# Volker Eulenburg

List of Publications by Year
in descending order

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| 62 | 3,340 | 186265 28 | 149698 56 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 63 | 63 | 63 | 4510 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Glycine transporters: essential regulators of neurotransmission. Trends in Biochemical Sciences, 2005, 30, 325-333. | 7.5 | 310 |
| 2 | 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 |
| 3 | Deletion of the Mouse Glycine Transporter 2 Results in a Hyperekplexia Phenotype and Postnatal Lethality. Neuron, 2003, 40, 797-806. | 8.1 | 289 |
| 4 | EphrinB Phosphorylation and Reverse Signaling. Molecular Cell, 2002, 9, 725-737. | 9.7 | 274 |
| 5 | KLB is associated with alcohol drinking, and its gene product Î²-Klotho is necessary for FGF21 regulation of alcohol preference. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14372-14377. | 7.1 | 208 |
| 6 | Impaired GABAergic transmission and altered hippocampal synaptic plasticity in collybistin-deficient mice. EMBO Journal, 2007, 26, 3888-3899. | 7.8 | 166 |
| 7 | Neurotransmitter transporters expressed in glial cells as regulators of synapse function. Brain Research Reviews, 2010, 63, 103-112. | 9.0 | 156 |
| 8 | Re-evaluation of neuronal P2X7 expression using novel mouse models and a P2X7-specific nanobody. ELife, 2018, 7, . | 6.0 | 128 |
| 9 | Glycine transporters: essential regulators of synaptic transmission. Biochemical Society Transactions, 2006, 34, 55-58. | 3.4 | 112 |
| 10 | N-Cadherin Transsynaptically Regulates Short-Term Plasticity at Glutamatergic Synapses in Embryonic Stem Cell-Derived Neurons. Journal of Neuroscience, 2006, 26, 6968-6978. | 3.6 | 106 |
| 11 | 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 |
| 12 | Paradoxical antidepressant effects of alcohol are related to acid sphingomyelinase and its control of sphingolipid homeostasis. Acta Neuropathologica, 2017, 133, 463-483. | 7.7 | 68 |
| 13 | Mutations within the human GLYT2 (SLC6A5) gene associated with hyperekplexia. Biochemical and Biophysical Research Communications, 2006, 348, 400-405. | 2.1 | 67 |
| 14 | Collybistin is required for both the formation and maintenance of GABAergic postsynapses in the hippocampus. Molecular and Cellular Neurosciences, 2008, 39, 161-169. | 2.2 | 66 |
| 15 | PHâ€Domainâ€driven targeting of collybistin but not Cdc42 activation is required for synaptic gephyrin clustering. European Journal of Neuroscience, 2010, 31, 1173-1184. | 2.6 | 60 |
| 16 | Glycine Transporter Dimers. Journal of Biological Chemistry, 2008, 283, 10978-10991. | 3.4 | 56 |
| 17 | Lidocaine Metabolites Inhibit Glycine Transporter 1. Anesthesiology, 2012, 116, 147-158. | 2.5 | 54 |
| 18 | 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 Pentylenetetrazol. Journal of Neuroscience, 2008, 28, 8604-8614. | 3.6 | 48 |

