Axel Fischer

List of Publications by Year
in descending order

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95 papers	5,211 citations	70961 41 h-index	88477 70 g-index
95 all docs	95 docs citations	95 times ranked	4068 citing authors

#	Article	IF	Citations
1	Increased Expression of Transient Receptor Potential Vanilloid-1 in Airway Nerves of Chronic Cough. American Journal of Respiratory and Critical Care Medicine, 2004, 170, 1276-1280.	2.5	365
2	Expression of nitric oxide synthase in kidney macula densa cells. Kidney International, 1992, 42, 1017-1019.	2.6	269
3	Abundant Production of Brain-Derived Neurotrophic Factor by Adult Visceral Epithelia. American Journal of Pathology, 1999, 155, 1183-1193.	1.9	245
4	Neural regulation of airway smooth muscle tone. Respiration Physiology, 2001, 125, 113-127.	2.8	170
5	Nitric oxide synthase in guinea pig lower airway innervation. Neuroscience Letters, 1993, 149, 157-160.	1.0	168
6	Cellular Sources of Enhanced Brain-Derived Neurotrophic Factor Production in a Mouse Model of Allergic Inflammation Notice to Professional Recruitment and Announcement Advertisers. American Journal of Respiratory Cell and Molecular Biology, 1999, 21, 537-546.	1.4	152
7	Nitric oxide synthase in VIP-containing vasodilator nerve fibres in the Guineapig. NeuroReport, 1992, 3, 653.	0.6	145
8	Localization of the Peptide Transporter PEPT2 in the Lung. American Journal of Pathology, 2001, 158, 707-714.	1.9	145
9	Calcitonin gene-related peptide as inflammatory mediator. Pulmonary Pharmacology and Therapeutics, 2003, 16, 121-130.	1.1	125
10	Allergenâ€“Induced Sensory Neuroplasticity in Airways. International Archives of Allergy and Immunology, 1999, 118, 150-153.	0.9	121
11	Occupational medicine and toxicology. Journal of Occupational Medicine and Toxicology, 2006, 1, 1.	0.9	113
12	Intestinal peptide transport: ex vivo uptake studies and localization of peptide carrier PEPT1. American Journal of Physiology - Renal Physiology, 2001, 281, G697-G704.	1.6	106
13	Expression of Heme Oxygenase Isoenzymes 1 and 2 in Normal and Asthmatic Airways. American Journal of Respiratory and Critical Care Medicine, 2000, 162, 1912-1918.	2.5	100
14	In Vitro Models to Study Hepatotoxicity. Toxicologic Pathology, 2002, 30, 394-399.	0.9	96
15	Brain-derived neurotrophic factor (BDNF) contributes to neuronal dysfunction in a model of allergic airway inflammation. British Journal of Pharmacology, 2004, 141, 431-440.	2.7	87
16	Gene expression and regulation of nerve growth factor in atopic dermatitis mast cells and the human mast cell line-1. Journal of Neuroimmunology, 2005, 161, 87-92.	1.1	86
17	Spatial Interactions between Dendritic Cells and Sensory Nerves in Allergic Airway Inflammation. American Journal of Respiratory Cell and Molecular Biology, 2007, 37, 553-561.	1.4	86
18	Novel concepts of neuropeptide-based drug therapy: Vasoactive intestinal polypeptide and its receptors. European Journal of Pharmacology, 2006, 533, 182-194.	1.7	80

