

# Holger Schulz

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Ultrafine Particles Cross Cellular Membranes by Nonphagocytic Mechanisms in Lungs and in Cultured Cells. <i>Environmental Health Perspectives</i> , 2005, 113, 1555-1560.	6.0	1,155
2	A Humanized Version of Foxp2 Affects Cortico-Basal Ganglia Circuits in Mice. <i>Cell</i> , 2009, 137, 961-971.	28.9	555
3	Genome-wide association study identifies five loci associated with lung function. <i>Nature Genetics</i> , 2010, 42, 36-44.	21.4	518
4	Translocation and potential neurological effects of fine and ultrafine particles a critical update. <i>Particle and Fibre Toxicology</i> , 2006, 3, 13.	6.2	454
5	Shared genetic origin of asthma, hay fever and eczema elucidates allergic disease biology. <i>Nature Genetics</i> , 2017, 49, 1752-1757.	21.4	432
6	Instillation of Six Different Ultrafine Carbon Particles Indicates a Surface Area Threshold Dose for Acute Lung Inflammation in Mice. <i>Environmental Health Perspectives</i> , 2006, 114, 328-333.	6.0	419
7	Genome-wide association and large-scale follow up identifies 16 new loci influencing lung function. <i>Nature Genetics</i> , 2011, 43, 1082-1090.	21.4	367
8	New genetic signals for lung function highlight pathways and chronic obstructive pulmonary disease associations across multiple ancestries. <i>Nature Genetics</i> , 2019, 51, 481-493.	21.4	350
9	Cardiovascular Effects of Fine and Ultrafine Particles. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2005, 18, 1-22.	1.2	275
10	Genome-wide association analyses for lung function and chronic obstructive pulmonary disease identify new loci and potential druggable targets. <i>Nature Genetics</i> , 2017, 49, 416-425.	21.4	257
11	Metabolomic markers reveal novel pathways of ageing and early development in human populations. <i>International Journal of Epidemiology</i> , 2013, 42, 1111-1119.	1.9	241
12	The Role of Macrophages in the Clearance of Inhaled Ultrafine Titanium Dioxide Particles. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 38, 371-376.	2.9	205
13	A dose-controlled system for air-liquid interface cell exposure and application to zinc oxide nanoparticles. <i>Particle and Fibre Toxicology</i> , 2009, 6, 32.	6.2	199
14	Introducing the German Mouse Clinic: open access platform for standardized phenotyping. <i>Nature Methods</i> , 2005, 2, 403-404.	19.0	176
15	Socio-economic determinants of physical activity across the life course: A "DEterminants of Diet and Physical Activity" (DEDIPAC) umbrella literature review. <i>PLoS ONE</i> , 2018, 13, e0190737.	2.5	175
16	Early growth characteristics and the risk of reduced lung function and asthma: A meta-analysis of 25,000 children. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 1026-1035.	2.9	154
17	Oxidative stress and lipid mediators induced in alveolar macrophages by ultrafine particles. <i>Free Radical Biology and Medicine</i> , 2005, 38, 1080-1092.	2.9	148
18	Effects of ultrafine carbon particle inhalation on allergic inflammation of the lung. <i>Journal of Allergy and Clinical Immunology</i> , 2006, 117, 824-830.	2.9	147

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19	Analysis of mammalian gene function through broad-based phenotypic screens across a consortium of mouse clinics. <i>Nature Genetics</i> , 2015, 47, 969-978.	21.4	137
20	Genome-wide association analysis identifies six new loci associated with forced vital capacity. <i>Nature Genetics</i> , 2014, 46, 669-677.	21.4	131
21	Mouse phenotyping. <i>Methods</i> , 2011, 53, 120-135.	3.8	128
22	Effect of Five Genetic Variants Associated with Lung Function on the Risk of Chronic Obstructive Lung Disease, and Their Joint Effects on Lung Function. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 786-795.	5.6	128
23	Health Effects of Ambient Particulate Matter—Biological Mechanisms and Inflammatory Responses to In Vitro and In Vivo Particle Exposures. <i>Inhalation Toxicology</i> , 2008, 20, 319-337.	1.6	123
