

ZoltÄ;n F KisvÄ;rdy

List of Publications by Year in descending order

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38
papers

5,083
citations

279798

23
h-index

330143

37
g-index

38
all docs

38
docs citations

38
times ranked

5633
citing authors

#	ARTICLE	IF	CITATIONS
1	Petilla terminology: nomenclature of features of GABAergic interneurons of the cerebral cortex. <i>Nature Reviews Neuroscience</i> , 2008, 9, 557-568.	10.2	1,314
2	Reconstruction and Simulation of Neocortical Microcircuitry. <i>Cell</i> , 2015, 163, 456-492.	28.9	1,258
3	New insights into the classification and nomenclature of cortical GABAergic interneurons. <i>Nature Reviews Neuroscience</i> , 2013, 14, 202-216.	10.2	707
4	The fractions of short- and long-range connections in the visual cortex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 3555-3560.	7.1	184
5	Network of GABAergic large basket cells in cat visual cortex (area 18): Implication for lateral disinhibition. <i>Journal of Comparative Neurology</i> , 1993, 327, 398-415.	1.6	177
6	Evidence for a contribution of lateral inhibition to orientation tuning and direction selectivity in cat visual cortex: reversible inactivation of functionally characterized sites combined with neuroanatomical tracing techniques. <i>European Journal of Neuroscience</i> , 1998, 10, 2056-2075.	2.6	121
7	Relationship Between Lateral Inhibitory Connections and the Topography of the Orientation Map in Cat Visual Cortex. <i>European Journal of Neuroscience</i> , 1994, 6, 1619-1632.	2.6	117
8	Model-based analysis of excitatory lateral connections in the visual cortex. <i>Journal of Comparative Neurology</i> , 2006, 499, 861-881.	1.6	96
9	Cortical Activation Via an Implanted Wireless Retinal Prosthesis. , 2005, 46, 1780.		93
10	GABA-induced inactivation of functionally characterized sites in cat striate cortex: Effects on orientation tuning and direction selectivity. <i>Visual Neuroscience</i> , 1997, 14, 141-158.	1.0	92
11	Visual resolution with retinal implants estimated from recordings in cat visual cortex. <i>Vision Research</i> , 2006, 46, 2675-2690.	1.4	92
12	Functional and Structural Topography of Horizontal Inhibitory Connections in Cat Visual Cortex. <i>European Journal of Neuroscience</i> , 1993, 5, 1558-1572.	2.6	86
13	Axonal topography of cortical basket cells in relation to orientation, direction, and ocular dominance maps. <i>Journal of Comparative Neurology</i> , 2001, 437, 259-285.	1.6	86
14	Neocortical Axon Arbors Trade-off Material and Conduction Delay Conservation. <i>PLoS Computational Biology</i> , 2010, 6, e1000711.	3.2	73
15	Chapter 18 GABAergic networks of basket cells in the visual cortex. <i>Progress in Brain Research</i> , 1992, 90, 385-405.	1.4	66
16	Communication and wiring in the cortical connectome. <i>Frontiers in Neuroanatomy</i> , 2012, 6, 42.	1.7	66
17	Orientation topography of layer 4 lateral networks revealed by optical imaging in cat visual cortex (area 18). <i>European Journal of Neuroscience</i> , 1999, 11, 4291-4308.	2.6	49
18	Local lateral connectivity of inhibitory clutch cells in layer 4 of cat visual cortex (area 17). <i>Experimental Brain Research</i> , 2001, 140, 245-250.	1.5	43

#	ARTICLE	IF	CITATIONS
19	Topography of orientation centre connections in the primary visual cortex of the cat. <i>NeuroReport</i> , 2001, 12, 1693-1699.	1.2	41
20	Functional topography of single cortical cells: an intracellular approach combined with optical imaging. <i>Brain Research Protocols</i> , 1998, 3, 199-208.	1.6	36
21	One axon-multiple functions: specificity of lateral inhibitory connections by large basket cells. <i>Journal of Neurocytology</i> , 2002, 31, 255-264.	1.5	36
22	Hidden Complexity of Synaptic Receptive Fields in Cat V1. <i>Journal of Neuroscience</i> , 2014, 34, 5515-5528.	3.6	36
23	Independence of visuotopic representation and orientation map in the visual cortex of the cat. <i>European Journal of Neuroscience</i> , 2003, 18, 957-968.	2.6	35
24	Response to Comment on "Universality in the Evolution of Orientation Columns in the Visual Cortex". <i>Science</i> , 2012, 336, 413-413.	12.6	30
25	Combined physiological-anatomical approaches to study lateral inhibition. <i>Journal of Neuroscience Methods</i> , 2000, 103, 91-106.	2.5	24
26	Comment on "Principles of connectivity among morphologically defined cell types in adult neocortex". <i>Science</i> , 2016, 353, 1108-1108.	12.6	24
27	Axon Topography of Layer IV Spiny Cells to Orientation Map in the Cat Primary Visual Cortex (Area 18). <i>Cerebral Cortex</i> , 2011, 21, 1443-1458.	2.9	18
28	Distinct Heterosynaptic Plasticity in Fast Spiking and Non-Fast-Spiking Inhibitory Neurons in Rat Visual Cortex. <i>Journal of Neuroscience</i> , 2019, 39, 6865-6878.	3.6	16
29	The thermodynamic brain and the evolution of intellect: the role of mental energy. <i>Cognitive Neurodynamics</i> , 2020, 14, 743-756.	4.0	15
30	Advantages of prophylactic versus conventionally scheduled heart failure therapy in an experimental model of doxorubicin-induced cardiomyopathy. <i>Journal of Translational Medicine</i> , 2019, 17, 229.	4.4	14
31	Axon topography of layer 6 spiny cells to orientation map in the primary visual cortex of the cat (area 17). <i>Journal of Neurocytology</i> , 2002, 31, 255-264.	2.3	14
32	How do you wire a brain?. <i>Frontiers in Neuroanatomy</i> , 2013, 7, 14.	1.7	7
33	Prophylactic, single-drug cardioprotection in a comparative, experimental study of doxorubicin-induced cardiomyopathy. <i>Journal of Translational Medicine</i> , 2020, 18, 470.	4.4	6
34	The thermodynamics of cognition: A mathematical treatment. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 784-793.	4.1	6
35	Radiocarbon Map of a Bomb-Peak Labeled Human Eye. <i>Radiocarbon</i> , 2020, 62, 189-196.	1.8	4
36	Optical Imaging of Intrinsic Neural Signals and Simultaneous MicroECoG Recording Using Polyimide Implants. <i>Proceedings (mdpi)</i> , 2017, 1, .	0.2	3

#	ARTICLE	IF	CITATIONS
37	Application of the Mirror Technique for Three-Dimensional Electron Microscopy of Neurochemically Identified GABA-ergic Dendrites. <i>Frontiers in Neuroanatomy</i> , 2021, 15, 652422.	1.7	1
38	Application of the mirror technique for block-face scanning electron microscopy. <i>Brain Structure and Function</i> , 2022, 227, 1933-1947.	2.3	1