Janelle M P Pakan

List of Publications by Year
in descending order

48	1,844	279798 23	289244 40
papers	citations	h-index	g-index

53	53	53	2308
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optical Fiber-Based Recording of Climbing Fiber Ca2+ Signals in Freely Behaving Mice. Biology, 2022, 11, 907.	2.8	1
2	A cerebellar-thalamocortical pathway drives behavioral context-dependent movement initiation. Neuron, 2021, 109, 2326-2338.e8.	8.1	63
3	Enhanced modulation of cell-type specific neuronal responses in mouse dorsal auditory field during locomotion. Cell Calcium, 2021, 96, 102390.	2.4	10
4	Visual plasticity: Illuminating the role of the hippocampus in cortical sensory encoding. Current Biology, 2021, 31, R1087-R1089.	3.9	0
5	Context value updating and multidimensional neuronal encoding in the retrosplenial cortex. Nature Communications, 2021, 12, 6045.	12.8	8
6	Reward Association Enhances Stimulus-Specific Representations in Primary Visual Cortex. Current Biology, 2020, 30, 1866-1880.e5.	3.9	83
7	Disynaptic cerebrocerebellar pathways originating from multiple functionally distinct cortical areas. ELife, 2020, 9, .	6.0	37
8	In-vivo deep-brain imaging through a single fibre endoscope (Conference Presentation). , 2019, , .		0
9	Action and learning shape the activity of neuronal circuits in the visual cortex. Current Opinion in Neurobiology, 2018, 52, 88-97.	4.2	90
10	High-fidelity multimode fibre-based endoscopy for deep brain in vivo imaging. Light: Science and Applications, 2018, 7, 92.	16.6	211
11	Chronic Two-Photon Calcium Imaging in the Visual Cortex of Awake Behaving Mice. Handbook of Behavioral Neuroscience, 2018, , 235-251.	0.7	3
12	The Impact of Visual Cues, Reward, and Motor Feedback on the Representation of Behaviorally Relevant Spatial Locations in Primary Visual Cortex. Cell Reports, 2018, 24, 2521-2528.	6.4	61
13	FISSA: A neuropil decontamination toolbox for calcium imaging signals. Scientific Reports, 2018, 8, 3493.	3.3	59
14	Modulation of complex spike activity differs between zebrin-positive and -negative Purkinje cells in the pigeon cerebellum. Journal of Neurophysiology, 2018, 120, 250-262.	1.8	8
15	Optimization of interneuron function by direct coupling of cell migration and axonal targeting. Nature Neuroscience, 2018, 21, 920-931.	14.8	72
16	A Critical Role for Astrocytes in Hypercapnic Vasodilation in Brain. Journal of Neuroscience, 2017, 37, 2403-2414.	3.6	58
17	Acute in utero exposure to lipopolysaccharide induces inflammation in the pre- and postnatal brain and alters the glial cytoarchitecture in the developing amygdala. Journal of Neuroinflammation, 2017, 14, 212.	7.2	88
18	The Cerebellum of Nonmammalian Vertebrates. , 2017, , 373-385.		10

