Matthias J Gruber

List of Publications by Year
in descending order

16	1,398	933447 10	1058476 14
papers	citations	h-index	g-index

27	27	27	1329
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	States of Curiosity Modulate Hippocampus-Dependent Learning via the Dopaminergic Circuit. Neuron, 2014, 84, 486-496.	8.1	411
2	Hippocampal Activity Patterns Carry Information about Objects in Temporal Context. Neuron, 2014, 81, 1165-1178.	8.1	307
3	Post-learning Hippocampal Dynamics Promote Preferential Retention of Rewarding Events. Neuron, 2016, 89, 1110-1120.	8.1	157
4	How Curiosity Enhances Hippocampus-Dependent Memory: The Prediction, Appraisal, Curiosity, and Exploration (PACE) Framework. Trends in Cognitive Sciences, 2019, 23, 1014-1025.	7.8	124
5	Voluntary Control over Prestimulus Activity Related to Encoding. Journal of Neuroscience, 2010, 30, 9793-9800.	3.6	101
6	Expected reward modulates encoding-related theta activity before an event. NeuroImage, 2013, 64, 68-74.	4.2	85
7	Theta Phase Synchronization between the Human Hippocampus and Prefrontal Cortex Increases during Encoding of Unexpected Information: A Case Study. Journal of Cognitive Neuroscience, 2018, 30, 1646-1656.	2.3	37
8	States of curiosity and interest enhance memory differently in adolescents and in children. Developmental Science, 2021, 24, e13005.	2.4	35
9	Learning facts during aging: the benefits of curiosity. Experimental Aging Research, 2018, 44, 311-328.	1.2	31
10	Curiosity-driven memory enhancement persists over time but does not benefit from post-learning sleep. Cognitive Neuroscience, 2018, 9, 100-115.	1.4	29
11	Curiosity and Learning. , 2019, , 397-417.		20
12	Temporal proximity to the elicitation of curiosity is key for enhancing memory for incidental information. Learning and Memory, 2021, 28, 34-39.	1.3	13
13	Alpha Oscillations during Incidental Encoding Predict Subsequent Memory for New â€œFoilâ€• Information. Journal of Cognitive Neuroscience, 2018, 30, 667-679.	2.3	11
14	Curiosity in childhood and adolescence â€" what can we learn from the brain. Current Opinion in Behavioral Sciences, 2021, 39, 178-184.	3.9	10
15	Anticipation of novel environments enhances memory for incidental information. Learning and Memory, 2021, 28, 254-259.	1.3	4
16	When Anticipation Aids Long-Term Memory: What Cognitive and Neural Processes Are Involved?. Journal of Neuroscience, 2011, 31, 4355-4356.	3.6	0