

Volker Eulenburg

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

3,340
citations

186265

28
h-index

149698

56
g-index

63
all docs

63
docs citations

63
times ranked

4510
citing authors

#	ARTICLE	IF	CITATIONS
1	Adult alcohol drinking and emotional tone are mediated by neutral sphingomyelinase during development in males. <i>Cerebral Cortex</i> , 2023, 33, 844-864.	2.9	9
2	Synergistic Control of Transmitter Turnover at Glycinergic Synapses by GlyT1, GlyT2, and ASC-1. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2561.	4.1	13
3	Nociception in the Glycine Receptor Deficient Mutant Mouse Spastic. <i>Frontiers in Molecular Neuroscience</i> , 2022, 15, 832490.	2.9	3
4	Evaluation of a Luminometric Cell Counting System in Context of Antimicrobial Photodynamic Inactivation. <i>Microorganisms</i> , 2022, 10, 950.	3.6	3
5	The Meta-Substituted Isomer of TMPyP Enables More Effective Photodynamic Bacterial Inactivation than Para-TMPyP In Vitro. <i>Microorganisms</i> , 2022, 10, 858.	3.6	6
6	Photodynamic Inactivation of SARS-CoV-2 Infectivity and Antiviral Treatment Effects In Vitro. <i>Viruses</i> , 2022, 14, 1301.	3.3	10
7	Inspiratory Off-Switch Mediated by Optogenetic Activation of Inhibitory Neurons in the preBötzinger Complex In Vivo. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2019.	4.1	11
8	Modulation of Glycinergic Neurotransmission may Contribute to the Analgesic Effects of Propacetamol. <i>Biomolecules</i> , 2021, 11, 493.	4.0	4
9	Neutral sphingomyelinase mediates the co-morbidity trias of alcohol abuse, major depression and bone defects. <i>Molecular Psychiatry</i> , 2021, 26, 7403-7416.	7.9	20
10	Photosensitizer-loaded hydrogels for photodynamic inactivation of multiresistant bacteria in wounds. <i>RSC Advances</i> , 2021, 11, 7600-7609.	3.6	15
11	GlyT1 encephalopathy: Characterization of presumably disease causing GlyT1 mutations. <i>Neurochemistry International</i> , 2020, 139, 104813.	3.8	7
12	Enhanced Alcohol Preference and Anxiolytic Alcohol Effects in Niemann-Pick Disease Model in Mice. <i>Frontiers in Neurology</i> , 2019, 10, 731.	2.4	17
13	GABA-Glycine Cotransmitting Neurons in the Ventrolateral Medulla: Development and Functional Relevance for Breathing. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 517.	3.7	21
14	The Cortical Neuroimmune Regulator TANK Affects Emotional Processing and Enhances Alcohol Drinking: A Translational Study. <i>Cerebral Cortex</i> , 2019, 29, 1736-1751.	2.9	10
15	Conditional deletion of Cadherin 13 perturbs Golgi cells and disrupts social and cognitive behaviors. <i>Genes, Brain and Behavior</i> , 2018, 17, e12466.	2.2	18
16	EFhd2/Swiprosin-1 is a common genetic determinant for sensation-seeking/low anxiety and alcohol addiction. <i>Molecular Psychiatry</i> , 2018, 23, 1303-1319.	7.9	40
17	Prenatal androgen receptor activation determines adult alcohol and water drinking in a sex-specific way. <i>Addiction Biology</i> , 2018, 23, 904-920.	2.6	30
18	Inactivation of the Mouse L-Proline Transporter PROT Alters Glutamatergic Synapse Biochemistry and Perturbs Behaviors Required to Respond to Environmental Changes. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 279.	2.9	26

