Holger Schulz

List of Publications by Year
in descending order

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191 papers	11,927 citations	38742 50 h-index	31849 101 g-index
199 all docs	199 docs citations	199 times ranked	19391 citing authors

#	Article	IF	Citations
1	Differential effects of lung inflammation on insulin resistance in humans and mice. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 2482-2497.	5.7	3
2	Whole-Body MRI-Derived Adipose Tissue Characterization and Relationship to Pulmonary Function Impairment. Tomography, 2022, 8, 560-569.	1.8	1
3	Low leptin levels are associated with elevated physical activity among lean school children in rural Tanzania. BMC Public Health, 2022, 22, 933.	2.9	2
4	Association of early life and acute pollen exposure with lung function and exhaled nitric oxide (FeNO). A prospective study up to adolescence in the GINIplus and LISA cohort. Science of the Total Environment, 2021, 763, 143006.	8.0	10
5	Living longer but less healthy: The female disadvantage in health expectancy. Results from the KORA -Age study. Experimental Gerontology, 2021, 145, 111196.	2.8	5
6	Air pollution during infancy and lung function development into adolescence: The GINIplus/LISA birth cohorts study. Environment International, 2021, 146, 106195.	10.0	12
7	Dietary Macronutrient Composition in Relation to Circulating HDL and Non-HDL Cholesterol: A Federated Individual-Level Analysis of Cross-Sectional Data from Adolescents and Adults in 8 European Studies. Journal of Nutrition, 2021, 151, 2317-2329.	2.9	8
8	Long-term Air Pollution Exposure Under European Union Limits and Adolescentsâ€™ Lung Function. Chest, 2021, 160, 249-258.	0.8	4
9	Subclinical cardiac impairment relates to traditional pulmonary function test parameters and lung volume as derived from whole-body MRI in a population-based cohort study. Scientific Reports, 2021, 11, 16173.	3.3	5
10	Activation of immune cell proteasomes in peripheral blood of smokers and COPD patients - implications for therapy. European Respiratory Journal, 2021, , 2101798.	6.7	9
11	Rare and low-frequency exonic variants and gene-by-smoking interactions in pulmonary function. Scientific Reports, 2021, 11, 19365.	3.3	2
12	Blood Immunoproteasome Activity Is Regulated by Sex, Age and in Chronic Inflammatory Diseases: A First Population-Based Study. Cells, 2021, 10, 3336.	4.1	2
13	Protein-coding variants contribute to the risk of atopic dermatitis and skin-specific gene expression. Journal of Allergy and Clinical Immunology, 2020, 145, 1208-1218.	2.9	29
14	Is There an Association between Asthma and Dental Caries and Molar Incisor Hypomineralisation?. Caries Research, 2020, 54, 87-95.	2.0	12
15	Chronic obstructive pulmonary disease and related phenotypes: polygenic risk scores in population-based and case-control cohorts. Lancet Respiratory Medicine,the, 2020, 8, 696-708.	10.7	69
16	Association of lung function with overall mortality is independent of inflammatory, cardiac, and functional biomarkers in older adults: theÂActiFE-study. Scientific Reports, 2020, 10, 11862.	3.3	13
17	Health-related quality of life associates with change in FEV1 in COPD: results from the COSYCONET cohort. BMC Pulmonary Medicine, 2020, 20, 148.	2.0	15
18	Association between objectively assessed physical activity and sleep quality in adolescence. Results from the GINIplus and LISA studies. Sleep Medicine, 2020, 72, 65-74.	1.6	8

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19	Malnutrition and related risk factors in older adults from different health-care settings: an enable study. Public Health Nutrition, 2020, 23, 446-456.	2.2	25
20	Accelerated epigenetic aging as a risk factor for chronic obstructive pulmonary disease and decreased lung function in two prospective cohort studies. Aging, 2020, 12, 16539-16554.	3.1	13
21	Biological determinants of physical activity across the life course: a â€œDeterminants of Diet and Physical Activityâ€•(DEDIPAC) umbrella systematic literature review. Sports Medicine - Open, 2019, 5, 2.	3.1	38
22	Determinants of healthcare utilization and costs in COPD patients: first longitudinal results from the German COPD cohort COSYCONET . International Journal of COPD, 2019, Volume 14, 1423-1439.	2.3	24
