

# Douglas E Vetter

## List of Publications by Year in descending order

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42  
papers

3,307  
citations

257450

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302126

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42  
docs citations

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times ranked

1895  
citing authors

#	ARTICLE	IF	CITATIONS
1	Î±9: An acetylcholine receptor with novel pharmacological properties expressed in rat cochlear hair cells. <i>Cell</i> , 1994, 79, 705-715.	28.9	820
2	Role of Î±9 Nicotinic ACh Receptor Subunits in the Development and Function of Cochlear Efferent Innervation. <i>Neuron</i> , 1999, 23, 93-103.	8.1	267
3	The Precise Temporal Pattern of Prehearing Spontaneous Activity Is Necessary for Tonotopic Map Refinement. <i>Neuron</i> , 2014, 82, 822-835.	8.1	198
4	Chemically distinct rat olivocochlear neurons. <i>Synapse</i> , 1991, 7, 21-43.	1.2	179
5	Urocortin-deficient mice show hearing impairment and increased anxiety-like behavior. <i>Nature Genetics</i> , 2002, 31, 363-369.	21.4	163
6	Developmental Regulation of Nicotinic Synapses on Cochlear Inner Hair Cells. <i>Journal of Neuroscience</i> , 2004, 24, 7814-7820.	3.6	156
7	Central role of Î±7 nicotinic receptor in differentiation of the stratified squamous epithelium. <i>Journal of Cell Biology</i> , 2002, 159, 325-336.	5.2	136
8	Inhibition of Î±9Î±10 nicotinic acetylcholine receptors prevents chemotherapy-induced neuropathic pain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1825-E1832.	7.1	135
9	Input from the inferior colliculus to medial olivocochlear neurons in the rat: A double label study with PHA-L and cholera toxin. <i>Hearing Research</i> , 1993, 70, 173-186.	2.0	128
10	The Î±10 nicotinic acetylcholine receptor subunit is required for normal synaptic function and integrity of the olivocochlear system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 20594-20599.	7.1	121
11	A Point Mutation in the Hair Cell Nicotinic Cholinergic Receptor Prolongs Cochlear Inhibition and Enhances Noise Protection. <i>PLoS Biology</i> , 2009, 7, e1000018.	5.6	109
12	The Î±9Î±10 nicotinic acetylcholine receptor is permeable to and is modulated by divalent cations. <i>Hearing Research</i> , 2002, 167, 122-135.	2.0	103
13	High calcium permeability and calcium block of the Î±9 nicotinic acetylcholine receptor. <i>Hearing Research</i> , 2000, 141, 117-128.	2.0	92
14	Synergistic control of keratinocyte adhesion through muscarinic and nicotinic acetylcholine receptor subtypes. <i>Experimental Cell Research</i> , 2004, 294, 534-549.	2.6	73
15	Central role of Î±9 acetylcholine receptor in coordinating keratinocyte adhesion and motility at the initiation of epithelialization. <i>Experimental Cell Research</i> , 2007, 313, 3542-3555.	2.6	67
16	Cholinergic efferent synaptic transmission regulates the maturation of auditory hair cell ribbon synapses. <i>Open Biology</i> , 2013, 3, 130163.	3.6	56
17	SK2 channels are required for function and long-term survival of efferent synapses on mammalian outer hair cells. <i>Molecular and Cellular Neurosciences</i> , 2009, 40, 39-49.	2.2	42
18	A Novel Effect of Cochlear Efferents: In Vivo Response Enhancement Does Not Require Î±9 Cholinergic Receptors. <i>Journal of Neurophysiology</i> , 2007, 97, 3269-3278.	1.8	41