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19	GlyT1 determines the glycinergic phenotype of amacrine cells in the mouse retina. <i>Brain Structure and Function</i> , 2018, 223, 3251-3266.	2.3	14
20	The GlyT1 Inhibitor Bitopertin Ameliorates Allodynia and Hyperalgesia in Animal Models of Neuropathic and Inflammatory Pain. <i>Frontiers in Molecular Neuroscience</i> , 2018, 10, 438.	2.9	17
21	Re-evaluation of neuronal P2X7 expression using novel mouse models and a P2X7-specific nanobody. <i>ELife</i> , 2018, 7, .	6.0	128
22	Deficit in acoustic signal noise detection in glycine receptor $\alpha 3$ subunit knockout mice. <i>European Journal of Neuroscience</i> , 2017, 45, 581-586.	2.6	7
23	Paradoxical antidepressant effects of alcohol are related to acid sphingomyelinase and its control of sphingolipid homeostasis. <i>Acta Neuropathologica</i> , 2017, 133, 463-483.	7.7	68
24	Identification of eugenol as the major determinant of GABAA-receptor activation by aqueous <i>Syzygium aromaticum</i> L. (clove buds) extract. <i>Journal of Functional Foods</i> , 2017, 37, 641-649.	3.4	11
25	Three-Step Test System for the Identification of Novel GABAA Receptor Modulating Food Plants. <i>Plant Foods for Human Nutrition</i> , 2016, 71, 355-360.	3.2	17
26	<i>KLB</i> is associated with alcohol drinking, and its gene product β -Klotho is necessary for FGF21 regulation of alcohol preference. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 14372-14377.	7.1	208
27	Loss of Glycine Transporter 1 Causes a Subtype of Glycine Encephalopathy with Arthrogyriposis and Mildly Elevated Cerebrospinal Fluid Glycine. <i>American Journal of Human Genetics</i> , 2016, 99, 1172-1180.	6.2	35
28	Activin Controls Ethanol Potentiation of Inhibitory Synaptic Transmission Through GABAA Receptors and Concomitant Behavioral Sedation. <i>Neuropsychopharmacology</i> , 2016, 41, 2024-2033.	5.4	25
29	The lidocaine metabolite N-ethylglycine has antinociceptive effects in experimental inflammatory and neuropathic pain. <i>Pain</i> , 2015, 156, 1647-1659.	4.2	39
30	Glycine transporter GlyT1, but not GlyT2, is expressed in rat dorsal root ganglion – Possible implications for neuropathic pain. <i>Neuroscience Letters</i> , 2015, 600, 213-219.	2.1	14
31	Genetic ablation of VIAAT in glycinergic neurons causes a severe respiratory phenotype and perinatal death. <i>Brain Structure and Function</i> , 2015, 220, 2835-2849.	2.3	32
32	A Transgenic Mouse Line Expressing the Red Fluorescent Protein tdTomato in GABAergic Neurons. <i>PLoS ONE</i> , 2015, 10, e0129934.	2.5	30
33	Long-term Application of Glycine Transporter Inhibitors Acts Antineuropathic and Modulates Spinal <i>N</i> -methyl-D-aspartate Receptor Subunit NR-1 Expression in Rats. <i>Anesthesiology</i> , 2014, 121, 160-169.	2.5	28
34	Performance of scientific cameras with different sensor types in measuring dynamic processes in fluorescence microscopy. <i>Microscopy Research and Technique</i> , 2013, 76, 835-843.	2.2	8
35	A Retroelement Modifies Pre-mRNA Splicing. <i>Journal of Biological Chemistry</i> , 2012, 287, 31185-31194.	3.4	13
36	Transport activities and expression patterns of glycine transporters 1 and 2 in the developing murine brain stem and spinal cord. <i>Biochemical and Biophysical Research Communications</i> , 2012, 423, 661-666.	2.1	7