24	Ultrafine Particles Exert Prothrombotic but Not Inflammatory Effects on the Hepatic Microcirculation in Healthy Mice In Vivo. <i>Circulation</i> , 2004, 109, 1320-1325.	1.6	119
25	The German COPD cohort COSYCONET: Aims, methods and descriptive analysis of the study population at baseline. <i>Respiratory Medicine</i> , 2016, 114, 27-37.	2.9	113
26	Psychological determinants of physical activity across the life course: A "DEterminants of Diet and Physical ACTivity" (DEDIPAC) umbrella systematic literature review. <i>PLoS ONE</i> , 2017, 12, e0182709.	2.5	112
27	Sixteen new lung function signals identified through 1000 Genomes Project reference panel imputation. <i>Nature Communications</i> , 2015, 6, 8658.	12.8	108
28	Telomere length in circulating leukocytes is associated with lung function and disease. <i>European Respiratory Journal</i> , 2014, 43, 983-992.	6.7	103
29	Behavioral determinants of physical activity across the life course: a "DEterminants of Diet and Physical ACTivity" (DEDIPAC) umbrella systematic literature review. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2017, 14, 58.	4.6	100
30	Deducing <i>in Vivo</i> Toxicity of Combustion-Derived Nanoparticles from a Cell-Free Oxidative Potency Assay and Metabolic Activation of Organic Compounds. <i>Environmental Health Perspectives</i> , 2009, 117, 54-60.	6.0	97
31	Generation and Characterization of dickkopf3 Mutant Mice. <i>Molecular and Cellular Biology</i> , 2006, 26, 2317-2326.	2.3	92
32	Requirement of the RNA-editing Enzyme ADAR2 for Normal Physiology in Mice. <i>Journal of Biological Chemistry</i> , 2011, 286, 18614-18622.	3.4	91
33	Role of Oxidative Stress in Ultrafine Particle-induced Exacerbation of Allergic Lung Inflammation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 179, 984-991.	5.6	90
34	Assessing health-related quality of life in COPD: comparing generic and disease-specific instruments with focus on comorbidities. <i>BMC Pulmonary Medicine</i> , 2016, 16, 70.	2.0	81
35	Peripheral Artery Disease and Its Clinical Relevance in Patients with Chronic Obstructive Pulmonary Disease in the COPD and Systemic Consequences Comorbidities Network Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 189-197.	5.6	81
36	Inbred strain variation in lung function. <i>Mammalian Genome</i> , 2002, 13, 429-437.	2.2	78

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37	Association of Atopic Dermatitis with Cardiovascular Risk Factors and Diseases. <i>Journal of Investigative Dermatology</i> , 2017, 137, 1074-1081.	0.7	73
38	Systemic First-Line Phenotyping. <i>Methods in Molecular Biology</i> , 2009, 530, 463-509.	0.9	70
39	Chronic obstructive pulmonary disease and related phenotypes: polygenic risk scores in population-based and case-control cohorts. <i>Lancet Respiratory Medicine</i> , 2020, 8, 696-708.	10.7	69
40	Electron energy loss spectroscopy for analysis of inhaled ultrafine particles in rat lungs. <i>Microscopy Research and Technique</i> , 2004, 63, 298-305.	2.2	68
41	Chloride transport-driven alveolar fluid secretion is a major contributor to cardiogenic lung edema. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2308-16.	7.1	66
42	Molecular mechanisms underlying variations in lung function: a systems genetics analysis. <i>Lancet Respiratory Medicine</i> , 2015, 3, 782-795.	10.7	66
43	Pulmonary and Systemic Distribution of Inhaled Ultrafine Silver Particles in Rats. <i>Environmental Health Perspectives</i> , 2001, 109, 547.	6.0	64
44	Reference Values of Impulse Oscillometric Lung Function Indices in Adults of Advanced Age. <i>PLoS ONE</i> , 2013, 8, e63366.	2.5	61
45	Nanoparticle delivery in infant lungs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 5092-5097.	7.1	58
46	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
