

Jeroen Buters

List of Publications by Year in descending order

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103
papers

5,939
citations

94433

37
h-index

76900

74
g-index

113
all docs

113
docs citations

113
times ranked

6551
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of Volatile and Semi-volatile Organic Compounds from Farming Environments on Allergy-Related Cellular Processes. <i>Exposure and Health</i> , 2022, 14, 185-201.	4.9	1
2	Non-pharmacological interventions for pollen-induced allergic symptoms: Systematic literature review. <i>Pediatric Allergy and Immunology</i> , 2022, 33, .	2.6	3
3	Impact of Local Grasslands on Wild Grass Pollen Emission in Bavaria, Germany. <i>Land</i> , 2022, 11, 306.	2.9	3
4	Allergie im Fokus: Umwelt, Klimawandel, Exposition – Einfluss auf allergische Erkrankungen – 13./14. Mai 2022, Berlin. <i>Allergologie</i> , 2022, 45, 211-217.	0.1	0
5	The priming effect of diesel exhaust on native pollen exposure at the air-liquid interface. <i>Environmental Research</i> , 2022, 211, 112968.	7.5	5
6	Effect of air filtration on house dust mite, cat and dog allergens and particulate matter in homes. <i>Clinical and Translational Allergy</i> , 2022, 12, e12137.	3.2	7
7	Cabbage and fermented vegetables: From death rate heterogeneity in countries to candidates for mitigation strategies of severe COVID-19. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 735-750.	5.7	83
8	Consequences of climate change on airborne pollen in Bavaria, Central Europe. <i>Regional Environmental Change</i> , 2021, 21, 1.	2.9	26
9	A systematic review of threshold values of pollen concentrations for symptoms of allergy. <i>Aerobiologia</i> , 2021, 37, 395-424.	1.7	12
10	Threshold values of grass pollen (Poaceae) concentrations and increase in emergency department visits, hospital admissions, drug consumption and allergic symptoms in patients with allergic rhinitis: a systematic review. <i>Aerobiologia</i> , 2021, 37, 633-662.	1.7	6
11	Effects of future climate change on birch abundance and their pollen load. <i>Global Change Biology</i> , 2021, 27, 5934-5949.	9.5	33
12	Dosing intact birch pollen grains at the air-liquid interface (ALI) to the immortalized human bronchial epithelial cell line BEAS-2B. <i>PLoS ONE</i> , 2021, 16, e0259914.	2.5	5
13	The role of mobile health technologies in allergy care: An EAACI position paper. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 259-272.	5.7	95
14	Pollen season is reflected on symptom load for grass and birch pollen-induced allergic rhinitis in different geographic areas – An EAACI Task Force Report. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 1099-1106.	5.7	34
15	An operational robotic pollen monitoring network based on automatic image recognition. <i>Environmental Research</i> , 2020, 191, 110031.	7.5	48
16	Nrf2-interacting nutrients and COVID-19: time for research to develop adaptation strategies. <i>Clinical and Translational Allergy</i> , 2020, 10, 58.	3.2	56
17	Understanding hourly patterns of Olea pollen concentrations as tool for the environmental impact assessment. <i>Science of the Total Environment</i> , 2020, 736, 139363.	8.0	11
18	Is diet partly responsible for differences in COVID-19 death rates between and within countries?. <i>Clinical and Translational Allergy</i> , 2020, 10, 16.	3.2	97