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37	Lidocaine Metabolites Inhibit Glycine Transporter 1. <i>Anesthesiology</i> , 2012, 116, 147-158.	2.5	54
38	Lidocaine Metabolites Inhibit Glycine Transporter 1: A Novel Mechanism for the Analgesic Action of Systemic Lidocaine?: Erratum. <i>Anesthesiology</i> , 2012, 116, 1404-1404.	2.5	2
39	Glutamate residue 90 in the predicted transmembrane domain 2 is crucial for cation flux through channelrhodopsin 2. <i>Biochemical and Biophysical Research Communications</i> , 2011, 410, 737-743.	2.1	46
40	S.28.01 Glycine transporters: essential regulators of synaptic transmission. <i>European Neuropsychopharmacology</i> , 2011, 21, S230.	0.7	4
41	Neurotransmitter transporters expressed in glial cells as regulators of synapse function. <i>Brain Research Reviews</i> , 2010, 63, 103-112.	9.0	156
42	Glial glycine transporter 1 function is essential for early postnatal survival but dispensable in adult mice. <i>Glia</i> , 2010, 58, 1066-1073.	4.9	43
43	Generation of a mouse line expressing Cre recombinase in glycinergic interneurons. <i>Genesis</i> , 2010, 48, 437-445.	1.6	19
44	PH α Domain-driven targeting of collybistin but not Cdc42 activation is required for synaptic gephyrin clustering. <i>European Journal of Neuroscience</i> , 2010, 31, 1173-1184.	2.6	60
45	Development of synaptic inhibition in glycine transporter 2 deficient mice. <i>Molecular and Cellular Neurosciences</i> , 2010, 44, 342-352.	2.2	23
46	Collybistin is required for both the formation and maintenance of GABAergic postsynapses in the hippocampus. <i>Molecular and Cellular Neurosciences</i> , 2008, 39, 161-169.	2.2	66
47	Knock-In Mice Lacking the PDZ-Ligand Motif of mGluR7a Show Impaired PKC-Dependent Autoinhibition of Glutamate Release, Spatial Working Memory Deficits, and Increased Susceptibility to Pentylentetrazol. <i>Journal of Neuroscience</i> , 2008, 28, 8604-8614.	3.6	48
48	Glycine Transporter Dimers. <i>Journal of Biological Chemistry</i> , 2008, 283, 10978-10991.	3.4	56
49	The C-terminal PDZ-ligand motif of the neuronal glycine transporter GlyT2 is required for efficient synaptic localization. <i>Molecular and Cellular Neurosciences</i> , 2007, 36, 369-380.	2.2	31
50	Impaired GABAergic transmission and altered hippocampal synaptic plasticity in collybistin-deficient mice. <i>EMBO Journal</i> , 2007, 26, 3888-3899.	7.8	166
51	Mutations within the human GLYT2 (SLC6A5) gene associated with hyperekplexia. <i>Biochemical and Biophysical Research Communications</i> , 2006, 348, 400-405.	2.1	67
52	Glycine transporters: essential regulators of synaptic transmission. <i>Biochemical Society Transactions</i> , 2006, 34, 55-58.	3.4	112
53	N-Cadherin Transsynaptically Regulates Short-Term Plasticity at Glutamatergic Synapses in Embryonic Stem Cell-Derived Neurons. <i>Journal of Neuroscience</i> , 2006, 26, 6968-6978.	3.6	106
54	Lessons from the Knocked-Out Glycine Transporters. , 2006, , 457-483.		29

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55	Glycine transporters: essential regulators of neurotransmission. Trends in Biochemical Sciences, 2005, 30, 325-333.	7.5	310
56	Inactivation of the Glycine Transporter 1 Gene Discloses Vital Role of Glial Glycine Uptake in Glycinergic Inhibition. Neuron, 2004, 41, 675.	8.1	0
57	Inactivation of the Glycine Transporter 1 Gene Discloses Vital Role of Glial Glycine Uptake in Glycinergic Inhibition. Neuron, 2003, 40, 785-796.	8.1	298
58	Deletion of the Mouse Glycine Transporter 2 Results in a Hyperekplexia Phenotype and Postnatal Lethality. Neuron, 2003, 40, 797-806.	8.1	289
59	EphrinB Phosphorylation and Reverse Signaling. Molecular Cell, 2002, 9, 725-737.	9.7	274
60	Semaphorin4F interacts with the synapse-associated protein SAP90/PSD-95. Journal of Neurochemistry, 2001, 78, 482-489.	3.9	38
61	The Adenomatous Polyposis Coli-protein (APC) interacts with the protein tyrosine phosphatase PTP-BL via an alternatively spliced PDZ domain. Oncogene, 2000, 19, 3894-3901.	5.9	75
62	Glycine transporter 1 modulates both, inhibitory and excitatory neurotransmission. , 0, 2009, .		0