

Wolfgang Kummer

List of Publications by Year in descending order

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162
papers

6,667
citations

61857

43
h-index

79541

73
g-index

163
all docs

163
docs citations

163
times ranked

6297
citing authors

#	ARTICLE	IF	CITATIONS
1	Hypoxia-Dependent Regulation of Nonphagocytic NADPH Oxidase Subunit NOX4 in the Pulmonary Vasculature. <i>Circulation Research</i> , 2007, 101, 258-267.	2.0	317
2	The sensory and sympathetic innervation of guinea-pig lung and trachea as studied by retrograde neuronal tracing and double-labelling immunohistochemistry. <i>Neuroscience</i> , 1992, 49, 715-737.	1.1	277
3	Cholinergic chemosensory cells in the trachea regulate breathing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 9478-9483.	3.3	233
4	Polyspecific Cation Transporters Mediate Luminal Release of Acetylcholine from Bronchial Epithelium. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2005, 33, 79-88.	1.4	201
5	TRPM5, a taste-signaling transient receptor potential ion-channel, is a ubiquitous signaling component in chemosensory cells. <i>BMC Neuroscience</i> , 2007, 8, 49.	0.8	198
6	The epithelial cholinergic system of the airways. <i>Histochemistry and Cell Biology</i> , 2008, 130, 219-34.	0.8	174
7	NOSIP, a novel modulator of endothelial nitric oxide synthase activity. <i>FASEB Journal</i> , 2001, 15, 79-89.	0.2	164
8	Essential role of complex II of the respiratory chain in hypoxia-induced ROS generation in the pulmonary vasculature. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003, 284, L710-L719.	1.3	148
9	Nitric oxide synthase in VIP-containing vasodilator nerve fibres in the Guinea-pig. <i>NeuroReport</i> , 1992, 3, 653.	0.6	145
10	Bitter triggers acetylcholine release from polymodal urethral chemosensory cells and bladder reflexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 8287-8292.	3.3	134
11	Suitability of muscarinic acetylcholine receptor antibodies for immunohistochemistry evaluated on tissue sections of receptor gene-deficient mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2009, 379, 389-395.	1.4	131
12	Acetylcholine and Molecular Components of its Synthesis and Release Machinery in the Urothelium. <i>European Urology</i> , 2007, 51, 1042-1053.	0.9	129
13	Expression and distribution of cholinergic receptors in the human urothelium. <i>Life Sciences</i> , 2007, 80, 2303-2307.	2.0	125
14	Coexpression of $\hat{1}\pm 9$ and $\hat{1}\pm 10$ nicotinic acetylcholine receptors in rat dorsal root ganglion neurons. <i>Neuroscience</i> , 2002, 115, 1-5.	1.1	108
15	Role of Muscarinic Receptor Subtypes in the Constriction of Peripheral Airways: Studies on Receptor-Deficient Mice. <i>Molecular Pharmacology</i> , 2003, 64, 1444-1451.	1.0	104
16	Nicotinic acetylcholine receptors in rat and human placenta. <i>Placenta</i> , 2005, 26, 735-746.	0.7	100
17	Chemical coding and chemosensory properties of cholinergic brush cells in the mouse gastrointestinal and biliary tract. <i>Frontiers in Physiology</i> , 2015, 6, 87.	1.3	91
18	Catecholamines and catecholamine-synthesizing enzymes in guinea-pig sensory ganglia. <i>Cell and Tissue Research</i> , 1990, 261, 595-606.	1.5	87

