Sebastian Bludau

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/561864/publications.pdf

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24	1,991	567281 15	610901 24
papers	citations	h-index	g-index

31	31	31	3033
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	BigBrain: An Ultrahigh-Resolution 3D Human Brain Model. Science, 2013, 340, 1472-1475.	12.6	673
2	Julich-Brain: A 3D probabilistic atlas of the human brainâ€™s cytoarchitecture. Science, 2020, 369, 988-992.	12.6	246
3	Cytoarchitecture, probability maps and functions of the human frontal pole. NeuroImage, 2014, 93, 260-275.	4.2	193
4	Spatial Organization of Neurons in the Frontal Pole Sets Humans Apart from Great Apes. Cerebral Cortex, 2011, 21, 1485-1497.	2.9	180
5	BigBrain 3D atlas of cortical layers: Cortical and laminar thickness gradients diverge in sensory and motor cortices. PLoS Biology, 2020, 18, e3000678.	5.6	120
6	Two New Cytoarchitectonic Areas on the Human Mid-Fusiform Gyrus. Cerebral Cortex, 2017, 27, bhv225.	2.9	91
7	Cytoarchitecture, probability maps, and functions of the human supplementary and pre-supplementary motor areas. Brain Structure and Function, 2018, 223, 4169-4186.	2.3	74
8	Mapping Cortical Laminar Structure in the 3D BigBrain. Cerebral Cortex, 2018, 28, 2551-2562.	2.9	69
9	Cytoarchitecture and probability maps of the human medial orbitofrontal cortex. Cortex, 2016, 75, 87-112.	2.4	66
10	Medial Prefrontal Aberrations in Major Depressive Disorder Revealed by Cytoarchitectonically Informed Voxel-Based Morphometry. American Journal of Psychiatry, 2016, 173, 291-298.	7.2	52
11	Cytoarchitectonic mapping of the human brain cerebellar nuclei in stereotaxic space and delineation of their co-activation patterns. Frontiers in Neuroanatomy, 2015, 09, 54.	1.7	35
12	Cytoarchitectonic segregation of human posterior intraparietal and adjacent parieto-occipital sulcus and its relation to visuomotor and cognitive functions. Cerebral Cortex, 2019, 29, 1305-1327.	2.9	32
13	Four new cytoarchitectonic areas surrounding the primary and early auditory cortex in human brains. Cortex, 2020, 128, 1-21.	2.4	32
14	Co-activation based parcellation of the human frontal pole. NeuroImage, 2015, 123, 200-211.	4.2	30
15	Receptor-driven, multimodal mapping of the human amygdala. Brain Structure and Function, 2018, 223, 1637-1666.	2.3	19
16	Integration of transcriptomic and cytoarchitectonic data implicates a role for MAOA and TAC1 in the limbic-cortical network. Brain Structure and Function, 2018, 223, 2335-2342.	2.3	19
17	Cytoarchitectonic Characterization and Functional Decoding of Four New Areas in the Human Lateral Orbitofrontal Cortex. Frontiers in Neuroanatomy, 2020, 14, 2.	1.7	15
18	Combined analysis of cytoarchitectonic, molecular and transcriptomic patterns reveal differences in brain organization across human functional brain systems. NeuroImage, 2022, 257, 119286.	4.2	12

#	Article	IF	Citations
19	Cytoarchitecture, probability maps and segregation of the human insula. NeuroImage, 2022, 260, 119453.	4.2	9
20	Identification of Phonology-Related Genes and Functional Characterization of Brocaâ€™s and Wernickeâ€™s Regions in Language and Learning Disorders. Frontiers in Neuroscience, 2021, 15, 680762.	2.8	7
21	Cytoarchitectonic parcellation and functional characterization of four new areas in the caudal parahippocampal cortex. Brain Structure and Function, 2022, 227, 1439-1455.	2.3	5
22	A High-Resolution Model of the Human Entorhinal Cortex in the â€˜BigBrainâ€™ â€“ Use Case for Machine Learning and 3D Analyses. Lecture Notes in Computer Science, 2021, , 3-21.	1.3	3
23	Cytoarchitectonic Maps of the Human Metathalamus in 3D Space. Frontiers in Neuroanatomy, 2022, 16, 837485.	1.7	3
24	Towards 3D Reconstruction of Neuronal Cell Distributions from Histological Human Brain Sections. Advances in Parallel Computing, 2019, , .	0.3	2