Axel Fischer

List of Publications by Year
in descending order

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Version: 2024-02-01

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	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
2	New quality and quantity indices in science (NewQIS): results of the first decadeâ€”project progress review. Scientometrics, 2019, 121, 451-478.	1.6	17
3	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
4	The story behind Oncotarget? A bibliometric analysis. Scientometrics, 2018, 117, 2195-2205.	1.6	3
5	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
6	Nitric Oxide and Guanylyl Cyclases: Correlation with Neuropeptides. , 2017, , 641-652.		0
7	Density equalizing mapping of the global tuberculosis research architecture. Tuberculosis, 2015, 95, 515-522.	0.8	27
8	Allergic airway inflammation induces the migration of dendritic cells into airway sensory ganglia. Respiratory Research, 2014, 15, 73.	1.4	25
9	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
10	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
11	Analysis of research output parameters: Density equalizing mapping and citation trend analysis. BMC Health Services Research, 2009, 9, 16.	0.9	27
12	Ethanol potentiates the TRPV1-mediated cough in the guinea pig. Pulmonary Pharmacology and Therapeutics, 2009, 22, 33-36.	1.1	16
13	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
14	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
15	Interfield dysbalances in research input and output benchmarking: Visualisation by density equalizing procedures. International Journal of Health Geographics, 2008, 7, 48.	1.2	18
16	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
17	Is TRPV1 a useful target in respiratory diseases?. Pulmonary Pharmacology and Therapeutics, 2008, 21, 833-839.	1.1	44
18	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

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19	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
20	Analysis and evaluation of environmental tobacco smoke exposure as a risk factor for chronic cough. Cough, 2007, 3, 6.	2.7	10
21	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
22	Fixed combination therapies in COPD--effect on quality of life. International Journal of COPD, 2007, 2, 551-7.	0.9	0
23	Protease-activated receptor-2 activation exaggerates TRPV1-mediated cough in guinea pigs. Journal of Applied Physiology, 2006, 101, 506-511.	1.2	75
24	Tachykinins in the Respiratory Tract. Current Drug Targets, 2006, 7, 1005-1010.	1.0	41
25	Occupational medicine and toxicology. Journal of Occupational Medicine and Toxicology, 2006, 1, 1.	0.9	113
26	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
27	Chronic cough due to occupational factors. Journal of Occupational Medicine and Toxicology, 2006, 1, 3.	0.9	40
28	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
29	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
30	Novel concepts of neuropeptide-based drug therapy: Vasoactive intestinal polypeptide and its receptors. European Journal of Pharmacology, 2006, 533, 182-194.	1.7	80
31	Neuronal Plasticity in Persistent Perennial Allergic Rhinitis. Journal of Occupational and Environmental Medicine, 2005, 47, 20-25.	0.9	45
32	Protease-activated receptor 2 expression in trigeminal neurons innervating the rat nasal mucosa. Neuropeptides, 2005, 39, 461-466.	0.9	21
33	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
34	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
35	Transcriptional down-regulation of neurotrophin-3 in chronic obstructive pulmonary disease. Biological Chemistry, 2005, 386, 53-9.	1.2	12
36	Substance P mediates AP-1 induction in A549 cells via reactive oxygen species. Regulatory Peptides, 2005, 124, 99-103.	1.9	20

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37	Inflammatory cells as source of tachykinin-induced mucus secretion in chronic bronchitis. Regulatory Peptides, 2005, 124, 195-201.	1.9	28
38	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
39	Molecular Mechanisms of Pulmonary Peptidomimetic Drug and Peptide Transport. American Journal of Respiratory Cell and Molecular Biology, 2004, 30, 251-260.	1.4	76
40	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
41	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
42	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
43	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
44	Neuropeptide Y (NPY). Pulmonary Pharmacology and Therapeutics, 2004, 17, 173-180.	1.1	54
45	BDNF-overexpression regulates the reactivity of small pulmonary arteries to neurokinin A. Regulatory Peptides, 2004, 118, 19-23.	1.9	16
46	Effects of alpha calcitonin gene-related peptide in human bronchial smooth muscle and pulmonary artery. Regulatory Peptides, 2004, 118, 127-134.	1.9	36
47	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
48	Direct visualization of peptide uptake activity in the central nervous system of the rat. Neuroscience Letters, 2004, 364, 32-36.	1.0	13
49	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
50	Hemoperfused Isolated Porcine Slaughterhouse Kidneys as a Valid Model for Pharmacological Studies. Journal of Pharmaceutical Sciences, 2003, 92, 1147-1154.	1.6	10
51	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
52	Distribution of Respiratory Mucin Proteins in Human Nasal Mucosa. Laryngoscope, 2003, 113, 520-524.	1.1	73
53	Down-regulation of vasoactive intestinal polypeptide receptor expression in atopic dermatitis. Journal of Allergy and Clinical Immunology, 2003, 111, 1099-1105.	1.5	71
54	Calcitonin gene-related peptide as inflammatory mediator. Pulmonary Pharmacology and Therapeutics, 2003, 16, 121-130.	1.1	125