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19	Immunohistochemical demonstration of four subunits of neutrophil NAD(P)H oxidase in type I cells of carotid body. <i>Journal of Applied Physiology</i> , 1995, 78, 1904-1909.	1.2	87
20	Expression of muscarinic and nicotinic acetylcholine receptors in the mouse urothelium. <i>Life Sciences</i> , 2007, 80, 2308-2313.	2.0	86
21	Phosphocholine-Modified Macromolecules and Canonical Nicotinic Agonists Inhibit ATP-Induced IL-1 β Release. <i>Journal of Immunology</i> , 2015, 195, 2325-2334.	0.4	80
22	Cobalt and desferrioxamine reveal crucial members of the oxygen sensing pathway in HepG2 cells. <i>Kidney International</i> , 1997, 51, 483-491.	2.6	77
23	Cholinergic brush cells in the trachea mediate respiratory responses to quorum sensing molecules. <i>Life Sciences</i> , 2012, 91, 992-996.	2.0	75
24	Nicotinic acetylcholine receptor subtypes in nociceptive dorsal root ganglion neurons of the adult rat. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2004, 113, 32-42.	1.4	72
25	Mental Stress in Atopic Dermatitis – Neuronal Plasticity and the Cholinergic System Are Affected in Atopic Dermatitis and in Response to Acute Experimental Mental Stress in a Randomized Controlled Pilot Study. <i>PLoS ONE</i> , 2014, 9, e113552.	1.1	72
26	Role of acetylcholine and polyspecific cation transporters in serotonin-induced bronchoconstriction in the mouse. <i>Respiratory Research</i> , 2006, 7, 65.	1.4	68
27	Chemosensory Cell-Derived Acetylcholine Drives Tracheal Mucociliary Clearance in Response to Virulence-Associated Formyl Peptides. <i>Immunity</i> , 2020, 52, 683-699.e11.	6.6	63
28	Non-neuronal cholinergic airway epithelium biology. <i>Current Opinion in Pharmacology</i> , 2014, 16, 43-49.	1.7	62
29	Down-regulation of the non-neuronal acetylcholine synthesis and release machinery in acute allergic airway inflammation of rat and mouse. <i>Life Sciences</i> , 2007, 80, 2263-2269.	2.0	59
30	Immunostaining and Laser-Assisted Cell Picking for mRNA Analysis. <i>Laboratory Investigation</i> , 2000, 80, 327-333.	1.7	57
31	Carcinoid tumors of the thymus. An immunohistochemical study. <i>Cancer</i> , 1987, 60, 2465-2470.	2.0	56
32	Muscarinic receptor subtypes in cilia-driven transport and airway epithelial development. <i>European Respiratory Journal</i> , 2009, 33, 1113-1121.	3.1	54
33	Evidence for an esophageal origin of VIP-IR and NO synthase-IR nerves innervating the guinea pig trachealis: A retrograde neuronal tracing and immunohistochemical analysis. , 1998, 394, 326-334.		52
34	NADPH oxidase subunits and superoxide production in porcine pulmonary artery endothelial cells. <i>Histochemistry and Cell Biology</i> , 2000, 114, 29-37.	0.8	52
35	Cholinergic epithelial cell with chemosensory traits in murine thymic medulla. <i>Cell and Tissue Research</i> , 2014, 358, 737-748.	1.5	52
36	Cholinergic chemosensory cells in the auditory tube. <i>Histochemistry and Cell Biology</i> , 2012, 137, 483-497.	0.8	49

