

Mathew V Jones

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

2,265
citations

471509

17
h-index

839539

18
g-index

22
all docs

22
docs citations

22
times ranked

1648
citing authors

#	ARTICLE	IF	CITATIONS
1	Desensitized states prolong GABAA channel responses to brief agonist pulses. <i>Neuron</i> , 1995, 15, 181-191.	8.1	571
2	The impact of receptor desensitization on fast synaptic transmission. <i>Trends in Neurosciences</i> , 1996, 19, 96-101.	8.6	437
3	Reduced cortical inhibition in a mouse model of familial childhood absence epilepsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 17536-17541.	7.1	192
4	Slow Desensitization Regulates the Availability of Synaptic GABA _A Receptors. <i>Journal of Neuroscience</i> , 2000, 20, 7914-7921.	3.6	159
5	Defining Affinity with the GABA _A Receptor. <i>Journal of Neuroscience</i> , 1998, 18, 8590-8604.	3.6	152
6	Shaping of IPSCs by Endogenous Calcineurin Activity. <i>Journal of Neuroscience</i> , 1997, 17, 7626-7633.	3.6	141
7	Altered kinetics and benzodiazepine sensitivity of a GABAA receptor subunit mutation [Δ (R43Q)] found in human epilepsy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 15170-15175.	7.1	104
8	Microscopic Kinetics and Energetics Distinguish GABAA Receptor Agonists from Antagonists. <i>Biophysical Journal</i> , 2001, 81, 2660-2670.	0.5	86
9	Slow GABA Transient and Receptor Desensitization Shape Synaptic Responses Evoked by Hippocampal Neurogliaform Cells. <i>Journal of Neuroscience</i> , 2010, 30, 9898-9909.	3.6	82
10	An Arginine Involved in GABA Binding and Unbinding But Not Gating of the GABAA Receptor. <i>Journal of Neuroscience</i> , 2004, 24, 2733-2741.	3.6	63
11	Developmental impact of a familial GABA _A receptor epilepsy mutation. <i>Annals of Neurology</i> , 2008, 64, 284-293.	5.3	55
12	Kinetics and Spontaneous Open Probability Conferred by the α Subunit of the GABAA Receptor. <i>Journal of Neuroscience</i> , 2005, 25, 10462-10468.	3.6	40
13	An Epilepsy-Related Region in the GABA _A Receptor Mediates Long-Distance Effects on GABA and Benzodiazepine Binding Sites. <i>Molecular Pharmacology</i> , 2010, 77, 35-45.	2.3	38
14	A nonequilibrium binary elements-based kinetic model for benzodiazepine regulation of GABAA receptors. <i>Journal of General Physiology</i> , 2014, 144, 27-39.	1.9	30
15	Three Arginines in the GABA _A Receptor Binding Pocket Have Distinct Roles in the Formation and Stability of Agonist- versus Antagonist-Bound Complexes. <i>Molecular Pharmacology</i> , 2011, 80, 647-656.	2.3	27
16	Increased thalamic inhibition in the absence seizure prone DBA/2J mouse. <i>Epilepsia</i> , 2008, 49, 921-925.	5.1	25
17	Measuring and Modeling the Spatiotemporal Profile of GABA at the Synapse. , 0, , 259-275.		24
18	Temperature elevation increases GABAA-mediated cortical inhibition in a mouse model of genetic epilepsy. <i>Epilepsia</i> , 2011, 52, 179-184.	5.1	20

#	ARTICLE	IF	CITATIONS
19	An automated, machine learning-based detection algorithm for spike-wave discharges (SWDs) in a mouse model of absence epilepsy. <i>Epilepsia Open</i> , 2019, 4, 110-122.	2.4	17