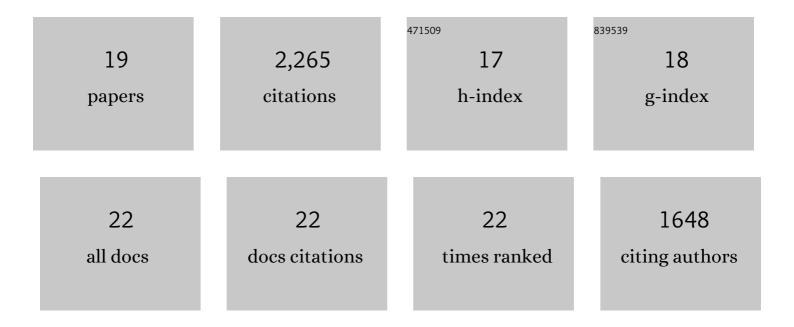
Mathew V Jones

List of Publications by Year in descending order

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MATHEW VIONES

#	Article	IF	CITATIONS
1	An automated, machine learning–based detection algorithm for spikeâ€wave discharges (SWDs) in a mouse model of absence epilepsy. Epilepsia Open, 2019, 4, 110-122.	2.4	17
2	A nonequilibrium binary elements-based kinetic model for benzodiazepine regulation of GABAA receptors. Journal of General Physiology, 2014, 144, 27-39.	1.9	30
3	Temperature elevation increases GABAA-mediated cortical inhibition in a mouse model of genetic epilepsy. Epilepsia, 2011, 52, 179-184.	5.1	20
4	Three Arginines in the GABA _A Receptor Binding Pocket Have Distinct Roles in the Formation and Stability of Agonist- versus Antagonist-Bound Complexes. Molecular Pharmacology, 2011, 80, 647-656.	2.3	27
5	An Epilepsy-Related Region in the GABA _A Receptor Mediates Long-Distance Effects on GABA and Benzodiazepine Binding Sites. Molecular Pharmacology, 2010, 77, 35-45.	2.3	38
6	Slow GABA Transient and Receptor Desensitization Shape Synaptic Responses Evoked by Hippocampal Neurogliaform Cells. Journal of Neuroscience, 2010, 30, 9898-9909.	3.6	82
7	Developmental impact of a familial GABA _A receptor epilepsy mutation. Annals of Neurology, 2008, 64, 284-293.	5.3	55
8	Increased thalamic inhibition in the absence seizure prone DBA/2J mouse. Epilepsia, 2008, 49, 921-925.	5.1	25
9	Reduced cortical inhibition in a mouse model of familial childhood absence epilepsy. Proceedings of the United States of America, 2007, 104, 17536-17541.	7.1	192
10	Kinetics and Spontaneous Open Probability Conferred by the Subunit of the GABAA Receptor. Journal of Neuroscience, 2005, 25, 10462-10468.	3.6	40
11	An Arginine Involved in GABA Binding and Unbinding But Not Gating of the GABAA Receptor. Journal of Neuroscience, 2004, 24, 2733-2741.	3.6	63
12	Altered kinetics and benzodiazepine sensitivity of a GABAA receptor subunit mutation [Â2(R43Q)] found in human epilepsy. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15170-15175.	7.1	104
13	Microscopic Kinetics and Energetics Distinguish GABAA Receptor Agonists from Antagonists. Biophysical Journal, 2001, 81, 2660-2670.	0.5	86
14	Slow Desensitization Regulates the Availability of Synaptic GABA _A Receptors. Journal of Neuroscience, 2000, 20, 7914-7921.	3.6	159
15	Defining Affinity with the GABA _A Receptor. Journal of Neuroscience, 1998, 18, 8590-8604.	3.6	152
16	Shaping of IPSCs by Endogenous Calcineurin Activity. Journal of Neuroscience, 1997, 17, 7626-7633.	3.6	141
17	The impact of receptor desensitization on fast synaptic transmission. Trends in Neurosciences, 1996, 19, 96-101.	8.6	437
18	Desensitized states prolong GABAA channel responses to brief agonist pulses. Neuron, 1995, 15, 181-191.	8.1	571

#	Article	IF	CITATIONS
19	Measuring and Modeling the Spatiotemporal Profile of GABA at the Synapse. , 0, , 259-275.		24