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37	AzoCholine Enables Optical Control of Alpha 7 Nicotinic Acetylcholine Receptors in Neural Networks. ACS Chemical Neuroscience, 2015, 6, 701-707.	1.7	49
38	“Tasting” the airway lining fluid. Histochemistry and Cell Biology, 2012, 138, 365-383.	0.8	48
39	Localization, regulation and functions of neurotransmitters and neuromodulators in cervical sympathetic ganglia. Microscopy Research and Technique, 1996, 35, 44-68.	1.2	47
40	Expression of the High-Affinity Choline Transporter, CHT1, in the Rat Trachea. American Journal of Respiratory Cell and Molecular Biology, 2003, 28, 473-477.	1.4	47
41	Pulmonary Vascular Innervation and Its Role in Responses to Hypoxia: Size Matters!. Proceedings of the American Thoracic Society, 2011, 8, 471-476.	3.5	47
42	Sensory Neurons Respond to Hypoxia with NO Production Associated with Mitochondria. Molecular and Cellular Neurosciences, 2002, 20, 307-322.	1.0	46
43	FRET-CLSM and double-labeling indirect immunofluorescence to detect close association of proteins in tissue sections. Laboratory Investigation, 2006, 86, 853-864.	1.7	45
44	Pivotal Advance: Up-regulation of acetylcholine synthesis and paracrine cholinergic signaling in intravascular transplant leukocytes during rejection of rat renal allografts. Journal of Leukocyte Biology, 2009, 86, 13-22.	1.5	45
45	C-Reactive Protein Stimulates Nicotinic Acetylcholine Receptors to Control ATP-Mediated Monocytic Inflammasome Activation. Frontiers in Immunology, 2018, 9, 1604.	2.2	45
46	Altered production of nitric oxide and reactive oxygen species in rat nodose ganglion neurons during acute hypoxia. Brain Research, 2003, 961, 1-9.	1.1	44
47	Nicotinic receptors on rat alveolar macrophages dampen ATP-induced increase in cytosolic calcium concentration. Respiratory Research, 2010, 11, 133.	1.4	44
48	Multilineage murine stem cells generate complex organoids to model distal lung development and disease. EMBO Journal, 2020, 39, e103476.	3.5	44
49	Innervation pattern of guinea pig pulmonary vasculature depends on vascular diameter. Journal of Applied Physiology, 1997, 82, 426-434.	1.2	43
50	Expression of the cholinergic gene locus in pulmonary arterial endothelial cells. Histochemistry and Cell Biology, 2000, 113, 379-387.	0.8	43
51	Multiple nicotinic acetylcholine receptor α -subunits are expressed in the arterial system of the rat. Histochemistry and Cell Biology, 2002, 118, 441-447.	0.8	43
52	Expression of Nicotinic Acetylcholine Receptors on Murine Alveolar Macrophages. Journal of Molecular Neuroscience, 2006, 30, 107-108.	1.1	43
53	The cholinergic system in rat testis is of non-neuronal origin. Reproduction, 2011, 142, 157-166.	1.1	42
54	Muscarinic acetylcholine receptor subtypes expressed by mouse bladder afferent neurons. Neuroscience, 2010, 168, 842-850.	1.1	41

