# Douglas E Vetter

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 42 papers | 3,307 citations | 257450 24 h-index | 302126 39 g-index |
| 42 all docs | 42 docs citations | 42 times ranked | 1895 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Zika virus infection causes widespread damage to the inner ear. Hearing Research, 2020, 395, 108000. | 2.0 | 11 |
| 2 | Deletion of nicotinic acetylcholine receptor alpha9 in mice resulted in altered bone structure. Bone, 2019, 120, 285-296. | 2.9 | 11 |
| 3 | Corticotropin Releasing Factor Signaling in the Mammalian Cochlea: An Integrative Niche for Cochlear Homeostatic Balance Against Noise. , 2018, , 31-60. | | 3 |
| 4 | Inhibition of Î±9Î±10 nicotinic acetylcholine receptors prevents chemotherapy-induced neuropathic pain. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1825-E1832. | 7.1 | 135 |
| 5 | Nicotinic Acetylcholine Receptor Î±9 and Î±10 Subunits Are Expressed in the Brain of Mice. Frontiers in Cellular Neuroscience, 2017, 11, 282. | 3.7 | 27 |
| 6 | The Mammalian Olivocochlear Systemâ€"A Legacy of Non-cerebellar Research in the Mugnaini Lab. Cerebellum, 2015, 14, 557-569. | 2.5 | 1 |
| 7 | Cellular signaling protective against noise-induced hearing loss â€“ A role for novel intrinsic cochlear signaling involving corticotropin-releasing factor?. Biochemical Pharmacology, 2015, 97, 1-15. | 4.4 | 10 |
| 8 | The Precise Temporal Pattern of Prehearing Spontaneous Activity Is Necessary for Tonotopic Map Refinement. Neuron, 2014, 82, 822-835. | 8.1 | 198 |
| 9 | Cholinergic efferent synaptic transmission regulates the maturation of auditory hair cell ribbon synapses. Open Biology, 2013, 3, 130163. | 3.6 | 56 |
| 10 | Contralateral-noise effects on cochlear responses in anesthetized mice are dominated by feedback from an unknown pathway. Journal of Neurophysiology, 2012, 108, 491-500. | 1.8 | 16 |
| 11 | The cochlea as an independent neuroendocrine organ: Expression and possible roles of a local hypothalamicâ€"pituitaryâ€"adrenal axis-equivalent signaling system. Hearing Research, 2012, 288, 3-18. | 2.0 | 19 |
| 12 | The Cochlear CRF Signaling Systems and their Mechanisms of Action in Modulating Cochlear Sensitivity and Protection Against Trauma. Molecular Neurobiology, 2011, 44, 383-406. | 4.0 | 19 |
| 13 | The Mouse Cochlea Expresses a Local Hypothalamic-Pituitary-Adrenal Equivalent Signaling System and Requires Corticotropin-Releasing Factor Receptor 1 to Establish Normal Hair Cell Innervation and Cochlear Sensitivity. Journal of Neuroscience, 2011, 31, 1267-1278. | 3.6 | 35 |
| 14 | A corticotropin-releasing factor system expressed in the cochlea modulates hearing sensitivity and protects against noise-induced hearing loss. Neurobiology of Disease, 2010, 38, 246-258. | 4.4 | 27 |
| 15 | Corticotropinâ€releasing factorâ€2 activation prevents gentamicinâ€induced oxidative stress in cells derived from the inner ear. Journal of Neuroscience Research, 2010, 88, 2976-2990. | 2.9 | 12 |
| 16 | Muscarinic Signaling in the Cochlea: Presynaptic and Postsynaptic Effects on Efferent Feedback and Afferent Excitability. Journal of Neuroscience, 2010, 30, 6751-6762. | 3.6 | 27 |
| 17 | Lack of nAChR Activity Depresses Cochlear Maturation and Up-Regulates GABA System Components: Temporal Profiling of Gene Expression in Î±9 Null Mice. PLoS ONE, 2010, 5, e9058. | 2.5 | 19 |
| 18 | A Point Mutation in the Hair Cell Nicotinic Cholinergic Receptor Prolongs Cochlear Inhibition and Enhances Noise Protection. PLoS Biology, 2009, 7, e1000018. | 5.6 | 109 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Activity of nAChRs containing Î±9 subunits modulates synapse stabilization via bidirectional signaling programs. Developmental Neurobiology, 2009, 69, 931-949. | 3.0 | 31 |
