

Fabrice de Chaumont

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

4,634
citations

361413

20
h-index

395702

33
g-index

43
all docs

43
docs citations

43
times ranked

8316
citing authors

#	ARTICLE	IF	CITATIONS
1	Icy: an open bioimage informatics platform for extended reproducible research. Nature Methods, 2012, 9, 690-696.	19.0	1,280
2	Objective comparison of particle tracking methods. Nature Methods, 2014, 11, 281-289.	19.0	805
3	Prions hijack tunnelling nanotubes for intercellular spread. Nature Cell Biology, 2009, 11, 328-336.	10.3	539
4	Tunneling nanotubes spread fibrillar α -synuclein by intercellular trafficking of lysosomes. EMBO Journal, 2016, 35, 2120-2138.	7.8	286
5	Computerized video analysis of social interactions in mice. Nature Methods, 2012, 9, 410-417.	19.0	184
6	Cellular and Behavioral Effects of Cranial Irradiation of the Subventricular Zone in Adult Mice. PLoS ONE, 2009, 4, e7017.	2.5	163
7	Specific targeting of the GABA-A receptor α 5 subtype by a selective inverse agonist restores cognitive deficits in Down syndrome mice. Journal of Psychopharmacology, 2011, 25, 1030-1042.	4.0	153
8	Learning and Survival of Newly Generated Neurons: When Time Matters. Journal of Neuroscience, 2008, 28, 11511-11516.	3.6	146
9	Real-time analysis of the behaviour of groups of mice via a depth-sensing camera and machine learning. Nature Biomedical Engineering, 2019, 3, 930-942.	22.5	112
10	Ezrin tunes T-cell activation by controlling Dlg1 and microtubule positioning at the immunological synapse. EMBO Journal, 2010, 29, 2301-2314.	7.8	111
11	Anxiety- and Depression-Like States Lead to Pronounced Olfactory Deficits and Impaired Adult Neurogenesis in Mice. Journal of Neuroscience, 2016, 36, 518-531.	3.6	94
12	Prefrontal nicotinic receptors control novel social interaction between mice. FASEB Journal, 2011, 25, 2145-2155.	0.5	93
13	Trisomy for Synaptojanin1 in Down syndrome is functionally linked to the enlargement of early endosomes. Human Molecular Genetics, 2012, 21, 3156-3172.	2.9	92
14	Disruption of Adult Neurogenesis in the Olfactory Bulb Affects Social Interaction but not Maternal Behavior. Frontiers in Behavioral Neuroscience, 2010, 4, 176.	2.0	80
15	Adult Neurogenesis Restores Dopaminergic Neuronal Loss in the Olfactory Bulb. Journal of Neuroscience, 2014, 34, 14430-14442.	3.6	74
16	Recording Mouse Ultrasonic Vocalizations to Evaluate Social Communication. Journal of Visualized Experiments, 2016, , .	0.3	47
17	Contactin 4, -5 and -6 differentially regulate neuritogenesis while they display identical PTPRG binding sites. Biology Open, 2013, 2, 324-334.	1.2	38
18	A versatile system for the neuronal subtype specific expression of lentiviral vectors. FASEB Journal, 2010, 24, 723-730.	0.5	33

#	ARTICLE	IF	CITATIONS
19	Long-term live-cell imaging reveals new roles for Salmonella effector proteins SseG and SteA. Cellular Microbiology, 2017, 19, e12641.	2.1	29
20	ICY: A new open-source community image processing software. , 2011, , .		26
21	Nonaggressive and adapted social cognition is controlled by the interplay between noradrenergic and nicotinic receptor mechanisms in the prefrontal cortex. FASEB Journal, 2013, 27, 4343-4354.	0.5	26
22	Dlx5 and Dlx6 expression in GABAergic neurons controls behavior, metabolism, healthy aging and lifespan. Aging, 2019, 11, 6638-6656.	3.1	25
23	Anisotropic organization of circumferential actomyosin characterizes hematopoietic stem cells emergence in the zebrafish. ELife, 2018, 7, .	6.0	25
24	mouseTube â€“ a database to collaboratively unravel mouse ultrasonic communication. F1000Research, 2016, 5, 2332.	1.6	23
25	Shank2 Mutant Mice Display Hyperactivity Insensitive to Methylphenidate and Reduced Flexibility in Social Motivation, but Normal Social Recognition. Frontiers in Molecular Neuroscience, 2018, 11, 365.	2.9	21
26	Acute stress in adulthood impoverishes social choices and triggers aggressiveness in preclinical models. Frontiers in Behavioral Neuroscience, 2014, 8, 447.	2.0	20
27	Absence of Fungal Spore Internalization by Bronchial Epithelium in Mouse Models Evidenced by a New Bioimaging Approach and Transmission Electronic Microscopy. American Journal of Pathology, 2015, 185, 2421-2430.	3.8	20
28	LMT USV Toolbox, a Novel Methodological Approach to Place Mouse Ultrasonic Vocalizations in Their Behavioral Contextsâ€™ A Study in Female and Male C57BL/6J Mice and in Shank3 Mutant Females. Frontiers in Behavioral Neuroscience, 2021, 15, 735920.	2.0	17
29	Social Communication in Mice â€“ Are There Optimal Cage Conditions?. PLoS ONE, 2015, 10, e0121802.	2.5	15
30	Testosterone Increases the Emission of Ultrasonic Vocalizations With Different Acoustic Characteristics in Mice. Frontiers in Psychology, 2021, 12, 680176.	2.1	8
31	Cell Tracking Profiler: a user-driven analysis framework for evaluating 4D live cell imaging data. Journal of Cell Science, 2020, 133, .	2.0	7
32	Automig, a Biosensor to Detect Alterations in miRNA Biogenesis and in Small RNA Silencing Guided by Perfect Target Complementarity. PLoS ONE, 2013, 8, e74296.	2.5	5
33	Stress-induced brain activation: buffering role of social behavior and neuronal nicotinic receptors. Brain Structure and Function, 2018, 223, 4259-4274.	2.3	5
34	Unbiased analysis of mouse social behaviour using unsupervised machine learning. , 2017, , .		2
35	Substructure Analyzer: A User-Friendly Workflow for Rapid Exploration and Accurate Analysis of Cellular Bodies in Fluorescence Microscopy Images. Journal of Visualized Experiments, 2020, , .	0.3	1
36	Unsupervised analysis of mouse social behaviour reveals how hyperactivity impacts social aspects in a mouse model of autism. , 2018, , .		0