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55	Ultrastructure of calcitonin gene-related peptide-and substance P-like immunoreactive nerve fibres in the carotid body and carotid sinus of the guinea pig. <i>Histochemistry</i> , 1989, 92, 433-439.	1.9	37
56	Neuronal pathways in the guinea-pig lumbar sympathetic ganglia as revealed by immunohistochemistry. <i>Histochemistry</i> , 1990, 93, 547-557.	1.9	37
57	Hypoxic upregulation of tyrosine hydroxylase gene expression is paralleled, but not induced, by increased generation of reactive oxygen species in PC12 cells. <i>FEBS Letters</i> , 1999, 457, 53-56.	1.3	36
58	Expression and localization of GPR91 and GPR99 in murine organs. <i>Cell and Tissue Research</i> , 2016, 364, 245-262.	1.5	36
59	Nicotinic receptor alpha7-subunits are coupled to the stimulation of nitric oxide synthase in rat dorsal root ganglion neurons. <i>Histochemistry and Cell Biology</i> , 2003, 120, 173-181.	0.8	35
60	Activation of the SPHK/S1P signalling pathway is coupled to muscarinic receptor-dependent regulation of peripheral airways. <i>Respiratory Research</i> , 2005, 6, 48.	1.4	35
61	Hypoxia induces production of nitric oxide and reactive oxygen species in glomus cells of rat carotid body. <i>Cell and Tissue Research</i> , 2006, 325, 3-11.	1.5	35
62	Reduced expression of nicotinic α subunits 3, 7, 9 and 10 in lesional and nonlesional atopic dermatitis skin but enhanced expression of α subunits 3 and 5 in mast cells. <i>British Journal of Dermatology</i> , 2008, 159, 847-857.	1.4	34
63	Serotonin Increases Cilia-Driven Particle Transport via an Acetylcholine-Independent Pathway in the Mouse Trachea. <i>PLoS ONE</i> , 2009, 4, e4938.	1.1	34
64	Immunohistochemical evidence for extrinsic and intrinsic opioid systems in the guinea pig superior cervical ganglion. <i>Anatomy and Embryology</i> , 1986, 174, 401-405.	1.5	33
65	Vagal paraganglia of the rat. <i>Journal of Electron Microscopy Technique</i> , 1989, 12, 343-355.	1.1	33
66	Rat arteries contain multiple nicotinic acetylcholine receptor α -subunits. <i>Life Sciences</i> , 2003, 72, 2095-2099.	2.0	33
67	Macrophages: a major source of cytochrome b558 in the rat carotid body. <i>Brain Research</i> , 2000, 852, 349-354.	1.1	32
68	Immunohistochemical detection of calcitonin gene-related peptide receptor (CGRPR) α 1 in the endothelium of human coronary artery and bronchial blood vessels. <i>Neuropeptides</i> , 2001, 35, 58-64.	0.9	32
69	Recent progress in revealing the biological and medical significance of the non-neuronal cholinergic system. <i>International Immunopharmacology</i> , 2015, 29, 1-7.	1.7	32
70	Expression of neuropeptide Y and its receptors Y1 and Y2 in the rat heart and its supplying autonomic and spinal sensory ganglia in experimentally induced diabetes. <i>Neuroscience</i> , 2008, 151, 1016-1028.	1.1	31
71	M2-Receptor Subtype Does Not Mediate Muscarine-Induced Increases in $[Ca^{2+}]_i$ in Nociceptive Neurons of Rat Dorsal Root Ganglia. <i>Journal of Neurophysiology</i> , 2000, 84, 1934-1941.	0.9	30
72	Neuropeptide Y Is Expressed by Rat Mononuclear Blood Leukocytes and Strongly Down-Regulated during Inflammation. <i>Journal of Immunology</i> , 2008, 181, 6906-6912.	0.4	30

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73	Ciliary Activity in the Oviduct of Cycling, Pregnant, and Muscarinic Receptor Knockout Mice. <i>Biology of Reproduction</i> , 2012, 86, 120.	1.2	29
74	Nitric oxide synthase in guinea pig sympathetic ganglia: Correlation with tyrosine hydroxylase and neuropeptides. <i>Histochemistry and Cell Biology</i> , 1995, 104, 21-28.	0.8	28
75	Transient expression of vanilloid receptor subtype 1 in rat cardiomyocytes during development. <i>Histochemistry and Cell Biology</i> , 2001, 116, 223-225.	0.8	28
76	Chemoreceptor A-fibres in the human carotid body contain tyrosine hydroxylase and neurofilament immunoreactivity. <i>Neuroscience</i> , 1992, 47, 713-725.	1.1	27
77	Nicotinic receptor mediated stimulation of NO-generation in neurons of rat thoracic dorsal root ganglia. <i>Neuroscience Letters</i> , 2004, 361, 32-35.	1.0	27
78	Cardiomyopathy in streptozotocin-induced diabetes involves intra-axonal accumulation of calcitonin gene-related peptide and altered expression of its receptor in rats. <i>Neuroscience</i> , 2005, 134, 51-58.	1.1	27
79	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.	1.8	27
80	Tissue distribution of neutral endopeptidase 24.11 (α -enkephalinase™) activity in guinea pig trachea. <i>Neuropeptides</i> , 1991, 18, 181-186.	0.9	26
81	Expression of the cholinergic gene locus in the rat placenta. <i>Histochemistry and Cell Biology</i> , 2004, 122, 121-30.	0.8	26
82	Coexpression and Spatial Association of Nicotinic Acetylcholine Receptor Subunits $\alpha 7$ and $\alpha 10$ in Rat Sympathetic Neurons. <i>Journal of Molecular Neuroscience</i> , 2006, 30, 15-16.	1.1	26
83	Cilia-driven particle and fluid transport over mucus-free mice tracheae. <i>Journal of Biomechanics</i> , 2013, 46, 593-598.	0.9	25
84	Chemosensory epithelial cells in the urethra: sentinels of the urinary tract. <i>Histochemistry and Cell Biology</i> , 2016, 146, 673-683.	0.8	25
85	Muscarinic M2-receptors in rat thoracic dorsal root ganglia. <i>Neuroscience Letters</i> , 1999, 266, 177-180.	1.0	24
86	Role of Acetylcholine and Muscarinic Receptors in Serotonin-Induced Bronchoconstriction in the Mouse. <i>Journal of Molecular Neuroscience</i> , 2006, 30, 67-68.	1.1	24
87	Presence of $\alpha 7$ nicotinic acetylcholine receptors on dorsal root ganglion neurons proved using knockout mice and selective α -neurotoxins in histochemistry. <i>Journal of Neurochemistry</i> , 2009, 109, 1087-1095.	2.1	24
88	An unbiased stereological method for efficiently quantifying the innervation of the heart and other organs based on total length estimations. <i>Journal of Applied Physiology</i> , 2010, 108, 1402-1409.	1.2	24
89	Muscarinic receptor-mediated bronchoconstriction is coupled to caveolae in murine airways. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010, 298, L626-L636.	1.3	24
90	TASK-1 potassium channel is not critically involved in mediating hypoxic pulmonary vasoconstriction of murine intra-pulmonary arteries. <i>PLoS ONE</i> , 2017, 12, e0174071.	1.1	24