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19	Peptide transport in the mammary gland: expression and distribution of PEPT2 mRNA and protein. American Journal of Physiology - Endocrinology and Metabolism, 2002, 282, E1172-E1179.	1.8	79
20	Ethanol Causes Inflammation in the Airways by a Neurogenic and TRPV1-Dependent Mechanism. Journal of Pharmacology and Experimental Therapeutics, 2004, 309, 1167-1173.	1.3	79
21	Pan-Neurotrophin Receptor p75 Contributes to Neuronal Hyperreactivity and Airway Inflammation in a Murine Model of Experimental Asthma. American Journal of Respiratory Cell and Molecular Biology, 2003, 28, 170-178.	1.4	77
22	Substance P released by TRPV1-expressing neurons produces reactive oxygen species that mediate ethanol-induced gastric injury. Free Radical Biology and Medicine, 2007, 43, 581-589.	1.3	77
23	Molecular Mechanisms of Pulmonary Peptidomimetic Drug and Peptide Transport. American Journal of Respiratory Cell and Molecular Biology, 2004, 30, 251-260.	1.4	76
24	Protease-activated receptor-2 activation exaggerates TRPV1-mediated cough in guinea pigs. Journal of Applied Physiology, 2006, 101, 506-511.	1.2	75
25	Vasoactive Intestinal Polypeptide as Mediator of Asthma. Pulmonary Pharmacology and Therapeutics, 2001, 14, 391-401.	1.1	74
26	Distribution of Respiratory Mucin Proteins in Human Nasal Mucosa. Laryngoscope, 2003, 113, 520-524.	1.1	73
27	Down-regulation of vasoactive intestinal polypeptide receptor expression in atopic dermatitis. Journal of Allergy and Clinical Immunology, 2003, 111, 1099-1105.	1.5	71
28	Expression and Distribution of Vasoactive Intestinal Polypeptide Receptor VPAC2 mRNA in Human Airways. Laboratory Investigation, 2001, 81, 749-755.	1.7	69
29	Substance P expression in TRPV1 and trkA-positive dorsal root ganglion neurons innervating the mouse lung. Respiratory Physiology and Neurobiology, 2004, 144, 15-24.	0.7	69
30	SMAD-signaling in chronic obstructive pulmonary disease: transcriptional down-regulation of inhibitory SMAD 6 and 7 by cigarette smoke. Biological Chemistry, 2004, 385, 649-53.	1.2	68
31	Mediators of Asthma: Nitric oxide. Pulmonary Pharmacology and Therapeutics, 2002, 15, 73-81.	1.1	62
32	Leptin receptor expression in nodose ganglion cells projecting to the rat gastric fundus. Neuroscience Letters, 2002, 320, 41-44.	1.0	62
33	Institutional operating figures in basic and applied sciences: Scientometric analysis of quantitative output benchmarking. Health Research Policy and Systems, 2008, 6, 6.	1.1	61
34	Expression of PEPT2 peptide transporter mRNA and protein in glial cells of rat dorsal root ganglia. Neuroscience Letters, 2001, 304, 181-184.	1.0	59
35	Neuropeptide Y (NPY). Pulmonary Pharmacology and Therapeutics, 2004, 17, 173-180.	1.1	54
36	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

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37	Reference values and physiological characterization of a specific isolated pig kidney perfusion model. Journal of Occupational Medicine and Toxicology, 2007, 2, 1.	0.9	50
38	Correlation of Vasoactive Intestinal Peptide and Nitric Oxide Synthase with Choline Acetyltransferase in the Airway Innervation. Annals of the New York Academy of Sciences, 2006, 805, 717-722.	1.8	47
39	Expression of substance P and vanilloid receptor (VR1) in trigeminal sensory neurons projecting to the mouse nasal mucosa. Neuropeptides, 2003, 37, 245-250.	0.9	46
40	Neuronal Plasticity in Persistent Perennial Allergic Rhinitis. Journal of Occupational and Environmental Medicine, 2005, 47, 20-25.	0.9	45
41	Innervation of Human Nasal Mucosa in Environmentally Triggered Hyperreflectoric Rhinitis. Journal of Occupational and Environmental Medicine, 2002, 44, 924-929.	0.9	44
42	Is TRPV1 a useful target in respiratory diseases?. Pulmonary Pharmacology and Therapeutics, 2008, 21, 833-839.	1.1	44
43	Toxic Rhinitis-Induced Changes of Human Nasal Mucosa Innervation. Toxicologic Pathology, 2003, 31, 326-331.	0.9	43
44	Tachykinins in the Respiratory Tract. Current Drug Targets, 2006, 7, 1005-1010.	1.0	41
45	Analysing the causes of chronic cough: relation to diesel exhaust, ozone, nitrogen oxides, sulphur oxides and other environmental factors. Journal of Occupational Medicine and Toxicology, 2006, 1, 6.	0.9	41
46	Chronic cough due to occupational factors. Journal of Occupational Medicine and Toxicology, 2006, 1, 3.	0.9	40
47	Nitric oxide synthase in vagal sensory and sympathetic neurons innervating the guinea-pig trachea. Journal of the Autonomic Nervous System, 1996, 56, 157-160.	1.9	39
48	Endogenous Opioids as Mediators of Asthma. Pulmonary Pharmacology and Therapeutics, 2001, 14, 383-389.	1.1	38
49	A Model of Isolated Autologously Hemoperfused Porcine Slaughterhouse Kidneys. Nephron, 2002, 92, 414-421.	0.9	36
50	Effects of alpha calcitonin gene-related peptide in human bronchial smooth muscle and pulmonary artery. Regulatory Peptides, 2004, 118, 127-134.	1.9	36
51	Diagnosis, monitoring and prevention of exposure-related non-communicable diseases in the living and working environment: DiMoPEx-project is designed to determine the impacts of environmental exposure on human health. Journal of Occupational Medicine and Toxicology, 2018, 13, 6.	0.9	32
52	Detection of Nitric Oxide Release Induced by Bradykinin in Guinea Pig Trachea and Main Bronchi Using a Porphyrinic Microsensor. American Journal of Respiratory Cell and Molecular Biology, 2000, 22, 97-104.	1.4	31
53	Abundant Expression of Vasoactive Intestinal Polypeptide Receptor VPAC2 mRNA in Human Skin. Journal of Investigative Dermatology, 2001, 117, 754-756.	0.3	29
54	Naloxone blocks endomorphin-1 but not endomorphin-2 induced inhibition of tachykinergic contractions of guinea-pig isolated bronchus. British Journal of Pharmacology, 1999, 127, 605-608.	2.7	28