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55	Toxic Rhinitis-Induced Changes of Human Nasal Mucosa Innervation. Toxicologic Pathology, 2003, 31, 326-331.	0.9	43
56	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
57	Re-Uptake Mechanisms of Peptide Fragments after DPP IV-Mediated Proteolysis in the Peripheral Nervous System. , 2003, 524, 73-76.		2
58	Toxic Rhinitis-Induced Changes of Human Nasal Mucosa Innervation. Toxicologic Pathology, 2003, 31, 326-331.	0.9	25
59	A Model of Isolated Autologously Hemoperfused Porcine Slaughterhouse Kidneys. Nephron, 2002, 92, 414-421.	0.9	36
60	In Vitro Models to Study Hepatotoxicity. Toxicologic Pathology, 2002, 30, 394-399.	0.9	96
61	Isolated Hemoperfused Slaughterhouse Livers as a Valid Model to Study Hepatotoxicity. Toxicologic Pathology, 2002, 30, 749-754.	0.9	19
62	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
63	Ozone-Induced Release of Neuropeptides from Human Nasal Mucosa Cells. International Archives of Allergy and Immunology, 2002, 129, 145-151.	0.9	13
64	Innervation of Human Nasal Mucosa in Environmentally Triggered Hyperreflectoric Rhinitis. Journal of Occupational and Environmental Medicine, 2002, 44, 924-929.	0.9	44
65	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
66	Mediators of Asthma: Nitric oxide. Pulmonary Pharmacology and Therapeutics, 2002, 15, 73-81.	1.1	62
67	Leptin receptor expression in nodose ganglion cells projecting to the rat gastric fundus. Neuroscience Letters, 2002, 320, 41-44.	1.0	62
68	Simultaneous detection of receptor mRNA and ligand protein in human skin tissues. Journal of Cutaneous Pathology, 2002, 29, 65-71.	0.7	27
69	Isolated Hemoperfused Porcine Skin as a Valid Model to Assess Percutaneous Absorption1. Journal of Investigative Dermatology, 2002, 119, 197-199.	0.3	6
70	Renal assimilation of short chain peptides: visualization of tubular peptide uptake. Pharmaceutical Research, 2002, 19, 1209-1214.	1.7	21
71	Endogenous Opioids as Mediators of Asthma. Pulmonary Pharmacology and Therapeutics, 2001, 14, 383-389.	1.1	38
72	Vasoactive Intestinal Polypeptide as Mediator of Asthma. Pulmonary Pharmacology and Therapeutics, 2001, 14, 391-401.	1.1	74

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73	Localization of the Peptide Transporter PEPT2 in the Lung. American Journal of Pathology, 2001, 158, 707-714.	1.9	145
74	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
75	Neural regulation of airway smooth muscle tone. Respiration Physiology, 2001, 125, 113-127.	2.8	170
76	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
77	Abundant Expression of Vasoactive Intestinal Polypeptide Receptor VPAC2 mRNA in Human Skin. Journal of Investigative Dermatology, 2001, 117, 754-756.	0.3	29
78	Expression of immediate early genes in sensory ganglia. Neurochemical Research, 2001, 26, 1113-1117.	1.6	10
79	Expression and Distribution of Vasoactive Intestinal Polypeptide Receptor VPAC2 mRNA in Human Airways. Laboratory Investigation, 2001, 81, 749-755.	1.7	69
80	The isolated perfused liver. Journal of Pharmacological and Toxicological Methods, 2001, 46, 163-168.	0.3	21
81	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
82	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
83	Nociceptin effects in the airways. Peptides, 2000, 21, 995-998.	1.2	19
84	Localisation of Nitric Oxide Synthases in the Lung. , 2000, , 71-88.		1
85	Peroxynitrite and Nitrergic Neural Transmission: Pathophysiological Implications. , 2000, , 279-306.		0
86	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
87	Allergenâ€“Induced Sensory Neuroplasticity in Airways. International Archives of Allergy and Immunology, 1999, 118, 150-153.	0.9	121
88	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
89	Abundant Production of Brain-Derived Neurotrophic Factor by Adult Visceral Epithelia. American Journal of Pathology, 1999, 155, 1183-1193.	1.9	245
90	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

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91	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
92	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
93	Nitric oxide synthase in guinea pig lower airway innervation. Neuroscience Letters, 1993, 149, 157-160.	1.0	168
94	Nitric oxide synthase in VIP-containing vasodilator nerve fibres in the Guineapig. NeuroReport, 1992, 3, 653.	0.6	145
95	Expression of nitric oxide synthase in kidney macula densa cells. Kidney International, 1992, 42, 1017-1019.	2.6	269