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91	Luminal cholinergic signalling in airway lining fluid: a novel mechanism for activating chloride secretion via Ca ²⁺ -dependent Cl ⁻ and K ⁺ channels. <i>British Journal of Pharmacology</i> , 2012, 166, 1388-1402.	2.7	23
92	Caveolin-1 and -2 in airway epithelium: expression and in situ association as detected by FRET-CLSM. <i>Respiratory Research</i> , 2006, 7, 108.	1.4	22
93	Cholinergic urethral brush cells are widespread throughout placental mammals. <i>International Immunopharmacology</i> , 2015, 29, 51-56.	1.7	22
94	Evidence for Functional Atypical Nicotinic Receptors That Activate K ⁺ -Dependent Cl ⁻ Secretion in Mouse Tracheal Epithelium. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2012, 46, 106-114.	1.4	21
95	Suitability of Nicotinic Acetylcholine Receptor $\hat{1}\pm 7$ and Muscarinic Acetylcholine Receptor 3 Antibodies for Immune Detection. <i>Journal of Histochemistry and Cytochemistry</i> , 2015, 63, 329-339.	1.3	21
96	Cholinergic chemosensory cells of the thymic medulla express the bitter receptor Tas2r131. <i>International Immunopharmacology</i> , 2015, 29, 143-147.	1.7	21
97	Brush cells, the newly identified gatekeepers of the urinary tract. <i>Current Opinion in Urology</i> , 2017, 27, 85-92.	0.9	21
98	Heme oxygenase-2 in primary afferent neurons of the guinea-pig. <i>Histochemistry and Cell Biology</i> , 1996, 105, 453-458.	0.8	20
99	Expression of the high-affinity choline transporter CHT1 in epithelia. <i>Life Sciences</i> , 2003, 72, 2087-2090.	2.0	20
100	Down-regulation of vasoactive intestinal peptide and altered expression of its receptors in rat diabetic cardiomyopathy. <i>Cell and Tissue Research</i> , 2006, 323, 383-393.	1.5	20
101	Nociceptin and its receptor in guinea-pig sympathetic ganglia. <i>Neuroscience Letters</i> , 1997, 234, 35-38.	1.0	19
102	Rat cardiac neurons express the non-coding R-exon (exon 1) of the cholinergic gene locus. <i>NeuroReport</i> , 1998, 9, 2209-2212.	0.6	19
103	Three types of neurochemically defined autonomic fibres innervate the carotid baroreceptor and chemoreceptor regions in the guinea-pig. <i>Anatomy and Embryology</i> , 1990, 181, 477-489.	1.5	18
104	Stereological characterization of left ventricular cardiomyocytes, capillaries, and innervation in the nondiabetic, obese mouse. <i>Cardiovascular Pathology</i> , 2012, 21, 346-354.	0.7	18
105	Videomorphometric Analysis of Hypoxic Pulmonary Vasoconstriction of Intra-pulmonary Arteries Using Murine Precision Cut Lung Slices. <i>Journal of Visualized Experiments</i> , 2014, , e50970.	0.2	18
106	Nicotinic Acetylcholine Receptors Containing Subunits $\hat{1}\pm 3$ and $\hat{1}\pm 5$ in Rat Nociceptive Dorsal Root Ganglion Neurons. <i>Journal of Molecular Neuroscience</i> , 2006, 30, 55-56.	1.1	17
107	Caveolin-3 and eNOS colocalize and interact in ciliated airway epithelial cells in the rat. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 615-625.	1.2	17
108	Expression of nicotinic acetylcholine receptor subunit mRNA in mouse bladder afferent neurons. <i>Neuroscience</i> , 2013, 229, 27-35.	1.1	17