| 20 | Olivocochlear Neuron Central Anatomy Is Normal in Î±9 Knockout Mice. JARO - Journal of the Association for Research in Otolaryngology, 2009, 10, 64-75. | 1.8 | 15 |
| 21 | Constitutive Expression of the Î±10 Nicotinic Acetylcholine Receptor Subunit Fails to Maintain Cholinergic Responses in Inner Hair Cells After the Onset of Hearing. JARO - Journal of the Association for Research in Otolaryngology, 2009, 10, 397-406. | 1.8 | 8 |
| 22 | SK2 channels are required for function and long-term survival of efferent synapses on mammalian outer hair cells. Molecular and Cellular Neurosciences, 2009, 40, 39-49. | 2.2 | 42 |
| 23 | Multiplexed Isobaric Tagging Protocols for Quantitative Mass Spectrometry Approaches to Auditory Research. Methods in Molecular Biology, 2009, 493, 345-366. | 0.9 | 6 |
| 24 | The Î±10 nicotinic acetylcholine receptor subunit is required for normal synaptic function and integrity of the olivocochlear system. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20594-20599. | 7.1 | 121 |
| 25 | A Novel Effect of Cochlear Efferents: In Vivo Response Enhancement Does Not Require Î±9 Cholinergic Receptors. Journal of Neurophysiology, 2007, 97, 3269-3278. | 1.8 | 41 |
| 26 | Central role of Î±9 acetylcholine receptor in coordinating keratinocyte adhesion and motility at the initiation of epithelialization. Experimental Cell Research, 2007, 313, 3542-3555. | 2.6 | 67 |
| 27 | Mouse outer hair cells lacking the Î±9 ACh receptor are motile. Developmental Brain Research, 2004, 148, 19-25. | 1.7 | 12 |
| 28 | Developmental Regulation of Nicotinic Synapses on Cochlear Inner Hair Cells. Journal of Neuroscience, 2004, 24, 7814-7820. | 3.6 | 156 |
| 29 | Synergistic control of keratinocyte adhesion through muscarinic and nicotinic acetylcholine receptor subtypes. Experimental Cell Research, 2004, 294, 534-549. | 2.6 | 73 |
| 30 | Central role of Î±7 nicotinic receptor in differentiation of the stratified squamous epithelium. Journal of Cell Biology, 2002, 159, 325-336. | 5.2 | 136 |
| 31 | The Î±9Î±10 nicotinic acetylcholine receptor is permeable to and is modulated by divalent cations. Hearing Research, 2002, 167, 122-135. | 2.0 | 103 |
| 32 | Behavioral investigation of some possible effects of the central olivocochlear pathways in transgenic mice. Hearing Research, 2002, 171, 142-157. | 2.0 | 40 |
| 33 | Urocortin-deficient mice show hearing impairment and increased anxiety-like behavior. Nature Genetics, 2002, 31, 363-369. | 21.4 | 163 |
| 34 | Behavioral assessments of auditory sensitivity in transgenic mice. Journal of Neuroscience Methods, 2000, 97, 59-67. | 2.5 | 23 |
| 35 | High calcium permeability and calcium block of the Î±9 nicotinic acetylcholine receptor. Hearing Research, 2000, 141, 117-128. | 2.0 | 92 |
| 36 | Block of the Î±9 nicotinic receptor by ototoxic aminoglycosides. Neuropharmacology, 2000, 39, 2525-2532. | 4.1 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Role of Î±9 Nicotinic ACh Receptor Subunits in the Development and Function of Cochlear Efferent Innervation. Neuron, 1999, 23, 93-103. | 8.1 | 267 |
| 38 | Î±9: An acetylcholine receptor with novel pharmacological properties expressed in rat cochlear hair cells. Cell, 1994, 79, 705-715. | 28.9 | 820 |
| 39 | Input from the inferior colliculus to medial olivocochlear neurons in the rat: A double label study with PHA-L and cholera toxin. Hearing Research, 1993, 70, 173-186. | 2.0 | 128 |
| 40 | Choline Acetyltransferase in the Rat Cochlear Nuclei: Immunolocalization with a Monoclonal Antibody. , 1993, , 279-290. | | 21 |
| 41 | Chemically distinct rat olivocochlear neurons. Synapse, 1991, 7, 21-43. | 1.2 | 179 |
| 42 | Cell-cell interactions in growing blood capillaries in the cerebellum of chick embryos. International Journal of Developmental Neuroscience, 1985, 3, 450-450. | 1.6 | 0 |