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19	Influence of wood species on toxicity of log-wood stove combustion aerosols: a parallel animal and air-liquid interface cell exposure study on spruce and pine smoke. <i>Particle and Fibre Toxicology</i> , 2020, 17, 27.	6.2	38
20	Land-Use and Height of Pollen Sampling Affect Pollen Exposure in Munich, Germany. <i>Atmosphere</i> , 2020, 11, 145.	2.3	26
21	The development of birch pollen seasons over 30 years in Munich, Germany – An EAACI Task Force report*. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 3024-3026.	5.7	9
22	High post-season <i>Alnus</i> pollen loads successfully identified as long-range transport of an alpine species. <i>Atmospheric Environment</i> , 2020, 231, 117453.	4.1	16
23	Allergen immunotherapy in the current COVID-19 pandemic: A position paper of AeDA, ARIA, EAACI, DGAKI and GPA. <i>Allergologie Select</i> , 2020, 4, 44-52.	3.1	23
24	Anwendung von Biologika bei allergischen und Typ-2-entzündlichen Erkrankungen in der aktuellen COVID-19-Pandemie – ein Positionspapier von AeDA, DGAKI, GPA, A-GAI, LGAI, A-GP, ARIA und EAACI. <i>Allergologie</i> , 2020, 43, 255-271.	0.1	9
25	Use of biologicals in allergic and type-2 inflammatory diseases during the current COVID-19 pandemic. <i>Allergologie Select</i> , 2020, 4, 53-68.	3.1	38
26	Perspektiven für ein bundesweites Pollenmonitoring in Deutschland – Fachübergreifender Arbeitskreis – Bundesweites Pollenmonitoring. <i>Allergologie</i> , 2020, 43, 111-124.	0.1	2
27	<i>Artemisia</i> pollen is the main vector for airborne endotoxin. <i>Journal of Allergy and Clinical Immunology</i> , 2019, 143, 369-377.e5.	2.9	50
28	Predicting the start, peak and end of the <i>Betula</i> pollen season in Bavaria, Germany. <i>Science of the Total Environment</i> , 2019, 690, 1299-1309.	8.0	22
29	Building an automatic pollen monitoring network (ePIN): Selection of optimal sites by clustering pollen stations. <i>Science of the Total Environment</i> , 2019, 688, 1263-1274.	8.0	40
30	Near-ground effect of height on pollen exposure. <i>Environmental Research</i> , 2019, 174, 160-169.	7.5	58
31	An abbreviated method for the quality control of pollen counters. <i>Grana</i> , 2019, 58, 185-190.	0.8	13
32	Spatial interpolation of current airborne pollen concentrations where no monitoring exists. <i>Atmospheric Environment</i> , 2019, 199, 435-442.	4.1	17
33	Next-generation pollen monitoring and dissemination. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2018, 73, 1944-1945.	5.7	14
34	Definition von Pollenexpositionszeiten für klinische Studien zur Allergen-Immuntherapie bei polleninduzierter Rhinokonjunktivitis – ein EAACI-Positionspapier. <i>Allergologie</i> , 2018, 41, 386-399.	0.1	1
35	Chromium(VI) Contact Dermatitis: Getting Closer to Understanding the Underlying Mechanisms of Toxicity and Sensitization!. <i>Journal of Investigative Dermatology</i> , 2017, 137, 274-277.	0.7	35
36	Defining pollen exposure times for clinical trials of allergen immunotherapy for pollen-induced rhinoconjunctivitis – an EAACI position paper. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2017, 72, 713-722.	5.7	118