47	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. <i>International Journal of Hygiene and Environmental Health</i> , 2015, 218, 656-665.	4.3	55
48	The Microbiome and Preterm Birth: A Change in Paradigm with Profound Implications for Pathophysiologic Concepts and Novel Therapeutic Strategies. <i>BioMed Research International</i> , 2018, 2018, 1-12.	1.9	55
49	Socio-cultural determinants of physical activity across the life course: a "Determinants of Diet and Physical Activity" (DEDIPAC) umbrella systematic literature review. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2017, 14, 173.	4.6	54
50	Increased Fine Particle Deposition in Women with Asymptomatic Nonspecific Airway Hyperresponsiveness. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1999, 159, 902-906.	5.6	53
51	Direct medical costs of COPD " An excess cost approach based on two population-based studies. <i>Respiratory Medicine</i> , 2012, 106, 540-548.	2.9	53
52	Large-Scale Genome-Wide Association Studies and Meta-Analyses of Longitudinal Change in Adult Lung Function. <i>PLoS ONE</i> , 2014, 9, e100776.	2.5	52
53	Physical activity levels, duration pattern and adherence to WHO recommendations in German adults. <i>PLoS ONE</i> , 2017, 12, e0172503.	2.5	51
54	Epigenome-wide association study of lung function level and its change. <i>European Respiratory Journal</i> , 2019, 54, 1900457.	6.7	49

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55	Cardiovascular Responses in Unrestrained WKY Rats to Inhaled Ultrafine Carbon Particles. <i>Inhalation Toxicology</i> , 2005, 17, 29-42.	1.6	46
56	Candidate genes controlling pulmonary function in mice: transcript profiling and predicted protein structure. <i>Physiological Genomics</i> , 2007, 31, 410-421.	2.3	45
57	Inflammatory Response to TiO <sub>2</sub> and Carbonaceous Particles Scales Best with BET Surface Area. <i>Environmental Health Perspectives</i> , 2007, 115, A290-1; author reply A291-2.	6.0	44
58	Causal and Synthetic Associations of Variants in the SERPINA Gene Cluster with Alpha1-antitrypsin Serum Levels. <i>PLoS Genetics</i> , 2013, 9, e1003585.	3.5	43
59	Relationship between sleep disturbances and multimorbidity among community-dwelling men and women aged 65–93 years: results from the KORA Age Study. <i>Sleep Medicine</i> , 2017, 33, 151-159.	1.6	42
60	Exposure to ultrafine carbon particles at levels below detectable pulmonary inflammation affects cardiovascular performance in spontaneously hypertensive rats. <i>Particle and Fibre Toxicology</i> , 2008, 5, 19.	6.2	41
61	Innovations in phenotyping of mouse models in the German Mouse Clinic. <i>Mammalian Genome</i> , 2012, 23, 611-622.	2.2	40
62	Challenges and Opportunities for Harmonizing Research Methodology: Raw Accelerometry. <i>Methods of Information in Medicine</i> , 2016, 55, 525-532.	1.2	40
63	Genomewide Linkage Analysis Identifies Novel Genetic Loci for Lung Function in Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 171, 880-888.	5.6	38
64	Superoxide dismutase 3, extracellular ( <i>SOD3</i> ) variants and lung function. <i>Physiological Genomics</i> , 2009, 37, 260-267.	2.3	38
65	Early pulmonary response is critical for extra-pulmonary carbon nanoparticle mediated effects: comparison of inhalation versus intra-arterial infusion exposures in mice. <i>Particle and Fibre Toxicology</i> , 2017, 14, 19.	6.2	38
66	Biological determinants of physical activity across the life course: a ‘Determinants of Diet and Physical Activity’ (DEDIPAC) umbrella systematic literature review. <i>Sports Medicine - Open</i> , 2019, 5, 2.	3.1	38
67	Model for the Deposition of Aerosol Particles in the Respiratory Tract of the Rat. I. Nonhygroscopic Particle Deposition. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2008, 21, 291-308.	1.4	37
68	Noninvasive Diagnosis of Emphysema. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1999, 160, 913-918.	5.6	36
