

# Alexei M Bygrave

## List of Publications by Year in descending order

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Version: 2024-02-01

7  
papers

197  
citations

1307594

7  
h-index

1720034

7  
g-index

14  
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14  
docs citations

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times ranked

241  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hippocampalâ€“prefrontal coherence mediates working memory and selective attention at distinct frequency bands and provides a causal link between schizophrenia and its risk gene GRIA1. <i>Translational Psychiatry</i> , 2019, 9, 142.	4.8	51
2	An optimized CRISPR/Cas9 approach for precise genome editing in neurons. <i>ELife</i> , 2021, 10, .	6.0	39
3	Visualizing synaptic plasticity in vivo by large-scale imaging of endogenous AMPA receptors. <i>ELife</i> , 2021, 10, .	6.0	33
4	Optogenetic induction of the schizophrenia-related endophenotype of ventral hippocampal hyperactivity causes rodent correlates of positive and cognitive symptoms. <i>Scientific Reports</i> , 2018, 8, 12871.	3.3	22
5	Tyrosine phosphorylation of the AMPA receptor subunit GluA2 gates homeostatic synaptic plasticity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 4948-4958.	7.1	20
6	The group II metabotropic glutamate receptor agonist LY354740 and the D2 receptor antagonist haloperidol reduce locomotor hyperactivity but fail to rescue spatial working memory in GluA1 knockout mice. <i>European Journal of Neuroscience</i> , 2017, 45, 912-921.	2.6	13
7	Gene-Environment Interaction in a Conditional NMDAR-Knockout Model of Schizophrenia. <i>Frontiers in Behavioral Neuroscience</i> , 2018, 12, 332.	2.0	7