated by Synaptic Activity. Cerebral Cortex, 2006, 16, 83-92.	1.6	19
43	Aragonite Crystalline Biomatrices Support Astrocytic Tissue Formation in Vitro and in Vivo. Tissue Engineering, 2006, 12, 1763-1773.	4.9	18
44	Compact self-wiring in cultured neural networks. Journal of Neural Engineering, 2006, 3, 95-101.	1.8	83
45	Functional Topology Classification of Biological Computing Networks. Natural Computing, 2005, 4, 339-361.	1.8	12
46	Optical Blood Flow Measurement in Microcirculatory Systems. , 0, , .		1