69	Micropthalmia, parkinsonism, and enhanced nociception in <i>Pitx3</i> 416insG mice. <i>Mammalian Genome</i> , 2010, 21, 13-27.	2.2	36
70	A Broad Phenotypic Screen Identifies Novel Phenotypes Driven by a Single Mutant Allele in Huntington’s Disease CAG Knock-In Mice. <i>PLoS ONE</i> , 2013, 8, e80923.	2.5	36
71	Evidence for large-scale gene-by-smoking interaction effects on pulmonary function. <i>International Journal of Epidemiology</i> , 2017, 46, dyw318.	1.9	36
72	Automatic machine-learning based identification of jogging periods from accelerometer measurements of adolescents under field conditions. <i>PLoS ONE</i> , 2017, 12, e0184216.	2.5	36

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73	Pleiotropic effects in Eya3knockout mice. <i>BMC Developmental Biology</i> , 2008, 8, 118.	2.1	35
74	Effects of ultrafine particles-induced oxidative stress on Clara cells in allergic lung inflammation. <i>Particle and Fibre Toxicology</i> , 2010, 7, 11.	6.2	35
75	Neighbourhood and physical activity in German adolescents: GINIplus and LISAplus. <i>Environmental Research</i> , 2016, 147, 284-293.	7.5	35
76	A genome-wide association meta-analysis of diarrhoeal disease in young children identifies <i>FUT2</i> locus and provides plausible biological pathways. <i>Human Molecular Genetics</i> , 2016, 25, 4127-4142.	2.9	35
77	Investigating the causal effect of smoking on hay fever and asthma: a Mendelian randomization meta-analysis in the CARTA consortium. <i>Scientific Reports</i> , 2017, 7, 2224.	3.3	35
78	Association of physical activity with lung function in lung-healthy German adults: results from the KORA FF4 study. <i>BMC Pulmonary Medicine</i> , 2017, 17, 215.	2.0	35
79	Airway obstruction and lung hyperinflation in COPD are linked to an impaired left ventricular diastolic filling. <i>Respiratory Medicine</i> , 2018, 137, 14-22.	2.9	35
80	Cardiovascular and inflammatory effects of intratracheally instilled ambient dust from Augsburg, Germany, in spontaneously hypertensive rats (SHRs). <i>Particle and Fibre Toxicology</i> , 2010, 7, 27.	6.2	34
81	Characterization of spontaneous air space enlargement in mice lacking microfibrillar-associated protein 4. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 308, L1114-L1124.	2.9	34
82	Heritability and Genome-Wide Association Analyses of Sleep Duration in Children: The EAGLE Consortium. <i>Sleep</i> , 2016, 39, 1859-1869.	1.1	34
83	Postnatal lung function in the developing rat. <i>Journal of Applied Physiology</i> , 2008, 104, 1167-1176.	2.5	33
84	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. <i>Acta Neuropathologica</i> , 2012, 124, 187-197.	7.7	33
85	Biokinetics of nanoparticles and susceptibility to particulate exposure in a murine model of cystic fibrosis. <i>Particle and Fibre Toxicology</i> , 2014, 11, 19.	6.2	33
86	Metabolomics profiling reveals novel markers for leukocyte telomere length. <i>Aging</i> , 2016, 8, 77-86.	3.1	33
87	Exploring patterns of accelerometry-assessed physical activity in elderly people. <i>International Journal of Behavioral Nutrition and Physical Activity</i> , 2014, 11, 28.	4.6	32
88	Early life determinants induce sustainable changes in the gut microbiome of six-year-old children. <i>Scientific Reports</i> , 2019, 9, 12675.	3.3	32
89	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. <i>Particle and Fibre Toxicology</i> , 2009, 6, 31.	6.2	31
90	c-Kit Is Essential for Alveolar Maintenance and Protection from Emphysema-like Disease in Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 183, 1644-1652.	5.6	31

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91	Metabolomics Identifies Novel Blood Biomarkers of Pulmonary Function and COPD in the General Population. <i>Metabolites</i> , 2019, 9, 61.	2.9	30
92	Total and Regional Deposition of Ultrafine Particles in a Mouse Model of Allergic Inflammation of the Lung. <i>Inhalation Toxicology</i> , 2008, 20, 585-593.	1.6	29
