

Janelle M P Pakan

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,844
citations

279798

23
h-index

289244

40
g-index

53
all docs

53
docs citations

53
times ranked

2308
citing authors

#	ARTICLE	IF	CITATIONS
1	Behavioral-state modulation of inhibition is context-dependent and cell type specific in mouse visual cortex. <i>ELife</i> , 2016, 5, .	6.0	211
2	High-fidelity multimode fibre-based endoscopy for deep brain in vivo imaging. <i>Light: Science and Applications</i> , 2018, 7, 92.	16.6	211
3	Small molecule phosphorescent probes for O ₂ imaging in 3D tissue models. <i>Biomaterials Science</i> , 2014, 2, 853-866.	5.4	93
4	Action and learning shape the activity of neuronal circuits in the visual cortex. <i>Current Opinion in Neurobiology</i> , 2018, 52, 88-97.	4.2	90
5	Acute in utero exposure to lipopolysaccharide induces inflammation in the pre- and postnatal brain and alters the glial cytoarchitecture in the developing amygdala. <i>Journal of Neuroinflammation</i> , 2017, 14, 212.	7.2	88
6	The optic tectum of birds: Mapping our way to understanding visual processing.. <i>Canadian Journal of Experimental Psychology</i> , 2009, 63, 328-338.	0.8	84
7	Reward Association Enhances Stimulus-Specific Representations in Primary Visual Cortex. <i>Current Biology</i> , 2020, 30, 1866-1880.e5.	3.9	83
8	Optimization of interneuron function by direct coupling of cell migration and axonal targeting. <i>Nature Neuroscience</i> , 2018, 21, 920-931.	14.8	72
9	Radial glial cells: Key organisers in CNS development. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 46, 76-79.	2.8	70
10	A cerebellar-thalamocortical pathway drives behavioral context-dependent movement initiation. <i>Neuron</i> , 2021, 109, 2326-2338.e8.	8.1	63
11	The Impact of Visual Cues, Reward, and Motor Feedback on the Representation of Behaviorally Relevant Spatial Locations in Primary Visual Cortex. <i>Cell Reports</i> , 2018, 24, 2521-2528.	6.4	61
12	FISSA: A neuropil decontamination toolbox for calcium imaging signals. <i>Scientific Reports</i> , 2018, 8, 3493.	3.3	59
13	A Critical Role for Astrocytes in Hypercapnic Vasodilation in Brain. <i>Journal of Neuroscience</i> , 2017, 37, 2403-2414.	3.6	58
14	Purkinje cell compartmentation as revealed by Zebrin II expression in the cerebellar cortex of pigeons (<i>Columba livia</i>). <i>Journal of Comparative Neurology</i> , 2007, 501, 619-630.	1.6	57
15	Imaging oxygen in neural cell and tissue models by means of anionic cell-permeable phosphorescent nanoparticles. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 367-381.	5.4	49
16	Organization of visual mossy fiber projections and zebrin expression in the pigeon vestibulocerebellum. <i>Journal of Comparative Neurology</i> , 2010, 518, 175-198.	1.6	41
17	Two optic flow pathways from the pretectal nucleus lentiformis mesencephali to the cerebellum in pigeons (<i>Columba livia</i>). <i>Journal of Comparative Neurology</i> , 2006, 499, 732-744.	1.6	40
18	Disynaptic cerebrocerebellar pathways originating from multiple functionally distinct cortical areas. <i>ELife</i> , 2020, 9, .	6.0	37