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55	Inflammatory cells as source of tachykinin-induced mucus secretion in chronic bronchitis. Regulatory Peptides, 2005, 124, 195-201.	1.9	28
56	Simultaneous detection of receptor mRNA and ligand protein in human skin tissues. Journal of Cutaneous Pathology, 2002, 29, 65-71.	0.7	27
57	Analysis of research output parameters: Density equalizing mapping and citation trend analysis. BMC Health Services Research, 2009, 9, 16.	0.9	27
58	Density equalizing mapping of the global tuberculosis research architecture. Tuberculosis, 2015, 95, 515-522.	0.8	27
59	Dopamine type 2 receptor expression and function in rodent sensory neurons projecting to the airways. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2005, 289, L153-L158.	1.3	25
60	Allergic airway inflammation induces the migration of dendritic cells into airway sensory ganglia. Respiratory Research, 2014, 15, 73.	1.4	25
61	Toxic Rhinitis-Induced Changes of Human Nasal Mucosa Innervation. Toxicologic Pathology, 2003, 31, 326-331.	0.9	25
62	Expression of substance P and nitric oxide synthase in vagal sensory neurons innervating the mouse airways. Regulatory Peptides, 2005, 126, 189-194.	1.9	23
63	Inter-disease Comparison of Research Quantity and Quality: Bronchial Asthma and Chronic Obstructive Pulmonary Disease. Journal of Asthma, 2009, 46, 147-152.	0.9	22
64	Nitric Oxide Synthase in the Innervation of the Human Nasal Mucosa: Correlation With Neuropeptides and Tyrosine Hydroxylase. Laryngoscope, 1998, 108, 128-133.	1.1	21
65	The isolated perfused liver. Journal of Pharmacological and Toxicological Methods, 2001, 46, 163-168.	0.3	21
66	Renal assimilation of short chain peptides: visualization of tubular peptide uptake. Pharmaceutical Research, 2002, 19, 1209-1214.	1.7	21
67	Protease-activated receptor 2 expression in trigeminal neurons innervating the rat nasal mucosa. Neuropeptides, 2005, 39, 461-466.	0.9	21
68	Analysis of airway secretions in a model of sulfur dioxide induced chronic obstructive pulmonary disease (COPD). Journal of Occupational Medicine and Toxicology, 2006, 1, 12.	0.9	21
69	Substance P mediates AP-1 induction in A549 cells via reactive oxygen species. Regulatory Peptides, 2005, 124, 99-103.	1.9	20
70	Nociceptin effects in the airways. Peptides, 2000, 21, 995-998.	1.2	19
71	Isolated Hemoperfused Slaughterhouse Livers as a Valid Model to Study Hepatotoxicity. Toxicologic Pathology, 2002, 30, 749-754.	0.9	19
72	Interfield dysbalances in research input and output benchmarking: Visualisation by density equalizing procedures. International Journal of Health Geographics, 2008, 7, 48.	1.2	18