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19	Behavioral investigation of some possible effects of the central olivocochlear pathways in transgenic mice. <i>Hearing Research</i> , 2002, 171, 142-157.	2.0	40
20	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. <i>Journal of Neuroscience</i> , 2011, 31, 1267-1278.	3.6	35
21	Activity of nAChRs containing $\alpha 9$ subunits modulates synapse stabilization via bidirectional signaling programs. <i>Developmental Neurobiology</i> , 2009, 69, 931-949.	3.0	31
22	Block of the $\alpha 9$ nicotinic receptor by ototoxic aminoglycosides. <i>Neuropharmacology</i> , 2000, 39, 2525-2532.	4.1	28
23	A corticotropin-releasing factor system expressed in the cochlea modulates hearing sensitivity and protects against noise-induced hearing loss. <i>Neurobiology of Disease</i> , 2010, 38, 246-258.	4.4	27
24	Muscarinic Signaling in the Cochlea: Presynaptic and Postsynaptic Effects on Efferent Feedback and Afferent Excitability. <i>Journal of Neuroscience</i> , 2010, 30, 6751-6762.	3.6	27
25	Nicotinic Acetylcholine Receptor $\alpha 9$ and $\alpha 10$ Subunits Are Expressed in the Brain of Mice. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 282.	3.7	27
26	Behavioral assessments of auditory sensitivity in transgenic mice. <i>Journal of Neuroscience Methods</i> , 2000, 97, 59-67.	2.5	23
27	Choline Acetyltransferase in the Rat Cochlear Nuclei: Immunolocalization with a Monoclonal Antibody. , 1993, , 279-290.		21
28	The Cochlear CRF Signaling Systems and their Mechanisms of Action in Modulating Cochlear Sensitivity and Protection Against Trauma. <i>Molecular Neurobiology</i> , 2011, 44, 383-406.	4.0	19
29	The cochlea as an independent neuroendocrine organ: Expression and possible roles of a local hypothalamic-pituitary-adrenal axis-equivalent signaling system. <i>Hearing Research</i> , 2012, 288, 3-18.	2.0	19
30	Lack of nAChR Activity Depresses Cochlear Maturation and Up-Regulates GABA System Components: Temporal Profiling of Gene Expression in $\alpha 9$ Null Mice. <i>PLoS ONE</i> , 2010, 5, e9058.	2.5	19
31	Contralateral-noise effects on cochlear responses in anesthetized mice are dominated by feedback from an unknown pathway. <i>Journal of Neurophysiology</i> , 2012, 108, 491-500.	1.8	16
32	Olivocochlear Neuron Central Anatomy Is Normal in $\alpha 9$ Knockout Mice. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2009, 10, 64-75.	1.8	15
33	Mouse outer hair cells lacking the $\alpha 9$ ACh receptor are motile. <i>Developmental Brain Research</i> , 2004, 148, 19-25.	1.7	12
34	Corticotropin-releasing factor $\alpha 2$ activation prevents gentamicin-induced oxidative stress in cells derived from the inner ear. <i>Journal of Neuroscience Research</i> , 2010, 88, 2976-2990.	2.9	12
35	Deletion of nicotinic acetylcholine receptor $\alpha 9$ in mice resulted in altered bone structure. <i>Bone</i> , 2019, 120, 285-296.	2.9	11
36	Zika virus infection causes widespread damage to the inner ear. <i>Hearing Research</i> , 2020, 395, 108000.	2.0	11

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37	Cellular signaling protective against noise-induced hearing loss â€” A role for novel intrinsic cochlear signaling involving corticotropin-releasing factor?. <i>Biochemical Pharmacology</i> , 2015, 97, 1-15.	4.4	10
38	Constitutive Expression of the $\alpha 10$ Nicotinic Acetylcholine Receptor Subunit Fails to Maintain Cholinergic Responses in Inner Hair Cells After the Onset of Hearing. <i>JARO - Journal of the Association for Research in Otolaryngology</i> , 2009, 10, 397-406.	1.8	8
39	Multiplexed Isobaric Tagging Protocols for Quantitative Mass Spectrometry Approaches to Auditory Research. <i>Methods in Molecular Biology</i> , 2009, 493, 345-366.	0.9	6
40	Corticotropin Releasing Factor Signaling in the Mammalian Cochlea: An Integrative Niche for Cochlear Homeostatic Balance Against Noise. , 2018, , 31-60.		3
41	The Mammalian Olivocochlear Systemâ€”A Legacy of Non-cerebellar Research in the Mugnaini Lab. <i>Cerebellum</i> , 2015, 14, 557-569.	2.5	1
42	Cell-cell interactions in growing blood capillaries in the cerebellum of chick embryos. <i>International Journal of Developmental Neuroscience</i> , 1985, 3, 450-450.	1.6	0