23	Dietary saturated fat and low-grade inflammation modified by accelerometer-measured physical activity in adolescence: results from the GINIplus and LISA birth cohorts. BMC Public Health, 2019, 19, 818.	2.9	5
24	Epigenome-wide association study of lung function level and its change. European Respiratory Journal, 2019, 54, 1900457.	6.7	49
25	Early life determinants induce sustainable changes in the gut microbiome of six-year-old children. Scientific Reports, 2019, 9, 12675.	3.3	32
26	The Role of Early Life Food Sensitization in Adolescent Lung Function: Results from 2 Birth Cohort Studies. Journal of Allergy and Clinical Immunology: in Practice, 2019, 7, 1825-1834.e12.	3.8	4
27	Metabolomics Identifies Novel Blood Biomarkers of Pulmonary Function and COPD in the General Population. Metabolites, 2019, 9, 61.	2.9	30
28	New genetic signals for lung function highlight pathways and chronic obstructive pulmonary disease associations across multiple ancestries. Nature Genetics, 2019, 51, 481-493.	21.4	350
29	Second-hand smoke exposure in adulthood and lower respiratory health during 20â€‰year follow up in the European Community Respiratory Health Survey. Respiratory Research, 2019, 20, 33.	3.6	27
30	Automated MR-based lung volume segmentation in population-based whole-body MR imaging: correlation with clinical characteristics, pulmonary function testing and obstructive lung disease. European Radiology, 2019, 29, 1595-1606.	4.5	5
31	Association of alcohol consumption with allergic disease and asthma: a multiâ€centre Mendelian randomization analysis. Addiction, 2019, 114, 216-225.	3.3	14
32	Lung function and oral health in adolescents. European Respiratory Journal, 2019, 53, 1801951.	6.7	7
33	Joint Data Analysis in Nutritional Epidemiology: Identification of Observational Studies and Minimal Requirements. Journal of Nutrition, 2018, 148, 285-297.	2.9	13
34	Airway obstruction and lung hyperinflation in COPD are linked to an impaired left ventricular diastolic filling. Respiratory Medicine, 2018, 137, 14-22.	2.9	35
35	Left ventricular volume and wall stress are linked to lung function impairment in COPD. International Journal of Cardiology, 2018, 261, 172-178.	1.7	27
36	Policy determinants of physical activity across the life course: a â€˜DEDIPACâ€™ umbrella systematic literature review. European Journal of Public Health, 2018, 28, 105-118.	0.3	26

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37	Association of generic health-related quality of life (EQ-5D dimensions) and inactivity with lung function in lung-healthy German adults: results from the KORA studies F4L and Age. Quality of Life Research, 2018, 27, 735-745.	3.1	2
38	P I â€“ 3â€“3â€...Physical activity may modify the association between saturated fat intake and blood lipids in adolescents. , 2018, , .		0
39	Muscular Strength is Independently Associated with Cystatin C: The KORA-Age Study. International Journal of Sports Medicine, 2018, 39, 225-231.	1.7	3
40	Uni- and triaxial accelerometric signals agree during daily routine, but show differences between sports. Scientific Reports, 2018, 8, 15055.	3.3	20
41	Association of Dietary Fatty Acids with Blood Lipids is Modified by Physical Activity in Adolescents: Results from the GINIplus and LISA Birth Cohort Studies. Nutrients, 2018, 10, 1372.	4.1	7
42	The Microbiome and Preterm Birth: A Change in Paradigm with Profound Implications for Pathophysiologic Concepts and Novel Therapeutic Strategies. BioMed Research International, 2018, 2018, 1-12.	1.9	55
43	Metastable DNA methylation sites associated with longitudinal lung function decline and aging in humans: an epigenome-wide study in the NAS and KORA cohorts. Epigenetics, 2018, 13, 1039-1055.	2.7	19
44	Handgrip strength is associated with improved spirometry in adolescents. PLoS ONE, 2018, 13, e0194560.	2.5	17
45	Heterogeneous pattern of differences in respiratory parameters between elderly with either good or poor FEV1. BMC Pulmonary Medicine, 2018, 18, 27.	2.0	4
46	Direct healthcare costs associated with device assessed and self-reported physical activity: results from a cross-sectional population-based study. BMC Public Health, 2018, 18, 966.	2.9	8