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73	New quality and quantity indices in science (NewQIS): results of the first decadeâ€”project progress review. Scientometrics, 2019, 121, 451-478.	1.6	17
74	BDNF-overexpression regulates the reactivity of small pulmonary arteries to neurokinin A. Regulatory Peptides, 2004, 118, 19-23.	1.9	16
75	Ethanol potentiates the TRPV1-mediated cough in the guinea pig. Pulmonary Pharmacology and Therapeutics, 2009, 22, 33-36.	1.1	16
76	Immunological methods for diagnosis and monitoring of IgEâ€mediated allergy caused by industrial sensitizing agents (IMExAllergy). Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 1885-1897.	2.7	16
77	Genomic Organization and Regulation of a Human 7-Helix Transmembrane Receptor Which Is Expressed in Pulmonary Epithelial Cells and Induced in Hypoxia. Biochemical and Biophysical Research Communications, 2002, 291, 1160-1165.	1.0	15
78	Ozone-Induced Release of Neuropeptides from Human Nasal Mucosa Cells. International Archives of Allergy and Immunology, 2002, 129, 145-151.	0.9	13
79	Alternative splicing in single cells dissected from complex tissues: separate expression of preproâ€tachykinin A mRNA splice variants in sensory neurones. Journal of Neurochemistry, 2003, 85, 882-888.	2.1	13
80	Direct visualization of peptide uptake activity in the central nervous system of the rat. Neuroscience Letters, 2004, 364, 32-36.	1.0	13
81	Transcriptional down-regulation of neurotrophin-3 in chronic obstructive pulmonary disease. Biological Chemistry, 2005, 386, 53-9.	1.2	12
82	Expression of immediate early genes in sensory ganglia. Neurochemical Research, 2001, 26, 1113-1117.	1.6	10
83	Hemoperfused Isolated Porcine Slaughterhouse Kidneys as a Valid Model for Pharmacological Studies. Journal of Pharmaceutical Sciences, 2003, 92, 1147-1154.	1.6	10
84	Analysis and evaluation of environmental tobacco smoke exposure as a risk factor for chronic cough. Cough, 2007, 3, 6.	2.7	10
85	Transcriptional down-regulation of suppressor of cytokine signaling (SOCS)-3 in chronic obstructive pulmonary disease. Journal of Occupational Medicine and Toxicology, 2013, 8, 29.	0.9	9
86	Isolated Hemoperfused Porcine Skin as a Valid Model to Assess Percutaneous Absorption1. Journal of Investigative Dermatology, 2002, 119, 197-199.	0.3	6
87	Mobile air quality studies (MAQS) in inner cities: particulate matter PM10 levels related to different vehicle driving modes and integration of data into a geographical information program. Journal of Occupational Medicine and Toxicology, 2012, 7, 20.	0.9	5
88	Dopamine D2 receptor mRNA expression is increased in the jugular-nodose ganglia of rats with nitrogen dioxide-induced chronic bronchitis. Neuroscience Letters, 2009, 465, 143-146.	1.0	4
89	Needlestick injuries: a density-equalizing mapping and socioeconomic analysis of the global research. International Archives of Occupational and Environmental Health, 2020, 93, 995-1006.	1.1	4
90	The story behind Oncotarget? A bibliometric analysis. Scientometrics, 2018, 117, 2195-2205.	1.6	3

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91	Re-Uptake Mechanisms of Peptide Fragments after DPP IV-Mediated Proteolysis in the Peripheral Nervous System. , 2003, 524, 73-76.		2
92	Localisation of Nitric Oxide Synthases in the Lung. , 2000, , 71-88.		1
93	Peroxynitrite and Nitrergic Neural Transmission: Pathophysiological Implications. , 2000, , 279-306.		0
94	Nitric Oxide and Guanylyl Cyclases: Correlation with Neuropeptides. , 2017, , 641-652.		0
95	Fixed combination therapies in COPD--effect on quality of life. International Journal of COPD, 2007, 2, 551-7.	0.9	0