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19	Behavioral-state modulation of inhibition is context-dependent and cell type specific in mouse visual cortex. ELife, 2016, 5, .	6.0	211
20	Imaging oxygen in neural cell and tissue models by means of anionic cell-permeable phosphorescent nanoparticles. Cellular and Molecular Life Sciences, 2015, 72, 367-381.	5.4	49
21	Effect of maternal immune activation on preâ€•and postnatal murine brain development. FASEB Journal, 2015, 29, LB32.	0.5	0
22	A method to investigate radial glia cell behavior using two-photon time-lapse microscopy in an ex vivo model of spinal cord development. Frontiers in Neuroanatomy, 2014, 8, 22.	1.7	13
23	Climbing fiber projections in relation to zebrin stripes in the ventral uvula in pigeons. Journal of Comparative Neurology, 2014, 522, 3629-3643.	1.6	7
24	Radial glial cells: Key organisers in CNS development. International Journal of Biochemistry and Cell Biology, 2014, 46, 76-79.	2.8	70
25	Small molecule phosphorescent probes for O₂imaging in 3D tissue models. Biomaterials Science, 2014, 2, 853-866.	5.4	93
26	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. Epilepsy and Behavior, 2014, 37, 175-183.	1.7	18
27	Realâ€time monitoring of oxygenation in cultured organotypic brain slices (1180.20). FASEB Journal, 2014, 28, 1180.20.	0.5	0
28	The spatial and temporal arrangement of the radial glial scaffold suggests a role in axon tract formation in the developing spinal cord. Journal of Anatomy, 2013, 222, 203-213.	1.5	16
29	An ex-vivo multiple sclerosis model of inflammatory demyelination using hyperbranched polymer. Biomaterials, 2013, 34, 5872-5882.	11.4	4
30	Social status, breeding state, and GnRH soma size in convict cichlids (Cryptoheros nigrofasciatus). Behavioural Brain Research, 2013, 237, 318-324.	2.2	12
31	Distribution of zebrinâ€immunoreactive Purkinje cell terminals in the cerebellar and vestibular nuclei of birds. Journal of Comparative Neurology, 2012, 520, 1532-1546.	1.6	13
32	Heterogeneity of parvalbumin expression in the avian cerebellar cortex and comparisons with zebrin II. Neuroscience, 2011, 185, 73-84.	2.3	11
33	Organization of the cerebellum: Correlating zebrin immunochemistry with optic flow zones in the pigeon flocculus. Visual Neuroscience, 2011, 28, 163-174.	1.0	25
34	Organization of visual mossy fiber projections and zebrin expression in the pigeon vestibulocerebellum. Journal of Comparative Neurology, 2010, 518, 175-198.	1.6	41
35	Allometric Scaling of the Tectofugal Pathway in Birds. Brain, Behavior and Evolution, 2010, 75, 122-137.	1.7	30
36	The optic tectum of birds: Mapping our way to understanding visual processing.. Canadian Journal of Experimental Psychology, 2009, 63, 328-338.	0.8	84

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37	Expression of calcium-binding proteins in cerebellar- and inferior olivary-projecting neurons in the nucleus lentiformis mesencephali of pigeons. Visual Neuroscience, 2009, 26, 341-347.	1.0	19
38	Compartmentation of the cerebellar cortex of hummingbirds (Aves: Trochilidae) revealed by the expression of zebrin II and phospholipase CÎ²4. Journal of Chemical Neuroanatomy, 2009, 37, 55-63.	2.1	34
39	Differential projections from the vestibular nuclei to the flocculus and uvulaâ€nodulus in pigeons (Columba livia). Journal of Comparative Neurology, 2008, 508, 402-417.	1.6	21
40	Congruence of zebrin II expression and functional zones defined by climbing fiber topography in the flocculus. Neuroscience, 2008, 157, 57-69.	2.3	23
41	Expression of calcium-binding proteins in pathways from the nucleus of the basal optic root to the cerebellum in pigeons. Visual Neuroscience, 2008, 25, 701-707.	1.0	8
42	Projections of the nucleus of the basal optic root in pigeons (Columba livia): A comparison of the morphology and distribution of neurons with different efferent projections. Visual Neuroscience, 2007, 24, 691-707.	1.0	13
43	Purkinje cell compartmentation as revealed by Zebrin II expression in the cerebellar cortex of pigeons (Columba livia). Journal of Comparative Neurology, 2007, 501, 619-630.	1.6	57
44	A comparison of ventral tegmental neurons projecting to optic flow regions of the inferior olive vs. the hippocampal formation. Neuroscience, 2006, 141, 463-473.	2.3	6
45	Projections of the nucleus lentiformis mesencephali in pigeons (Columba livia): A comparison of the morphology and distribution of neurons with different efferent projections. Journal of Comparative Neurology, 2006, 495, 84-99.	1.6	25
46	Two optic flow pathways from the pretectal nucleus lentiformis mesencephali to the cerebellum in pigeons (Columba livia). Journal of Comparative Neurology, 2006, 499, 732-744.	1.6	40
47	Inferior olivary neurons innervate multiple zones of the flocculus in pigeons (Columba livia). Journal of Comparative Neurology, 2005, 486, 159-168.	1.6	18
48	Cerebellar-Recipient Motor Thalamus Drives Behavioral Context-Specific Movement Initiation. SSRN Electronic Journal, 0, , .	0.4	3