47	Influence of body mass on predicted values of static hyperinflation in COPD. International Journal of COPD, 2018, Volume 13, 2551-2555.	2.3	5
48	Meta-analysis of exome array data identifies six novel genetic loci for lung function. Wellcome Open Research, 2018, 3, 4.	1.8	19
49	Socio-economic determinants of physical activity across the life course: A "DEterminants of DIet and Physical ACtivity" (DEDIPAC) umbrella literature review. PLoS ONE, 2018, 13, e0190737.	2.5	175
50	Common eye diseases in older adults of southern Germany: results from the KORA-Age study. Age and Ageing, 2017, 46, 481-486.	1.6	17
51	Evidence for large-scale gene-by-smoking interaction effects on pulmonary function. International Journal of Epidemiology, 2017, 46, dyw318.	1.9	36
52	Genome-wide association analyses for lung function and chronic obstructive pulmonary disease identify new loci and potential druggable targets. Nature Genetics, 2017, 49, 416-425.	21.4	257
53	Homeobox, Wnt, and Fibroblast Growth Factor Signaling is Augmented During Alveogenesis in Mice Lacking Superoxide Dismutase 3, Extracellular. Lung, 2017, 195, 263-270.	3.3	4
54	Higher serum 25(OH)D concentrations are associated with improved FEV₁ and FVC in adolescence. European Respiratory Journal, 2017, 49, 1601804.	6.7	12

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55	Behavioral determinants of physical activity across the life course: a â€œDEterminants of DIet and Physical ACtivityâ€•(DEDIPAC) umbrella systematic literature review. International Journal of Behavioral Nutrition and Physical Activity, 2017, 14, 58.	4.6	100
56	Relationship between sleep disturbances and multimorbidity among community-dwelling men and women aged 65â€“93 years: results from the KORA Age Study. Sleep Medicine, 2017, 33, 151-159.	1.6	42
57	Association of Atopic Dermatitis with Cardiovascular Risk Factors and Diseases. Journal of Investigative Dermatology, 2017, 137, 1074-1081.	0.7	73
58	Physical activity, subjective sleep quality and time in bed do not vary by moon phase in German adolescents. Journal of Sleep Research, 2017, 26, 371-376.	3.2	10
59	Shared genetic origin of asthma, hay fever and eczema elucidates allergic disease biology. Nature Genetics, 2017, 49, 1752-1757.	21.4	432
60	24â€‰h-accelerometry in epidemiological studies: automated detection of non-wear time in comparison to diary information. Scientific Reports, 2017, 7, 2227.	3.3	22
61	Investigating the causal effect of smoking on hay fever and asthma: a Mendelian randomization meta-analysis in the CARTA consortium. Scientific Reports, 2017, 7, 2224.	3.3	35
62	Costs and health-related quality of life in Alpha-1-Antitrypsin Deficient COPD patients. Respiratory Research, 2017, 18, 60.	3.6	15
63	Early pulmonary response is critical for extra-pulmonary carbon nanoparticle mediated effects: comparison of inhalation versus intra-arterial infusion exposures in mice. Particle and Fibre Toxicology, 2017, 14, 19.	6.2	38
64	Male sex and poverty predict abrupt health decline: Deficit accumulation patterns and trajectories in the KORA-Age cohort study. Preventive Medicine, 2017, 102, 31-38.	3.4	9
65	Peripheral Artery Disease and Its Clinical Relevance in Patients with Chronic Obstructive Pulmonary Disease in the COPD and Systemic Consequencesâ€“Comorbidities Network Study. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 189-197.	5.6	81
66	Psychological determinants of physical activity across the life course: A "DEterminants of DIet and Physical ACtivity" (DEDIPAC) umbrella systematic literature review. PLoS ONE, 2017, 12, e0182709.	2.5	112
67	Automatic machine-learning based identification of jogging periods from accelerometer measurements of adolescents under field conditions. PLoS ONE, 2017, 12, e0184216.	2.5	36
68	Association of physical activity with lung function in lung-healthy German adults: results from the KORA FF4 study. BMC Pulmonary Medicine, 2017, 17, 215.	2.0	35
69	Which early life events or current environmental and lifestyle factors influence lung function in adolescents? â€“ results from the GINIplus & LISAplus studies. Respiratory Research, 2017, 18, 138.	3.6	14