93	Physical Activity Levels and Domains Assessed by Accelerometry in German Adolescents from GINplus and LISApus. <i>PLoS ONE</i> , 2016, 11, e0152217.	2.5	29
94	Protein-coding variants contribute to the risk of atopic dermatitis and skin-specific gene expression. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 1208-1218.	2.9	29
95	Integrative pathway genomics of lung function and airflow obstruction. <i>Human Molecular Genetics</i> , 2015, 24, 6836-6848.	2.9	28
96	In vitro cytotoxic and immunomodulatory profiling of low molecular weight polyethylenimines for pulmonary application. <i>Toxicology in Vitro</i> , 2009, 23, 500-508.	2.4	27
97	Double tracer gas single-breath washout: reproducibility in healthy subjects and COPD. <i>European Respiratory Journal</i> , 2014, 44, 1210-1222.	6.7	27
98	Left ventricular volume and wall stress are linked to lung function impairment in COPD. <i>International Journal of Cardiology</i> , 2018, 261, 172-178.	1.7	27
99	Second-hand smoke exposure in adulthood and lower respiratory health during 20-year follow up in the European Community Respiratory Health Survey. <i>Respiratory Research</i> , 2019, 20, 33.	3.6	27
100	Exhaled nitric oxide and influencing factors in a random population sample. <i>Respiratory Medicine</i> , 2011, 105, 713-718.	2.9	26
101	Physical activity and its correlates in children: a cross-sectional study (the GINplus & LISApus) <i>Tj ETQq1 1 0.784314 rgBJ /Overlo</i>	2.9	26
102	Effects of ultrafine particles on the allergic inflammation in the lung of asthmatics: results of a double-blinded randomized cross-over clinical pilot study. <i>Particle and Fibre Toxicology</i> , 2014, 11, 39.	6.2	26
103	Policy determinants of physical activity across the life course: a "DEDIPAC" umbrella systematic literature review. <i>European Journal of Public Health</i> , 2018, 28, 105-118.	0.3	26
104	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. <i>Respiratory Research</i> , 2016, 17, 81.	3.6	25
105	Malnutrition and related risk factors in older adults from different health-care settings: an <i>enable</i> study. <i>Public Health Nutrition</i> , 2020, 23, 446-456.	2.2	25
106	Associations between Multiple Accelerometry-Assessed Physical Activity Parameters and Selected Health Outcomes in Elderly People " Results from the KORA-Age Study. <i>PLoS ONE</i> , 2014, 9, e111206.	2.5	24
107	Determinants of healthcare utilization and costs in COPD patients: first longitudinal results from the German COPD cohort COSYCONET. <i>International Journal of COPD</i> , 2019, Volume 14, 1423-1439.	2.3	24
108	Chemical Investigation of Eight Different Types of Carbonaceous Particles Using Thermoanalytical Techniques. <i>Environmental Science &amp; Technology</i> , 2007, 41, 8406-8411.	10.0	23



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109	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
110	Lung function reference values in different German populations. Respiratory Medicine, 2011, 105, 352-362.	2.9	22
111	The KORA Eye Study: A Population-Based Study on Eye Diseases in Southern Germany (KORA F4)., 2011, 52, 7778.		22
112	Physical activity is not associated with spirometric indices in lung-healthy German youth. European Respiratory Journal, 2016, 48, 428-440.	6.7	22
113	24h-accelerometry in epidemiological studies: automated detection of non-wear time in comparison to diary information. Scientific Reports, 2017, 7, 2227.	3.3	22
114	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
115	High blood pressure, antihypertensive medication and lung function in a general adult population. Respiratory Research, 2011, 12, 50.	3.6	20
116	Health-related quality of life and chronic obstructive pulmonary disease in early stages “longitudinal results from the population-based KORA cohort in a working age population. BMC Pulmonary Medicine, 2014, 14, 134.	2.0	20