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109	Cellular distribution of oxygen sensor candidates?Oxidases, cytochromes, K ⁺ -channels?in the carotid body. <i>Microscopy Research and Technique</i> , 2002, 59, 234-242.	1.2	16
110	Sphingosine Kinase 1 Regulates Inflammation and Contributes to Acute Lung Injury in Pneumococcal Pneumonia via the Sphingosine-1-Phosphate Receptor 2. <i>Critical Care Medicine</i> , 2018, 46, e258-e267.	0.4	16
111	Cysteinyl leukotrienes and acetylcholine are biliary tuft cell cotransmitters. <i>Science Immunology</i> , 2022, 7, eabf6734.	5.6	16
112	Effect of catecholamine depletion and denervation on neuropeptide Y(NPY) and tyrosine-hydroxylase (TH) mRNA levels in rat sympathetic ganglia. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 1994, 102, 54-59.	0.6	15
113	Administration of keratinocyte growth factor (KGF) modulates the pulmonary expression of nicotinic acetylcholine receptor subunits $\alpha 7$, $\alpha 9$ and $\alpha 10$. <i>Life Sciences</i> , 2007, 80, 2290-2293.	2.0	15
114	Identification of cholinergic chemosensory cells in mouse tracheal and laryngeal glandular ducts. <i>International Immunopharmacology</i> , 2015, 29, 158-165.	1.7	15
115	Rat sensory neurons contain cytochrome b558 large subunit immunoreactivity. <i>NeuroReport</i> , 1999, 10, 2615-2617.	0.6	14
116	β -Nicotinamide Adenine Dinucleotide (β -NAD) Inhibits ATP-Dependent IL-1 β Release from Human Monocytic Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1126.	1.8	14
117	Cholinergic activation of the murine trachealis muscle via non-vesicular acetylcholine release involving low-affinity choline transporters. <i>International Immunopharmacology</i> , 2015, 29, 173-180.	1.7	13
118	<i>Bordetella pseudohinzii</i> targets cilia and impairs tracheal cilia-driven transport in naturally acquired infection in mice. <i>Scientific Reports</i> , 2018, 8, 5681.	1.6	13
119	Smooth muscle cells are the site of neurokinin-1 receptor localization in the arterial supply of the rat sciatic nerve. <i>Neuroscience Letters</i> , 1999, 259, 119-122.	1.0	12
120	A novel cholinergic epithelial cell with chemosensory traits in the murine conjunctiva. <i>International Immunopharmacology</i> , 2015, 29, 45-50.	1.7	12
121	The sympathetic nervous system: malignancy, disease, and novel functions. <i>Cell and Tissue Research</i> , 2018, 372, 163-170.	1.5	12
122	Hypobaric hypoxia affects endogenous levels of α -keto acids in murine heart ventricles. <i>Biochemical and Biophysical Research Communications</i> , 2006, 342, 935-939.	1.0	11
123	Does bladder outlet obstruction alter the non-neuronal cholinergic system of the human urothelium?. <i>Life Sciences</i> , 2012, 91, 1082-1086.	2.0	11
124	Non-neuronal acetylcholine release and its contribution to COPD pathology. <i>Drug Discovery Today Disease Mechanisms</i> , 2006, 3, 47-52.	0.8	10
125	Immunohistochemical detection of nicotinic acetylcholine receptor subunits $\alpha 9$ and $\alpha 10$ in rat lung isografts and allografts. <i>Life Sciences</i> , 2007, 80, 2286-2289.	2.0	10
126	Nicotine-induced activation of soluble adenylyl cyclase participates in ion transport regulation in mouse tracheal epithelium. <i>Life Sciences</i> , 2012, 91, 1009-1012.	2.0	9