70	Transcriptomic analysis comparing mouse strains with extreme total lung capacities identifies novel candidate genes for pulmonary function. Respiratory Research, 2017, 18, 152.	3.6	9
71	Socio-cultural determinants of physical activity across the life course: a â€˜Determinants of Diet and Physical Activityâ€™ (DEDIPAC) umbrella systematic literature review. International Journal of Behavioral Nutrition and Physical Activity, 2017, 14, 173.	4.6	54
72	The contribution of symptoms and comorbidities to the economic impact of COPD: an analysis of the German COSYCONET cohort. International Journal of COPD, 2017, Volume 12, 3437-3448.	2.3	19

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73	Physical activity levels, duration pattern and adherence to WHO recommendations in German adults. PLoS ONE, 2017, 12, e0172503.	2.5	51
74	Accelerometric estimates of physical activity vary unstably with data handling. PLoS ONE, 2017, 12, e0187706.	2.5	8
75	What is the impact of different spirometric criteria on the prevalence of spirometrically defined COPD and its comorbidities? Results from the population-based KORA study. International Journal of COPD, 2016, Volume 11, 1881-1894.	2.3	12
76	Challenges and Opportunities for Harmonizing Research Methodology: Raw Accelerometry. Methods of Information in Medicine, 2016, 55, 525-532.	1.2	40
77	Relative impact of COPD and comorbidities on generic health-related quality of life: a pooled analysis of the COSYCONET patient cohort and control subjects from the KORA and SHIP studies. Respiratory Research, 2016, 17, 81.	3.6	25
78	Physical Activity Levels and Domains Assessed by Accelerometry in German Adolescents from GINIplus and LISAplus. PLoS ONE, 2016, 11, e0152217.	2.5	29
79	Age Dependency of GLI Reference Values Compared with Paediatric Lung Function Data in Two German Studies (GINIplus and LUNOKID). PLoS ONE, 2016, 11, e0159678.	2.5	18
80	Asthma and Rhinitis Are Associated with Less Objectively-Measured Moderate and Vigorous Physical Activity, but Similar Sport Participation, in Adolescent German Boys: GINIplus and LISAplus Cohorts. PLoS ONE, 2016, 11, e0161461.	2.5	14
81	Comment on Expression of Concern: c-Kit Is Essential for Alveolar Maintenance and Protection from Emphysema-like Disease in Mice. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 581-582.	5.6	1
82	Neighbourhood and physical activity in German adolescents: GINIplus and LISAplus. Environmental Research, 2016, 147, 284-293.	7.5	35
83	Physical activity is not associated with spirometric indices in lung-healthy German youth. European Respiratory Journal, 2016, 48, 428-440.	6.7	22
84	The German COPD cohort COSYCONET: Aims, methods and descriptive analysis of the study population at baseline. Respiratory Medicine, 2016, 114, 27-37.	2.9	113
85	Assessing health-related quality of life in COPD: comparing generic and disease-specific instruments with focus on comorbidities. BMC Pulmonary Medicine, 2016, 16, 70.	2.0	81
86	A genome-wide association meta-analysis of diarrhoeal disease in young children identifiesFUT2locus and provides plausible biological pathways. Human Molecular Genetics, 2016, 25, 4127-4142.	2.9	35
87	Heritability and Genome-Wide Association Analyses of Sleep Duration in Children: The EAGLE Consortium. Sleep, 2016, 39, 1859-1869.	1.1	34
88	Using concept mapping in the development of the EU-PAD framework (EUropean-Physical Activity) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.9	58
89	Peak weight velocity in infancy is negatively associated with lung function in adolescence. Pediatric Pulmonology, 2016, 51, 147-156.	2.0	20
90	Early growth characteristics and the risk of reduced lung function and asthma: AÂmeta-analysis of 25,000 children. Journal of Allergy and Clinical Immunology, 2016, 137, 1026-1035.	2.9	154

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91	Metabolomics profiling reveals novel markers for leukocyte telomere length. Aging, 2016, 8, 77-86.	3.1	33
92	Caesarean Section has no impact on lung function at the age of 15 years. Pediatric Pulmonology, 2015, 50, 1262-1269.	2.0	15
93	Sixteen new lung function signals identified through 1000 Genomes Project reference panel imputation. Nature Communications, 2015, 6, 8658.	12.8	108
94	Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. Nature Genetics, 2015, 47, 969-978.	21.4	137