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19	Compartmentation of the cerebellar cortex of hummingbirds (Aves: Trochilidae) revealed by the expression of zebrin II and phospholipase C α 2. <i>Journal of Chemical Neuroanatomy</i> , 2009, 37, 55-63.	2.1	34
20	Allometric Scaling of the Tectofugal Pathway in Birds. <i>Brain, Behavior and Evolution</i> , 2010, 75, 122-137.	1.7	30
21	Projections of the nucleus lentiformis mesencephali in pigeons (<i>Columba livia</i>): A comparison of the morphology and distribution of neurons with different efferent projections. <i>Journal of Comparative Neurology</i> , 2006, 495, 84-99.	1.6	25
22	Organization of the cerebellum: Correlating zebrin immunocytochemistry with optic flow zones in the pigeon flocculus. <i>Visual Neuroscience</i> , 2011, 28, 163-174.	1.0	25
23	Congruence of zebrin II expression and functional zones defined by climbing fiber topography in the flocculus. <i>Neuroscience</i> , 2008, 157, 57-69.	2.3	23
24	Differential projections from the vestibular nuclei to the flocculus and uvula-nodulus in pigeons (<i>Columba livia</i>). <i>Journal of Comparative Neurology</i> , 2008, 508, 402-417.	1.6	21
25	Expression of calcium-binding proteins in cerebellar- and inferior olivary-projecting neurons in the nucleus lentiformis mesencephali of pigeons. <i>Visual Neuroscience</i> , 2009, 26, 341-347.	1.0	19
26	Inferior olivary neurons innervate multiple zones of the flocculus in pigeons (<i>Columba livia</i>). <i>Journal of Comparative Neurology</i> , 2005, 486, 159-168.	1.6	18
27	Expression of neuropeptide Y1 receptors in the amygdala and hippocampus and anxiety-like behavior associated with Ammon's horn sclerosis following intrahippocampal kainate injection in C57BL/6j mice. <i>Epilepsy and Behavior</i> , 2014, 37, 175-183.	1.7	18
28	The spatial and temporal arrangement of the radial glial scaffold suggests a role in axon tract formation in the developing spinal cord. <i>Journal of Anatomy</i> , 2013, 222, 203-213.	1.5	16
29	Projections of the nucleus of the basal optic root in pigeons (<i>Columba livia</i>): A comparison of the morphology and distribution of neurons with different efferent projections. <i>Visual Neuroscience</i> , 2007, 24, 691-707.	1.0	13
30	Distribution of zebrin-immunoreactive Purkinje cell terminals in the cerebellar and vestibular nuclei of birds. <i>Journal of Comparative Neurology</i> , 2012, 520, 1532-1546.	1.6	13
31	A method to investigate radial glia cell behavior using two-photon time-lapse microscopy in an ex vivo model of spinal cord development. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 22.	1.7	13
32	Social status, breeding state, and GnRH soma size in convict cichlids (<i>Cryptopheros nigrofasciatus</i>). <i>Behavioural Brain Research</i> , 2013, 237, 318-324.	2.2	12
33	Heterogeneity of parvalbumin expression in the avian cerebellar cortex and comparisons with zebrin II. <i>Neuroscience</i> , 2011, 185, 73-84.	2.3	11
34	The Cerebellum of Nonmammalian Vertebrates. , 2017, , 373-385.		10
35	Enhanced modulation of cell-type specific neuronal responses in mouse dorsal auditory field during locomotion. <i>Cell Calcium</i> , 2021, 96, 102390.	2.4	10
36	Expression of calcium-binding proteins in pathways from the nucleus of the basal optic root to the cerebellum in pigeons. <i>Visual Neuroscience</i> , 2008, 25, 701-707.	1.0	8

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37	Modulation of complex spike activity differs between zebrin-positive and -negative Purkinje cells in the pigeon cerebellum. <i>Journal of Neurophysiology</i> , 2018, 120, 250-262.	1.8	8
38	Context value updating and multidimensional neuronal encoding in the retrosplenial cortex. <i>Nature Communications</i> , 2021, 12, 6045.	12.8	8
39	Climbing fiber projections in relation to zebrin stripes in the ventral uvula in pigeons. <i>Journal of Comparative Neurology</i> , 2014, 522, 3629-3643.	1.6	7
40	A comparison of ventral tegmental neurons projecting to optic flow regions of the inferior olive vs. the hippocampal formation. <i>Neuroscience</i> , 2006, 141, 463-473.	2.3	6
41	An ex-vivo multiple sclerosis model of inflammatory demyelination using hyperbranched polymer. <i>Biomaterials</i> , 2013, 34, 5872-5882.	11.4	4
42	Chronic Two-Photon Calcium Imaging in the Visual Cortex of Awake Behaving Mice. <i>Handbook of Behavioral Neuroscience</i> , 2018, , 235-251.	0.7	3
43	Cerebellar-Recipient Motor Thalamus Drives Behavioral Context-Specific Movement Initiation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
44	Optical Fiber-Based Recording of Climbing Fiber Ca ²⁺ Signals in Freely Behaving Mice. <i>Biology</i> , 2022, 11, 907.	2.8	1
45	Visual plasticity: Illuminating the role of the hippocampus in cortical sensory encoding. <i>Current Biology</i> , 2021, 31, R1087-R1089.	3.9	0
46	Real-time monitoring of oxygenation in cultured organotypic brain slices (1180.20). <i>FASEB Journal</i> , 2014, 28, 1180.20.	0.5	0
47	Effect of maternal immune activation on pre- and postnatal murine brain development. <i>FASEB Journal</i> , 2015, 29, LB32.	0.5	0
48	In-vivo deep-brain imaging through a single fibre endoscope (Conference Presentation). , 2019, , .		0