117	Peak weight velocity in infancy is negatively associated with lung function in adolescence. Pediatric Pulmonology, 2016, 51, 147-156.	2.0	20
118	Uni- and triaxial accelerometric signals agree during daily routine, but show differences between sports. Scientific Reports, 2018, 8, 15055.	3.3	20
119	Sport Engagement by Accelerometry under Field Conditions in German Adolescents: Results from GINIPlus. PLoS ONE, 2015, 10, e0135630.	2.5	20
120	Ultrafine carbon particle mediated cardiovascular impairment of aged spontaneously hypertensive rats. Particle and Fibre Toxicology, 2014, 11, 36.	6.2	19
121	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
122	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
123	Meta-analysis of exome array data identifies six novel genetic loci for lung function. Wellcome Open Research, 2018, 3, 4.	1.8	19
124	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
125	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
126	A novel assay for the quantification of internalized nanoparticles in macrophages. Nanotoxicology, 2008, 2, 232-242.	3.0	17



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127	Common eye diseases in older adults of southern Germany: results from the KORA-Age study. <i>Age and Ageing</i> , 2017, 46, 481-486.	1.6	17
128	Handgrip strength is associated with improved spirometry in adolescents. <i>PLoS ONE</i> , 2018, 13, e0194560.	2.5	17
129	Influence of Gas Composition on Convective and Diffusive Intrapulmonary Gas Transport. <i>Experimental Lung Research</i> , 1995, 21, 853-876.	1.2	16
130	Distribution and Quantity of Contractile Tissue in Postnatal Development of Rat Alveolar Interstitium. <i>Anatomical Record</i> , 2008, 291, 83-93.	1.4	16
131	Impaired resolution of inflammatory response in the lungs of JF1/Msf mice following carbon nanoparticle instillation. <i>Respiratory Research</i> , 2011, 12, 94.	3.6	16
132	Caesarean Section has no impact on lung function at the age of 15 years. <i>Pediatric Pulmonology</i> , 2015, 50, 1262-1269.	2.0	15
133	Costs and health-related quality of life in Alpha-1-Antitrypsin Deficient COPD patients. <i>Respiratory Research</i> , 2017, 18, 60.	3.6	15
134	Health-related quality of life associates with change in FEV1 in COPD: results from the COSYCONET cohort. <i>BMC Pulmonary Medicine</i> , 2020, 20, 148.	2.0	15
135	The procoagulant effects of fine particulate matter in vivo. <i>Particle and Fibre Toxicology</i> , 2011, 8, 12.	6.2	14
136	Online breath gas analysis in unrestrained mice by hs-PTR-MS. <i>Mammalian Genome</i> , 2014, 25, 129-140.	2.2	14
137	Asthma and Rhinitis Are Associated with Less Objectively-Measured Moderate and Vigorous Physical Activity, but Similar Sport Participation, in Adolescent German Boys: GINIplus and LISApplus Cohorts. <i>PLoS ONE</i> , 2016, 11, e0161461.	2.5	14
138	Which early life events or current environmental and lifestyle factors influence lung function in adolescents? – results from the GINIplus & LISApplus studies. <i>Respiratory Research</i> , 2017, 18, 138.	3.6	14
139	Association of alcohol consumption with allergic disease and asthma: a multi-centre Mendelian randomization analysis. <i>Addiction</i> , 2019, 114, 216-225.	3.3	14
140	Spirometric Reference Values for Advanced Age from a South German Population. <i>Respiration</i> , 2013, 85, 210-219.	2.6	13
141	The association between physical activity and healthcare costs in children – results from the GINIplus and LISApplus cohort studies. <i>BMC Public Health</i> , 2015, 15, 437.	2.9	13
142	Joint Data Analysis in Nutritional Epidemiology: Identification of Observational Studies and Minimal Requirements. <i>Journal of Nutrition</i> , 2018, 148, 285-297.	2.9	13
143	Association of lung function with overall mortality is independent of inflammatory, cardiac, and functional biomarkers in older adults: the ActiFE-study. <i>Scientific Reports</i> , 2020, 10, 11862.	3.3	13