95	Relation of lung function and current inhalant allergen-specific immunoglobulin E concentrations in adolescents (GINIplus cohort). Annals of Allergy, Asthma and Immunology, 2015, 115, 183-190.	1.0	3
96	Characterization of spontaneous air space enlargement in mice lacking microfibrillar-associated protein 4. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 308, L1114-L1124.	2.9	34
97	Molecular mechanisms underlying variations in lung function: a systems genetics analysis. Lancet Respiratory Medicine,the, 2015, 3, 782-795.	10.7	66
98	Integrative pathway genomics of lung function and airflow obstruction. Human Molecular Genetics, 2015, 24, 6836-6848.	2.9	28
99	The association between physical activity and healthcare costs in children â€“ results from the GINIplus and LISAplus cohort studies. BMC Public Health, 2015, 15, 437.	2.9	13
100	Long-term air pollution exposure and lung function in 15 year-old adolescents living in an urban and rural area in Germany: The GINIplus and LISAplus cohorts. International Journal of Hygiene and Environmental Health, 2015, 218, 656-665.	4.3	55
101	Impact of peripheral artery disease on functional capacity in patients with COPD: Results of the COSYCONET study. , 2015, , .		1
102	Sport Engagement by Accelerometry under Field Conditions in German Adolescents: Results from GINIPlus. PLoS ONE, 2015, 10, e0135630.	2.5	20
103	Large-Scale Genome-Wide Association Studies and Meta-Analyses of Longitudinal Change in Adult Lung Function. PLoS ONE, 2014, 9, e100776.	2.5	52
104	Associations between Multiple Accelerometry-Assessed Physical Activity Parameters and Selected Health Outcomes in Elderly People â€“ Results from the KORA-Age Study. PLoS ONE, 2014, 9, e111206.	2.5	24
105	Ultrafine carbon particle mediated cardiovascular impairment of aged spontaneously hypertensive rats. Particle and Fibre Toxicology, 2014, 11, 36.	6.2	19
106	Double tracer gas single-breath washout: reproducibility in healthy subjects and COPD. European Respiratory Journal, 2014, 44, 1210-1222.	6.7	27
107	Effects of ultrafine particles on the allergic inflammation in the lung of asthmatics: results of a double-blinded randomized cross-over clinical pilot study. Particle and Fibre Toxicology, 2014, 11, 39.	6.2	26
108	Online breath gas analysis in unrestrained mice by hs-PTR-MS. Mammalian Genome, 2014, 25, 129-140.	2.2	14

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109	Secreted Phosphoprotein 1 Is a Determinant of Lung Function Development in Mice. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 637-651.	2.9	18
110	Genome-wide association analysis identifies six new loci associated with forced vital capacity. Nature Genetics, 2014, 46, 669-677.	21.4	131
111	Health-related quality of life and chronic obstructive pulmonary disease in early stages â€“ longitudinal results from the population-based KORA cohort in a working age population. BMC Pulmonary Medicine, 2014, 14, 134.	2.0	20
112	Standardized, systemic phenotypic analysis of Slc12a1 I299F mutant mice. Journal of Biomedical Science, 2014, 21, 68.	7.0	6
113	Exploring patterns of accelerometry-assessed physical activity in elderly people. International Journal of Behavioral Nutrition and Physical Activity, 2014, 11, 28.	4.6	32
114	Biokinetics of nanoparticles and susceptibility to particulate exposure in a murine model of cystic fibrosis. Particle and Fibre Toxicology, 2014, 11, 19.	6.2	33
115	Telomere length in circulating leukocytes is associated with lung function and disease. European Respiratory Journal, 2014, 43, 983-992.	6.7	103
116	Physical activity and its correlates in children: a cross-sectional study (the GINIplus & LISAplus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.9	26
117	Multi-morbidity and disability, findings from the KORA-Age study. BMC Proceedings, 2013, 7, S10.	1.6	6
118	Metabolomic markers reveal novel pathways of ageing and early development in human populations. International Journal of Epidemiology, 2013, 42, 1111-1119.	1.9	241
119	Causal and Synthetic Associations of Variants in the SERPINA Gene Cluster with Alpha1-antitrypsin Serum Levels. PLoS Genetics, 2013, 9, e1003585.	3.5	43
