Emily K Osterweil

List of Publications by Year
in descending order

31	3,409	394421 19	610901 24
papers	citations	h-index	g-index

34	34	34	4224
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Correction of Fragile X Syndrome in Mice. Neuron, 2007, 56, 955-962.	8.1	895
2	Mutations causing syndromic autism define an axis of synaptic pathophysiology. Nature, 2011, 480, 63-68.	27.8	546
3	Hypersensitivity to mGluR5 and ERK1/2 Leads to Excessive Protein Synthesis in the Hippocampus of a Mouse Model of Fragile X Syndrome. Journal of Neuroscience, 2010, 30, 15616-15627.	3.6	336
4	Altered vascular permeability and early onset of experimental autoimmune encephalomyelitis in PECAM-1â€“deficient mice. Journal of Clinical Investigation, 2002, 109, 383-392.	8.2	259
5	A role for myosin VI in postsynaptic structure and glutamate receptor endocytosis. Journal of Cell Biology, 2005, 168, 329-338.	5.2	210
6	Lovastatin Corrects Excess Protein Synthesis and Prevents Epileptogenesis in a Mouse Model of Fragile X Syndrome. Neuron, 2013, 77, 243-250.	8.1	206
7	Cognitive dysfunction and prefrontal synaptic abnormalities in a mouse model of fragile X syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2587-2592.	7.1	143
8	Myosin 1E interacts with synaptojanin-1 and dynamin and is involved in endocytosis. FEBS Letters, 2007, 581, 644-650.	2.8	137
9	Fragile X: Translation in Action. Neuropsychopharmacology, 2008, 33, 84-87.	5.4	94
10	Conserved hippocampal cellular pathophysiology but distinct behavioural deficits in a new rat model of FXS. Human Molecular Genetics, 2015, 24, 5977-5984.	2.9	92
11	Cell-Type-Specific Translation Profiling Reveals a Novel Strategy for Treating Fragile X Syndrome. Neuron, 2017, 95, 550-563.e5.	8.1	81
12	Convergence of Hippocampal Pathophysiology inSyngap^{+/â^’}andFmr1^{â^’/y}Mice. Journal of Neuroscience, 2015, 35, 15073-15081.	3.6	76
13	Perturbed proteostasis in autism spectrum disorders. Journal of Neurochemistry, 2016, 139, 1081-1092.	3.9	58
14	Sustained correction of associative learning deficits after brief, early treatment in a rat model of Fragile X Syndrome. Science Translational Medicine, 2019, 11, .	12.4	57
15	Is metabotropic glutamate receptor 5 upregulated in prefrontal cortex in fragile X syndrome?. Molecular Autism, 2013, 4, 15.	4.9	50
16	Microbiome-derived carnitine mimics as previously unknown mediators of gut-brain axis communication. Science Advances, 2020, 6, eaax6328.	10.3	45
17	Negative Allosteric Modulation of mGluR5 Partially Corrects Pathophysiology in a Mouse Model of Rett Syndrome. Journal of Neuroscience, 2016, 36, 11946-11958.	3.6	41
18	Metabotropic glutamate receptor signaling is required for NMDA receptor-dependent ocular dominance plasticity and LTD in visual cortex. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12852-12857.	7.1	21

#	Article	IF	Citations
19	Lovastatin, not Simvastatin, Corrects Core Phenotypes in the Fragile X Mouse Model. ENeuro, 2019, 6, ENEURO.0097-19.2019.	1.9	20
20	Activation of mGluR5 Induces Rapid and Long-Lasting Protein Kinase D Phosphorylation in Hippocampal Neurons. Journal of Molecular Neuroscience, 2010, 42, 1-8.	2.3	14
21	Excess ribosomal protein production unbalances translation in a model of Fragile X Syndrome. Nature Communications, 2022, 13, .	12.8	13
22	Lifting the Mood on Treating Fragile X. Biological Psychiatry, 2012, 72, 895-897.	1.3	7
23	The mGluR Theory of Fragile X: From Mice to Men. , 2017, , 173-204.		4
24	Identification and functional modelling of plausibly causative cis-regulatory variants in a highly-selected cohort with X-linked intellectual disability. PLoS ONE, 2021, 16, e0256181.	2.5	3
25	A Differential Effect of Lovastatin versus Simvastatin in Neurodevelopmental Disorders. ENeuro, 2020, 7, ENEURO.0162-20.2020.	1.9	1
26	FMRP and the Pathophysiology ofÂFragileÂXÂSyndrome. , 2016, , 113-128.		0
27	Upsetting the excitatory-inhibitory balance hypothesis of autism. Science Translational Medicine, 2019, 11, .	12.4	0
28	SHANK3 puts autism to sleep. Science Translational Medicine, 2019, 11, .	12.4	0
29	A primate resource for autism research. Science Translational Medicine, 2019, 11, .	12.4	0
30	Of mice, men, and NLGN4. Science Translational Medicine, 2019, 11, .	12.4	0
31	Seizing control of fragile X syndrome. Science Translational Medicine, 2020, 12, .	12.4	0