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|---|---|---|---|
| 19 | Glutamate residue 90 in the predicted transmembrane domain 2 is crucial for cation flux through channelrhodopsin 2. Biochemical and Biophysical Research Communications, 2011, 410, 737-743. | 2.1 | 46 |
| 20 | Glial glycine transporter 1 function is essential for early postnatal survival but dispensable in adult mice. Glia, 2010, 58, 1066-1073. | 4.9 | 43 |
| 21 | EFhd2/Swiprosin-1 is a common genetic determinator for sensation-seeking/low anxiety and alcohol addiction. Molecular Psychiatry, 2018, 23, 1303-1319. | 7.9 | 40 |
| 22 | The lidocaine metabolite N-ethylglycine has antinociceptive effects in experimental inflammatory and neuropathic pain. Pain, 2015, 156, 1647-1659. | 4.2 | 39 |
| 23 | Semaphorin4F interacts with the synapse-associated protein SAP90/PSD-95. Journal of Neurochemistry, 2001, 78, 482-489. | 3.9 | 38 |
| 24 | Loss of Glycine Transporter 1 Causes a Subtype of Glycine Encephalopathy with Arthrogryposis and Mildly Elevated Cerebrospinal Fluid Glycine. American Journal of Human Genetics, 2016, 99, 1172-1180. | 6.2 | 35 |
| 25 | Genetic ablation of VIAAT in glycinergic neurons causes a severe respiratory phenotype and perinatal death. Brain Structure and Function, 2015, 220, 2835-2849. | 2.3 | 32 |
| 26 | The C-terminal PDZ-ligand motif of the neuronal glycine transporter GlyT2 is required for efficient synaptic localization. Molecular and Cellular Neurosciences, 2007, 36, 369-380. | 2.2 | 31 |
| 27 | Prenatal androgen receptor activation determines adult alcohol and water drinking in a sexâ€specific way. Addiction Biology, 2018, 23, 904-920. | 2.6 | 30 |
| 28 | A Transgenic Mouse Line Expressing the Red Fluorescent Protein tdTomato in GABAergic Neurons. PLoS ONE, 2015, 10, e0129934. | 2.5 | 30 |
| 29 | Lessons from the Knocked-Out Glycine Transporters. , 2006, , 457-483. | | 29 |
| 30 | Long-term Application of Glycine Transporter Inhibitors Acts Antineuropathic and Modulates Spinal N-methyl-<scp>d</scp>-aspartate Receptor Subunit NR-1 Expression in Rats. Anesthesiology, 2014, 121, 160-169. | 2.5 | 28 |
| 31 | Inactivation of the Mouse L-Proline Transporter PROT Alters Glutamatergic Synapse Biochemistry and Perturbs Behaviors Required to Respond to Environmental Changes. Frontiers in Molecular Neuroscience, 2018, 11, 279. | 2.9 | 26 |
| 32 | Activin Controls Ethanol Potentiation of Inhibitory Synaptic Transmission Through GABAA Receptors and Concomitant Behavioral Sedation. Neuropsychopharmacology, 2016, 41, 2024-2033. | 5.4 | 25 |
| 33 | Development of synaptic inhibition in glycine transporter 2 deficient mice. Molecular and Cellular Neurosciences, 2010, 44, 342-352. | 2.2 | 23 |
| 34 | GABA-Glycine Cotransmitting Neurons in the Ventrolateral Medulla: Development and Functional Relevance for Breathing. Frontiers in Cellular Neuroscience, 2019, 13, 517. | 3.7 | 21 |
| 35 | Neutral sphingomyelinase mediates the co-morbidity trias of alcohol abuse, major depression and bone defects. Molecular Psychiatry, 2021, 26, 7403-7416. | 7.9 | 20 |
| 36 | Generation of a mouse line expressing Cre recombinase in glycinergic interneurons. Genesis, 2010, 48, 437-445. | 1.6 | 19 |