120	Chloride transport-driven alveolar fluid secretion is a major contributor to cardiogenic lung edema. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2308-16.	7.1	66
121	Spirometric Reference Values for Advanced Age from a South German Population. Respiration, 2013, 85, 210-219.	2.6	13
122	Standardized, Systemic Phenotypic Analysis of UmodC93F and UmodA227T Mutant Mice. PLoS ONE, 2013, 8, e78337.	2.5	8
123	A Broad Phenotypic Screen Identifies Novel Phenotypes Driven by a Single Mutant Allele in Huntingtonâ€™s Disease CAG Knock-In Mice. PLoS ONE, 2013, 8, e80923.	2.5	36
124	Reference Values of Impulse Oscillometric Lung Function Indices in Adults of Advanced Age. PLoS ONE, 2013, 8, e63366.	2.5	61
125	Physical Activity in German Adolescents Measured by Accelerometry and Activity Diary: Introducing a Comprehensive Approach for Data Management and Preliminary Results. PLoS ONE, 2013, 8, e65192.	2.5	22
126	Nanoparticle delivery in infant lungs. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5092-5097.	7.1	58

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127	Innovations in phenotyping of mouse models in the German Mouse Clinic. Mammalian Genome, 2012, 23, 611-622.	2.2	40
128	Direct medical costs of COPD â€“ An excess cost approach based on two population-based studies. Respiratory Medicine, 2012, 106, 540-548.	2.9	53
129	Mouse Genetics and Metabolic Mouse Phenotyping. , 2012, , 85-106.		1
130	Micron-sized intrapulmonary particle deposition in the developing rat lung. Journal of Applied Physiology, 2012, 112, 759-765.	2.5	0
131	Long-term proteasomal inhibition in transgenic mice by UBB+1 expression results in dysfunction of central respiration control reminiscent of brainstem neuropathology in Alzheimer patients. Acta Neuropathologica, 2012, 124, 187-197.	7.7	33
132	Mouse phenotyping. Methods, 2011, 53, 120-135.	3.8	128
133	Lung function reference values in different German populations. Respiratory Medicine, 2011, 105, 352-362.	2.9	22
134	Exhaled nitric oxide and influencing factors in a random population sample. Respiratory Medicine, 2011, 105, 713-718.	2.9	26
135	The KORA Eye Study: A Population-Based Study on Eye Diseases in Southern Germany (KORA F4). , 2011, 52, 7778.		22
136	The procoagulant effects of fine particulate matter in vivo. Particle and Fibre Toxicology, 2011, 8, 12.	6.2	14
137	High blood pressure, antihypertensive medication and lung function in a general adult population. Respiratory Research, 2011, 12, 50.	3.6	20
138	Impaired resolution of inflammatory response in the lungs of JF1/Msf mice following carbon nanoparticle instillation. Respiratory Research, 2011, 12, 94.	3.6	16
139	c-Kit Is Essential for Alveolar Maintenance and Protection from Emphysema-like Disease in Mice. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 1644-1652.	5.6	31
140	Effect of Five Genetic Variants Associated with Lung Function on the Risk of Chronic Obstructive Lung Disease, and Their Joint Effects on Lung Function. American Journal of Respiratory and Critical Care Medicine, 2011, 184, 786-795.	5.6	128
141	Requirement of the RNA-editing Enzyme ADAR2 for Normal Physiology in Mice. Journal of Biological Chemistry, 2011, 286, 18614-18622.	3.4	91
142	Genome-wide association and large-scale follow up identifies 16 new loci influencing lung function. Nature Genetics, 2011, 43, 1082-1090.	21.4	367
143	Microphthalmia, parkinsonism, and enhanced nociception in Pitx3 416insG mice. Mammalian Genome, 2010, 21, 13-27.	2.2	36
144	Effects of ultrafine particles-induced oxidative stress on Clara cells in allergic lung inflammation. Particle and Fibre Toxicology, 2010, 7, 11.	6.2	35

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145	Cardiovascular and inflammatory effects of intratracheally instilled ambient dust from Augsburg, Germany, in spontaneously hypertensive rats (SHRs). Particle and Fibre Toxicology, 2010, 7, 27.	6.2	34
146	Genome-wide association study identifies five loci associated with lung function. Nature Genetics, 2010, 42, 36-44.	21.4	518
147	Specific CD8 T Cells in IgE-mediated Allergy Correlate with Allergen Dose and Allergic Phenotype. American Journal of Respiratory and Critical Care Medicine, 2010, 181, 7-16.	5.6	23
