

Dominique Muller

List of Publications by Year in descending order

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13
papers

1,842
citations

759233

12
h-index

1125743

13
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all docs

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docs citations

13
times ranked

3138
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural plasticity upon learning: regulation and functions. <i>Nature Reviews Neuroscience</i> , 2012, 13, 478-490.	10.2	387
2	Activity-Dependent Structural Plasticity of Perisynaptic Astrocytic Domains Promotes Excitatory Synapse Stability. <i>Current Biology</i> , 2014, 24, 1679-1688.	3.9	294
3	Hippocampal Somatostatin Interneurons Control the Size of Neuronal Memory Ensembles. <i>Neuron</i> , 2016, 89, 1074-1085.	8.1	201
4	Astrocyte-Synapse Structural Plasticity. <i>Neural Plasticity</i> , 2014, 2014, 1-13.	2.2	192
5	LTP Promotes a Selective Long-Term Stabilization and Clustering of Dendritic Spines. <i>PLoS Biology</i> , 2008, 6, e219.	5.6	182
6	Synaptic potentiation induces increased glial coverage of excitatory synapses in CA1 hippocampus. <i>Hippocampus</i> , 2009, 19, 753-762.	1.9	129
7	N-cadherin mediates plasticity-induced long-term spine stabilization. <i>Journal of Cell Biology</i> , 2010, 189, 589-600.	5.2	126
8	Structural plasticity: mechanisms and contribution to developmental psychiatric disorders. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 123.	1.7	83
9	Fragile X Mental Retardation Protein (FMRP) controls diacylglycerol kinase activity in neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E3619-28.	7.1	79
10	GluN3A: An NMDA Receptor Subunit with Exquisite Properties and Functions. <i>Neural Plasticity</i> , 2013, 2013, 1-12.	2.2	58
11	Restoring wild-type-like CA1 network dynamics and behavior during adulthood in a mouse model of schizophrenia. <i>Nature Neuroscience</i> , 2018, 21, 1412-1420.	14.8	53
12	Homeostatic Plasticity in the Hippocampus Facilitates Memory Extinction. <i>Cell Reports</i> , 2018, 22, 1451-1461.	6.4	46
13	Synthesis of FMRFaNV, a Photoreleasable Caged Transmitter Designed to Study Neuron-Glia Interactions in the Central Nervous System. <i>Bioconjugate Chemistry</i> , 2015, 26, 2408-2418.	3.6	12