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127	Advillin is a tuft cell marker in the mouse alimentary tract. <i>Journal of Molecular Histology</i> , 2020, 51, 421-435.	1.0	9
128	Development of epithelial cholinergic chemosensory cells of the urethra and trachea of mice. <i>Cell and Tissue Research</i> , 2021, 385, 21-35.	1.5	9
129	Cytochrome b 558 and hydrogen peroxide production in small intensely fluorescent cells of sympathetic ganglia. <i>Histochemistry and Cell Biology</i> , 1997, 107, 151-158.	0.8	8
130	Acute nicotine administration stimulates ciliary activity via $\alpha 3 \beta 4$ nAChR in the mouse trachea. <i>International Immunopharmacology</i> , 2020, 84, 106496.	1.7	8
131	Simultaneous immunohistochemical demonstration of vasoactive intestinal polypeptide and its receptor in human colon. <i>The Histochemical Journal</i> , 1990, 22, 249-256.	0.6	7
132	Innervation of Epi- and Endoneurial Compartments of Rat Facial, Vagus and Sciatic Nerves as Studied by Double-Labeling Immunofluorescence. <i>Cells Tissues Organs</i> , 1994, 149, 264-271.	1.3	7
133	$\beta 2$ -Adrenoreceptor immunoreactivity in cardiac ganglia of the guinea pig. <i>The Histochemical Journal</i> , 1996, 28, 827-833.	0.6	7
134	Expression and distribution of the calcitonin receptor-like receptor in the developing rat heart. <i>Anatomy and Embryology</i> , 2003, 207, 307-315.	1.5	7
135	Mitochondrial complex II participates in normoxic and hypoxic regulation of α -keto acids in the murine heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 950-961.	0.9	7
136	Calcitonin Peptide Family Members Are Differentially Regulated by LPS and Inhibit Functions of Rat Alveolar NR8383 Macrophages. <i>PLoS ONE</i> , 2016, 11, e0163483.	1.1	7
137	Caveolin-1: Functional Insights into Its Role in Muscarine- and Serotonin-Induced Smooth Muscle Constriction in Murine Airways. <i>Frontiers in Physiology</i> , 2017, 8, 295.	1.3	7
138	Muscarinic receptors 2 and 5 regulate bitter response of urethral brush cells via negative feedback. <i>FASEB Journal</i> , 2018, 32, 2903-2910.	0.2	7
139	Administration of keratinocyte growth factor down-regulates the pulmonary capacity of acetylcholine production. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 1955-1963.	1.2	6
140	ENaC in Cholinergic Brush Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 89.	1.8	6
141	Subcellular Localization and Function of B-Type Cytochromes in Carotid Body and Other Paraganglionic Cells. <i>Advances in Experimental Medicine and Biology</i> , 2002, 475, 371-375.	0.8	5
142	Terminally Differentiated Epithelial Cells of the Thymic Medulla and Skin Express Nicotinic Acetylcholine Receptor Subunit $\beta 3$. <i>BioMed Research International</i> , 2014, 2014, 1-9.	0.9	5
143	Low-dose adrenomedullin-2/intermedin (8-47) reduces pulmonary ischemia/reperfusion injury. <i>Peptides</i> , 2014, 62, 49-54.	1.2	5
144	Substance P Receptor in the Rat Heart and Regulation of Its Expression in Long-Term Diabetes. <i>Frontiers in Physiology</i> , 2018, 9, 918.	1.3	5