148	Deducing in Vivo Toxicity of Combustion-Derived Nanoparticles from a Cell-Free Oxidative Potency Assay and Metabolic Activation of Organic Compounds. Environmental Health Perspectives, 2009, 117, 54-60.	6.0	97
149	Superoxide dismutase 3, extracellular (SOD3) variants and lung function. Physiological Genomics, 2009, 37, 260-267.	2.3	38
150	Role of Oxidative Stress in Ultrafine Particleâ€“induced Exacerbation of Allergic Lung Inflammation. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 984-991.	5.6	90
151	Pathway focused protein profiling indicates differential function for IL-1B, -18 and VEGF during initiation and resolution of lung inflammation evoked by carbon nanoparticle exposure in mice. Particle and Fibre Toxicology, 2009, 6, 31.	6.2	31
152	A dose-controlled system for air-liquid interface cell exposure and application to zinc oxide nanoparticles. Particle and Fibre Toxicology, 2009, 6, 32.	6.2	199
153	A Humanized Version of Foxp2 Affects Cortico-Basal Ganglia Circuits in Mice. Cell, 2009, 137, 961-971.	28.9	555
154	In vitro cytotoxic and immunomodulatory profiling of low molecular weight polyethylenimines for pulmonary application. Toxicology in Vitro, 2009, 23, 500-508.	2.4	27
155	Screening strategy to avoid toxicological hazards of inhaled nanoparticles for drug delivery: The use of a-quartz and nano zinc oxide particles as benchmark. Journal of Physics: Conference Series, 2009, 151, 012034.	0.4	12
156	Systemic First-Line Phenotyping. Methods in Molecular Biology, 2009, 530, 463-509.	0.9	70
157	Exposure to ultrafine carbon particles at levels below detectable pulmonary inflammation affects cardiovascular performance in spontaneously hypertensive rats. Particle and Fibre Toxicology, 2008, 5, 19.	6.2	41
158	Pleiotropic effects in Eya3knockout mice. BMC Developmental Biology, 2008, 8, 118.	2.1	35
159	Distribution and Quantity of Contractile Tissue in Postnatal Development of Rat Alveolar Interstitium. Anatomical Record, 2008, 291, 83-93.	1.4	16
160	The Role of Macrophages in the Clearance of Inhaled Ultrafine Titanium Dioxide Particles. American Journal of Respiratory Cell and Molecular Biology, 2008, 38, 371-376.	2.9	205
161	Health Effects of Ambient Particulate Matterâ€"Biological Mechanisms and Inflammatory Responses to In Vitro and In Vivo Particle Exposures. Inhalation Toxicology, 2008, 20, 319-337.	1.6	123
162	A novel assay for the quantification of internalized nanoparticles in macrophages. Nanotoxicology, 2008, 2, 232-242.	3.0	17

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163	Total and Regional Deposition of Ultrafine Particles in a Mouse Model of Allergic Inflammation of the Lung. Inhalation Toxicology, 2008, 20, 585-593.	1.6	29
164	Model for the Deposition of Aerosol Particles in the Respiratory Tract of the Rat. I. Nonhygroscopic Particle Deposition. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2008, 21, 291-308.	1.4	37
165	Postnatal lung function in the developing rat. Journal of Applied Physiology, 2008, 104, 1167-1176.	2.5	33
166	Candidate genes controlling pulmonary function in mice: transcript profiling and predicted protein structure. Physiological Genomics, 2007, 31, 410-421.	2.3	45
167	Chemical Investigation of Eight Different Types of Carbonaceous Particles Using Thermoanalytical Techniques. Environmental Science & Technology, 2007, 41, 8406-8411.	10.0	23
168	Inflammatory Response to TiO 2 and Carbonaceous Particles Scales Best with BET Surface Area. Environmental Health Perspectives, 2007, 115, A290-1; author reply A291-2.	6.0	44
169	Effects of ultrafine carbon particle inhalation on allergic inflammation of the lung. Journal of Allergy and Clinical Immunology, 2006, 117, 824-830.	2.9	147
170	Ultrafine Particles: Geiser et al. Respond. Environmental Health Perspectives, 2006, 114, .	6.0	0
171	Translocation and potential neurological effects of fine and ultrafine particles a critical update. Particle and Fibre Toxicology, 2006, 3, 13.	6.2	454
172	Instillation of Six Different Ultrafine Carbon Particles Indicates a Surface Area Threshold Dose for Acute Lung Inflammation in Mice. Environmental Health Perspectives, 2006, 114, 328-333.	6.0	419
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