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37	Errors in determining the flow rate of Hirst-type pollen traps. <i>Aerobiologia</i> , 2017, 33, 201-210.	1.7	38
38	A minimal-invasive method for systemic bio-monitoring of the environmental pollutant phenanthrene in humans: Thermal extraction and gas chromatography- ¹³ C mass spectrometry from 1 mL capillary blood. <i>Journal of Chromatography A</i> , 2017, 1487, 254-257.	3.7	9
39	Metabolic Profiling as Well as Stable Isotope Assisted Metabolic and Proteomic Analysis of RAW 264.7 Macrophages Exposed to Ship Engine Aerosol Emissions: Different Effects of Heavy Fuel Oil and Refined Diesel Fuel. <i>PLoS ONE</i> , 2016, 11, e0157964.	2.5	29
40	Toxicity testing of combustion aerosols at the air-liquid interface with a self-contained and easy-to-use exposure system. <i>Journal of Aerosol Science</i> , 2016, 96, 38-55.	3.8	56
41	Allergenexposition – wie kann man Inhalationsallergene an Arbeitsplätzen und in der Umwelt messen? Zusammenfassung des EAACI Positionspapier zum Allergenmonitoring. <i>Allergologie</i> , 2016, 39, 45-68.	0.1	1
42	Ein allergiefreundliches städtisches Umfeld. <i>Allergologie</i> , 2016, 39, 210.	0.1	0
43	Pollen-derived nonallergenic substances enhance Th2-induced IgE production in B cells. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2015, 70, 1450-1460.	5.7	30
44	<i>Ambrosia artemisiifolia</i> (ragweed) in Germany – current presence, allergological relevance and containment procedures. <i>Allergo Journal International</i> , 2015, 24, 108-120.	2.0	36
45	Variation of the group 5 grass pollen allergen content of airborne pollen in relation to geographic location and time in season. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 87-95.e6.	2.9	155
46	Automatic and Online Pollen Monitoring. <i>International Archives of Allergy and Immunology</i> , 2015, 167, 158-166.	2.1	118
47	Optimizing of the basophil activation test: Comparison of different basophil identification markers. , 2015, 88, 183-189.		22
48	Particulate Matter from Both Heavy Fuel Oil and Diesel Fuel Shipping Emissions Show Strong Biological Effects on Human Lung Cells at Realistic and Comparable In Vitro Exposure Conditions. <i>PLoS ONE</i> , 2015, 10, e0126536.	2.5	111
49	Pollen, Allergene, Schimmelsporen und Bakterien in der Außenluft. <i>Allergologie</i> , 2015, 38, 590-596.	0.1	1
50	Environmental Pollution and Allergy: Historical Aspects. <i>Chemical Immunology and Allergy</i> , 2014, 100, 268-277.	1.7	25
51	Influence of alpine mountain climate of Bavaria on patients with atopic diseases: studies at the Environmental Research Station Schneefernerhaus (UFS – Zugspitze) – a pilot study. <i>Clinical and Translational Allergy</i> , 2014, 4, 17.	3.2	4
52	Monitoring of occupational and environmental aeroallergens – EAACI Position Paper. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2014, 69, 1280-1299.	5.7	64
53	The Macroecology of Airborne Pollen in Australian and New Zealand Urban Areas. <i>PLoS ONE</i> , 2014, 9, e97925.	2.5	58
54	Particulate and Pollen Interactions. , 2014, , 497-507.		1