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|---|---|---|---|
| 37 | Conditional deletion of Cadherin 13 perturbs Golgi cells and disrupts social and cognitive behaviors. Genes, Brain and Behavior, 2018, 17, e12466. | 2.2 | 18 |
| 38 | Three-Step Test System for the Identification of Novel GABAA Receptor Modulating Food Plants. Plant Foods for Human Nutrition, 2016, 71, 355-360. | 3.2 | 17 |
| 39 | The GlyT1 Inhibitor Bitopertin Ameliorates Allodynia and Hyperalgesia in Animal Models of Neuropathic and Inflammatory Pain. Frontiers in Molecular Neuroscience, 2018, 10, 438. | 2.9 | 17 |
| 40 | Enhanced Alcohol Preference and Anxiolytic Alcohol Effects in Niemann-Pick Disease Model in Mice. Frontiers in Neurology, 2019, 10, 731. | 2.4 | 17 |
| 41 | Photosensitizer-loaded hydrogels for photodynamic inactivation of multirestistant bacteria in wounds. RSC Advances, 2021, 11, 7600-7609. | 3.6 | 15 |
| 42 | Glycine transporter GlyT1, but not GlyT2, is expressed in rat dorsal root ganglionâ€"Possible implications for neuropathic pain. Neuroscience Letters, 2015, 600, 213-219. | 2.1 | 14 |
| 43 | GlyT1 determines the glycinergic phenotype of amacrine cells in the mouse retina. Brain Structure and Function, 2018, 223, 3251-3266. | 2.3 | 14 |
| 44 | A Retroelement Modifies Pre-mRNA Splicing. Journal of Biological Chemistry, 2012, 287, 31185-31194. | 3.4 | 13 |
| 45 | Synergistic Control of Transmitter Turnover at Glycinergic Synapses by GlyT1, GlyT2, and ASC-1. International Journal of Molecular Sciences, 2022, 23, 2561. | 4.1 | 13 |
| 46 | Identification of eugenol as the major determinant of GABAA-receptor activation by aqueous Syzygium aromaticum L. (clove buds) extract. Journal of Functional Foods, 2017, 37, 641-649. | 3.4 | 11 |
| 47 | Inspiratory Off-Switch Mediated by Optogenetic Activation of Inhibitory Neurons in the preBÃ¶tzinger Complex In Vivo. International Journal of Molecular Sciences, 2021, 22, 2019. | 4.1 | 11 |
| 48 | The Cortical Neuroimmune Regulator TANK Affects Emotional Processing and Enhances Alcohol Drinking: A Translational Study. Cerebral Cortex, 2019, 29, 1736-1751. | 2.9 | 10 |
| 49 | Photodynamic Inactivation of SARS-CoV-2 Infectivity and Antiviral Treatment Effects In Vitro. Viruses, 2022, 14, 1301. | 3.3 | 10 |
| 50 | Adult alcohol drinking and emotional tone are mediated by neutral sphingomyelinase during development in males. Cerebral Cortex, 2023, 33, 844-864. | 2.9 | 9 |
| 51 | Performance of scientific cameras with different sensor types in measuring dynamic processes in fluorescence microscopy. Microscopy Research and Technique, 2013, 76, 835-843. | 2.2 | 8 |
| 52 | Transport activities and expression patterns of glycine transporters 1 and 2 in the developing murine brain stem and spinal cord. Biochemical and Biophysical Research Communications, 2012, 423, 661-666. | 2.1 | 7 |
| 53 | Deficit in acoustic signalâ€inâ€noise detection in glycine receptor Î±3 subunit knockout mice. European Journal of Neuroscience, 2017, 45, 581-586. | 2.6 | 7 |
| 54 | GlyT1 encephalopathy: Characterization of presumably disease causing GlyT1 mutations. Neurochemistry International, 2020, 139, 104813. | 3.8 | 7 |

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|---|---|---|---|
| 55 | The Meta-Substituted Isomer of TMPyP Enables More Effective Photodynamic Bacterial Inactivation than Para-TMPyP In Vitro. Microorganisms, 2022, 10, 858. | 3.6 | 6 |
| 56 | S.28.01 Glycine transporters: essential regulators of synaptic transmission. European Neuropsychopharmacology, 2011, 21, S230. | 0.7 | 4 |
| 57 | Modulation of Glycinergic Neurotransmission may Contribute to the Analgesic Effects of Propacetamol. Biomolecules, 2021, 11, 493. | 4.0 | 4 |
| 58 | Nociception in the Glycine Receptor Deficient Mutant Mouse Spastic. Frontiers in Molecular Neuroscience, 2022, 15, 832490. | 2.9 | 3 |
| 59 | Evaluation of a Luminometric Cell Counting System in Context of Antimicrobial Photodynamic Inactivation. Microorganisms, 2022, 10, 950. | 3.6 | 3 |
| 60 | Lidocaine Metabolites Inhibit Glycine Transporter 1: A Novel Mechanism for the Analgesic Action of Systemic Lidocaine?: Erratum. Anesthesiology, 2012, 116, 1404-1404. | 2.5 | 2 |
| 61 | Inactivation of the Glycine Transporter 1 Gene Discloses Vital Role of Glial Glycine Uptake in Glycinergic Inhibition. Neuron, 2004, 41, 675. | 8.1 | 0 |
| 62 | Glycine transporter 1 modulates both, inhibitory and excitatory neurotransmission. , 0, 2009, . | | 0 |