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145	Cholinergic receptors in the murine oviduct: Inventory and coupling to intracellular calcium concentration. <i>Life Sciences</i> , 2012, 91, 1003-1008.	2.0	4
146	Adrenomedullin and the calcitonin receptor-like receptor system mRNA expressions in the rat heart and sensory ganglia in experimentally-induced long-term diabetes. <i>General Physiology and Biophysics</i> , 2014, 33, 215-255.	0.4	4
147	Luminal acetylcholine does not affect the activity of the CFTR in tracheal epithelia of pigs. <i>International Immunopharmacology</i> , 2015, 29, 166-172.	1.7	4
148	Hypoxia-induced pulmonary vasoconstriction of intracranial arteries is impaired in NADPH oxidase 4 gene-deficient mice. <i>Pulmonary Circulation</i> , 2018, 8, 1-4.	0.8	4
149	Caveolin-3 differentially orchestrates cholinergic and serotonergic constriction of murine airways. <i>Scientific Reports</i> , 2018, 8, 7508.	1.6	4
150	Olfactory receptor Olfr78 (prostate-specific G protein-coupled receptor PSGR) expression in arterioles supplying skeletal and cardiac muscles and in arterioles feeding some murine organs. <i>Histochemistry and Cell Biology</i> , 2021, , 1.	0.8	4
151	Plasticity of the Afferent Innervation of the Airways. <i>Pulmonary Pharmacology</i> , 1995, 8, 169-172.	0.5	3
152	Cytochrome b558 (p22phox) in the guinea-pig adrenal medulla. , 1999, 47, 215-220.		3
153	Light-and Electronmicroscopical Immunohistochemical Investigation of the Innervation of the Human Carotid Body. <i>Advances in Experimental Medicine and Biology</i> , 1993, 337, 67-71.	0.8	3
154	Effects of Lewis lung carcinoma and B16 melanoma on the innervation of the mouse trachea. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2014, 183, 106-110.	1.4	2
155	Spatial expression of components of a calcitonin receptor-like receptor (CRL) signalling system (CRL) Tj ETQq1 1 0.784314 rgBT /Over heart valves. <i>Cell and Tissue Research</i> , 2016, 366, 587-599.	1.5	2
156	CXCL13 is expressed in a subpopulation of neuroendocrine cells in the murine trachea and lung. <i>Cell and Tissue Research</i> , 2022, 390, 35-49.	1.5	2
157	MHC class II antigen-expressing cells in cardiac ganglia of the rat. <i>Cell and Tissue Research</i> , 2005, 319, 37-48.	1.5	1
158	Expression of the muscle specific caveolin-isoform, cav-3, in mouse sensory neurons. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2007, 135, 69.	1.4	1
159	T243 AUTOIMMUNITY AGAINST THE BETA2 ADRENERGIC RECEPTOR AND MUSCARINIC 2 RECEPTOR IN COMPLEX REGIONAL PAIN SYNDROME. <i>European Journal of Pain Supplements</i> , 2011, 5, 48-48.	0.0	1
160	Role of ROS and NO in Hypoxia-induced Increase in Tyrosine Hydroxylase-messenger RNA in PC12 cells. <i>Advances in Experimental Medicine and Biology</i> , 2003, 536, 193-199.	0.8	0
161	Examination of luminal acetylcholine on CFTR activity in porcine airway epithelium. <i>FASEB Journal</i> , 2013, 27, .	0.2	0
162	The curious case of ligamentum arteriosum: It is more than a ligament. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0