144	Accelerated epigenetic aging as a risk factor for chronic obstructive pulmonary disease and decreased lung function in two prospective cohort studies. <i>Aging</i> , 2020, 12, 16539-16554.	3.1	13

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145	Screening strategy to avoid toxicological hazards of inhaled nanoparticles for drug delivery: The use of a-quartz and nano zinc oxide particles as benchmark. <i>Journal of Physics: Conference Series</i> , 2009, 151, 012034.	0.4	12
146	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. <i>International Journal of COPD</i> , 2016, Volume 11, 1881-1894.	2.3	12
147	Higher serum 25(OH)D concentrations are associated with improved FEV <sub>1</sub> and FVC in adolescence. <i>European Respiratory Journal</i> , 2017, 49, 1601804.	6.7	12
148	Is There an Association between Asthma and Dental Caries and Molar Incisor Hypomineralisation?. <i>Caries Research</i> , 2020, 54, 87-95.	2.0	12
149	Air pollution during infancy and lung function development into adolescence: The GINIplus/LISA birth cohorts study. <i>Environment International</i> , 2021, 146, 106195.	10.0	12
150	Meta-analysis of exome array data identifies six novel genetic loci for lung function. <i>Wellcome Open Research</i> , 0, 3, 4.	1.8	11
151	Labeled carbon dioxide (C18O <sub>2</sub> ): an indicator gas for phase II in expirograms. <i>Journal of Applied Physiology</i> , 2004, 97, 1755-1762.	2.5	10
152	Physical activity, subjective sleep quality and time in bed do not vary by moon phase in German adolescents. <i>Journal of Sleep Research</i> , 2017, 26, 371-376.	3.2	10
153	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. <i>Science of the Total Environment</i> , 2021, 763, 143006.	8.0	10
154	Lung Volume Is a Determinant of Aerosol Bolus Dispersion. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2003, 16, 255-262.	1.2	9
155	Male sex and poverty predict abrupt health decline: Deficit accumulation patterns and trajectories in the KORA-Age cohort study. <i>Preventive Medicine</i> , 2017, 102, 31-38.	3.4	9
156	Transcriptomic analysis comparing mouse strains with extreme total lung capacities identifies novel candidate genes for pulmonary function. <i>Respiratory Research</i> , 2017, 18, 152.	3.6	9
157	Activation of immune cell proteasomes in peripheral blood of smokers and COPD patients - implications for therapy. <i>European Respiratory Journal</i> , 2021, , 2101798.	6.7	9
158	Standardized, Systemic Phenotypic Analysis of UmodC93F and UmodA227T Mutant Mice. <i>PLoS ONE</i> , 2013, 8, e78337.	2.5	8
159	Direct healthcare costs associated with device assessed and self-reported physical activity: results from a cross-sectional population-based study. <i>BMC Public Health</i> , 2018, 18, 966.	2.9	8
160	Association between objectively assessed physical activity and sleep quality in adolescence. Results from the GINIplus and LISA studies. <i>Sleep Medicine</i> , 2020, 72, 65-74.	1.6	8
161	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. <i>Journal of Nutrition</i> , 2021, 151, 2317-2329.	2.9	8
162	Accelerometric estimates of physical activity vary unstably with data handling. <i>PLoS ONE</i> , 2017, 12, e0187706.	2.5	8

#	ARTICLE	IF	CITATIONS
163	Association of Dietary Fatty Acids with Blood Lipids is Modified by Physical Activity in Adolescents: Results from the GINIplus and LISA Birth Cohort Studies. <i>Nutrients</i> , 2018, 10, 1372.	4.1	7
164	Lung function and oral health in adolescents. <i>European Respiratory Journal</i> , 2019, 53, 1801951.	6.7	7
165	Multi-morbidity and disability, findings from the KORA-Age study. <i>BMC Proceedings</i> , 2013, 7, S10.	1.6	6
166	Standardized, systemic phenotypic analysis of Slc12a1 I299F mutant mice. <i>Journal of Biomedical Science</i> , 2014, 21, 68.	7.0	6