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55	GSTM1, GSTT1 and GSTP1 gene polymorphism in polymorphous light eruption. Journal of the European Academy of Dermatology and Venereology, 2013, 27, 157-162.	2.4	12
56	The future of pollen counting. Allergo Journal, 2013, 22, 493-494.	0.1	0
57	Equine cytochrome P450 2B6 " Genomic identification, expression and functional characterization with ketamine. Toxicology and Applied Pharmacology, 2013, 266, 101-108.	2.8	10
58	Airborne olive pollen counts are not representative of exposure to the major olive allergen <sc>O</sc>le e 1. Allergy: European Journal of Allergy and Clinical Immunology, 2013, 68, 809-812.	5.7	79
59	High Environmental Ozone Levels Lead to Enhanced Allergenicity of Birch Pollen. PLoS ONE, 2013, 8, e80147.	2.5	147
60	Monitoring, Modelling and Forecasting of the Pollen Season. , 2013, , 71-126.		39
61	Impact of Pollen. , 2013, , 161-215.		63
62	Haut und Umwelt. Fortschritte Der Praktischen Dermatologie Und Venerologie, 2013, , 286-296.	0.0	0
63	Airborne Indoor Particles from Schools Are More Toxic than Outdoor Particles. American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 575-582.	2.9	45
64	Spatio-temporal investigation of flowering dates and pollen counts in the topographically complex Zugspitze area on the German "Austrian border. Aerobiologia, 2012, 28, 541-556.	1.7	30
65	Research needs in allergy: an EAACI position paper, in collaboration with EFA. Clinical and Translational Allergy, 2012, 2, 21.	3.2	127
66	Toxicity and elemental composition of particulate matter from outdoor and indoor air of elementary schools in Munich, Germany. Indoor Air, 2012, 22, 148-158.	4.3	102
67	rAAV2-mediated restoration of LEKTI in LEKTI-deficient cells from Netherton patients. Journal of Dermatological Science, 2011, 61, 194-198.	1.9	27
68	Danger from the workplace: allergic contact dermatitis from the first exposure to isothiazolinones. Contact Dermatitis, 2011, 64, 361-362.	1.4	6
69	Expression of CYP450-2E1 and formation of 2,3-epoxymethacrylic acid (2,3-EMA) in human oral cells exposed to dental materials. Dental Materials, 2010, 26, 1151-1156.	3.5	17
70	Metabolic activation of phenanthrene by human and mouse cytochromes P450 and pharmacokinetics in CYP1A2 knockout mice. Chemico-Biological Interactions, 2010, 183, 57-66.	4.0	36
71	Human mast cells express androgen receptors but treatment with testosterone exerts no influence on IgE-independent mast cell degranulation elicited by neuromuscular blocking agents. Experimental Dermatology, 2010, 19, 302-304.	2.9	82
72	The allergen Bet v 1 in fractions of ambient air deviates from birch pollen counts. Allergy: European Journal of Allergy and Clinical Immunology, 2010, 65, 850-858.	5.7	113

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73	Impact of Urbanization on the Proteome of Birch Pollen and Its Chemotactic Activity on Human Granulocytes. <i>International Archives of Allergy and Immunology</i> , 2010, 151, 46-55.	2.1	52
74	Differential Impact of Diesel Particle Composition on Pro-allergic Dendritic Cell Function. <i>Toxicological Sciences</i> , 2010, 113, 85-94.	3.1	29
75	Contact anaphylaxis and protein contact dermatitis in a cook handling chicory leaves. <i>Contact Dermatitis</i> , 2009, 60, 226-227.	1.4	31
76	Year-to-Year Variation in Release of Bet v 1 Allergen from Birch Pollen: Evidence for Geographical Differences between West and South Germany. <i>International Archives of Allergy and Immunology</i> , 2008, 145, 122-130.	2.1	77
77	Environmental Polycyclic Aromatic Hydrocarbons (PAHs) Enhance Allergic Inflammation by Acting on Human Basophils. <i>Inhalation Toxicology</i> , 2007, 19, 151-156.	1.6	33
78	Toxicity of Parked Motor Vehicle Indoor Air. <i>Environmental Science & Technology</i> , 2007, 41, 2622-2629.	10.0	25
79	Identification of 2,3-epoxymethacrylic acid as an intermediate in the metabolism of dental materials in human liver microsomes. <i>Dental Materials</i> , 2007, 23, 9-16.	3.5	41
80	Effective Strategies for Tumors Affecting Chemopreventive Metabolism. <i>Clinical Cancer Research</i> , 2006, 12, 7203-7204.	7.0	0
81	Organic Extracts of Urban Aerosol (â%PM2.5) Enhance rBet v 1-Induced Upregulation of CD63 in Basophils from Birch Pollen-Allergic Individuals. <i>Toxicological Sciences</i> , 2006, 90, 377-384.	3.1	24
82	Importance of NO/cGMP signalling via cGMP-dependent protein kinase II for controlling emotionality and neurobehavioural effects of alcohol. <i>European Journal of Neuroscience</i> , 2004, 20, 3498-3506.	2.6	60
83	CYP1B1 determines susceptibility to low doses of 7,12-dimethylbenz[a]anthracene-induced ovarian cancers in mice: correlation of CYP1B1-mediated DNA adducts with carcinogenicity. <i>Carcinogenesis</i> , 2003, 24, 327-334.	2.8	106
84	Cytochrome P450 1B1 Determines Susceptibility to Dibenzo[<i>a,h</i>]pyrene-Induced Tumor Formation. <i>Chemical Research in Toxicology</i> , 2002, 15, 1127-1135.	3.3	96
85	Differences in caffeine and paraxanthine metabolism between human and murine CYP1A2. <i>Biochemical Pharmacology</i> , 2002, 63, 2159-2167.	4.4	22
86	Cytochrome P450 CYP1B1 determines susceptibility to 7,12-dimethylbenz[a]anthracene-induced lymphomas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 1977-1982.	7.1	357
87	MOLECULAR STUDIES ON THE TOXIFYING EFFECTS BY GENETICALLY ENGINEERED CYTOCHROMES P450. <i>Drug Metabolism Reviews</i> , 1999, 31, 423-435.	3.6	21
88	CYTOCHROME P450-NUL MICE. <i>Drug Metabolism Reviews</i> , 1999, 31, 437-447.	3.6	30
89	Protection against Acetaminophen Toxicity in CYP1A2 and CYP2E1 Double-Null Mice. <i>Toxicology and Applied Pharmacology</i> , 1998, 152, 193-199.	2.8	288
90	Inhibitory Monoclonal Antibody to Human Cytochrome P450 2B6. <i>Biochemical Pharmacology</i> , 1998, 55, 1633-1640.	4.4	42

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91	Differential Mechanisms of Cytochrome P450 Inhibition and Activation by Î±-Naphthoflavone. Journal of Biological Chemistry, 1997, 272, 3149-3152.	3.4	117
92	Paclitaxel-resistant Human Ovarian Cancer Cells Have Mutant Î²-Tubulins That Exhibit Impaired Paclitaxel-driven Polymerization. Journal of Biological Chemistry, 1997, 272, 17118-17125.	3.4	604
93	Considerations on Genetic and Environmental Factors That Contribute to Resistance or Sensitivity of Mammals Including Humans to Toxicity of 2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD) and Related Compounds. Ecotoxicology and Environmental Safety, 1997, 36, 213-230.	6.0	23
94	Human Cytochrome P450 2E1 Is a Major Autoantigen Associated with Halothane Hepatitis. Chemical Research in Toxicology, 1996, 9, 1159-1166.	3.3	193
95	Role of CYP2E1 in the Hepatotoxicity of Acetaminophen. Journal of Biological Chemistry, 1996, 271, 12063-12067.	3.4	557
96	Interaction of Polycyclic Aromatic Hydrocarbons with Human Cytochrome P450 1A1: A CO Flash Photolysis Study. Archives of Biochemistry and Biophysics, 1996, 336, 261-267.	3.0	7
97	CO Binding Kinetics of Human Cytochrome P450 3A4. Journal of Biological Chemistry, 1995, 270, 5014-5018.	3.4	77
98	Cytochrome P450 2A1, 2E1, and 2C9 cDNA-expression by insect cells and partial purification using hydrophobic chromatography. Biochemical Pharmacology, 1995, 50, 1509-1515.	4.4	15
99	Inhibitory and non-inhibitory monoclonal antibodies to human cytochrome P450 3A3/4. Biochemical Pharmacology, 1995, 50, 1841-1850.	4.4	42
100	A highly sensitive tool for the assay of cytochrome P450 enzyme activity in rat, dog and man. Biochemical Pharmacology, 1993, 46, 1577-1584.	4.4	103
101	Metabolism of antipyrine in vivo in two rat models of liver cirrhosis its relationship to intrinsic clearance in vitro and microsomal membrane lipid composition. Biochemical Pharmacology, 1993, 46, 983-991.	4.4	21
102	Abnormal lipid composition of microsomes from cirrhotic rat liver“does it contribute to decreased microsomal function?. Experientia, 1992, 48, 482-486.	1.2	29
103	Sex difference in antipyrine 3-hydroxylation. Biochemical Pharmacology, 1990, 40, 771-777.	4.4	14