167	Influence of body mass on predicted values of static hyperinflation in COPD. <i>International Journal of COPD</i> , 2018, Volume 13, 2551-2555.	2.3	5
168	Dietary saturated fat and low-grade inflammation modified by accelerometer-measured physical activity in adolescence: results from the GINIplus and LISA birth cohorts. <i>BMC Public Health</i> , 2019, 19, 818.	2.9	5
169	Automated MR-based lung volume segmentation in population-based whole-body MR imaging: correlation with clinical characteristics, pulmonary function testing and obstructive lung disease. <i>European Radiology</i> , 2019, 29, 1595-1606.	4.5	5
170	Living longer but less healthy: The female disadvantage in health expectancy. Results from the KORA-Age study. <i>Experimental Gerontology</i> , 2021, 145, 111196.	2.8	5
171	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. <i>Scientific Reports</i> , 2021, 11, 16173.	3.3	5
172	Homeobox, Wnt, and Fibroblast Growth Factor Signaling is Augmented During Alveogenesis in Mice Lacking Superoxide Dismutase 3, Extracellular. <i>Lung</i> , 2017, 195, 263-270.	3.3	4
173	Heterogeneous pattern of differences in respiratory parameters between elderly with either good or poor FEV1. <i>BMC Pulmonary Medicine</i> , 2018, 18, 27.	2.0	4
174	The Role of Early Life Food Sensitization in Adolescent Lung Function: Results from 2 Birth Cohort Studies. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2019, 7, 1825-1834.e12.	3.8	4
175	Long-term Air Pollution Exposure Under European Union Limits and Adolescents' Lung Function. <i>Chest</i> , 2021, 160, 249-258.	0.8	4
176	Relation of lung function and current inhalant allergen-specific immunoglobulin E concentrations in adolescents (GINIplus cohort). <i>Annals of Allergy, Asthma and Immunology</i> , 2015, 115, 183-190.	1.0	3
177	Muscular Strength is Independently Associated with Cystatin C: The KORA-Age Study. <i>International Journal of Sports Medicine</i> , 2018, 39, 225-231.	1.7	3
178	Ultrafine Particles: Geiser et al. Respond. <i>Environmental Health Perspectives</i> , 2006, 114, A212-A213.	6.0	3
179	Differential effects of lung inflammation on insulin resistance in humans and mice. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2022, 77, 2482-2497.	5.7	3
180	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. <i>Quality of Life Research</i> , 2018, 27, 735-745.	3.1	2

#	ARTICLE	IF	CITATIONS
181	Rare and low-frequency exonic variants and gene-by-smoking interactions in pulmonary function. <i>Scientific Reports</i> , 2021, 11, 19365.	3.3	2
182	Blood Immunoproteasome Activity Is Regulated by Sex, Age and in Chronic Inflammatory Diseases: A First Population-Based Study. <i>Cells</i> , 2021, 10, 3336.	4.1	2
183	Low leptin levels are associated with elevated physical activity among lean school children in rural Tanzania. <i>BMC Public Health</i> , 2022, 22, 933.	2.9	2
184	Mouse Genetics and Metabolic Mouse Phenotyping. , 2012, , 85-106.		1
185	Comment on Expression of Concern: c-Kit Is Essential for Alveolar Maintenance and Protection from Emphysema-like Disease in Mice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 581-582.	5.6	1
186	Impact of peripheral artery disease on functional capacity in patients with COPD: Results of the COSYCONET study. , 2015, , .		1
187	Meta-analysis of exome array data identifies six novel genetic loci for lung function. <i>Wellcome Open Research</i> , 0, 3, 4.	1.8	1
188	Whole-Body MRI-Derived Adipose Tissue Characterization and Relationship to Pulmonary Function Impairment. <i>Tomography</i> , 2022, 8, 560-569.	1.8	1
189	Ultrafine Particles: Geiser et al. Respond. <i>Environmental Health Perspectives</i> , 2006, 114, .	6.0	0
190	Micron-sized intrapulmonary particle deposition in the developing rat lung. <i>Journal of Applied Physiology</i> , 2012, 112, 759-765.	2.5	0
191	Physical activity may modify the association between saturated fat intake and blood lipids in adolescents. , 2018, , .		0