

# Neue Publikationen aus dem IPA

1. Aweimer A, Petschulat L, Jettkant B, Köditz R, Finkeldei J, Dietrich JW, Breuer T, Draese C, Frey UH, Rahmel T, Adamzik M, Buchwald D, Useini D, Brechmann T, Hosbach I, Bünger J, Ewers A, El-Battrawy I, Mügge A. Mortality rates of severe COVID-19-related respiratory failure with and without extracorporeal membrane oxygenation in the Middle Ruhr Region of Germany. *Sci Rep* 2023; 13: 6442 doi: 10.1038/s41598-023-33475-7
2. Berresheim H, Beine A, van Kampen V, Lehnert M, Nöllenheidt C, Brüning T, Hoffmeyer F. ATS/ ERS spirometry quality criteria in real life. Results of two occupational field studies. *Respir Physiol Neurobiol* 2023; 315: 104094 doi: 10.1016/j.resp.2023.104094
3. Burns JS, Bather JR, Sergeev O, Lee MM, Korrick SA, Sokolov S, Kovalev S, Koch HM, Lebedev AT, Minguez-Alarcón L, Hauser R, Williams PL. Longitudinal association of prepubertal urinary phthalate metabolite concentrations with pubertal progression among a cohort of boys. *Environ Res* 2023; 233: 116330 doi: 10.1016/j.envres.2023.116330
4. Casjens S, Neumann S, Rühle K, Gamrad-Streubel L, Haase L-M, Rudolph KK, Birk T, Giesen J, Neumann V, Pallapies D, Bünger J, Käfferlein HU, Behrens T, Brüning T, Taeger D. Impact of diesel exhaust exposure on urinary 1-hydroxypyrene in underground salt and potash workers. *Int J Hyg Environ Health* 2023; 251: 114190 doi: 10.1016/j.ijheh.2023.114190
5. Doyen V, Kespohl S, Sohy C, Jadot I, Riffart C, Thimpont J, Lovinfosse S de, Raulf M, Vandenplas O. Eosinophilic Occupational Asthma Caused by Padauk Wood Dust. *J Allergy Clin Immunol In practice* 2023; Online ahead of Print doi: 10.1016/j.jaip.2023.06.024
6. Dramburg S, Hilger C, Santos AF, de las Vecillas L, ..., Kespohl S, ..., Raulf M, Rougé P, Sastre J, Sato S, Scala E, Schmid JM, Schmid-Grendelmeier P, Schrama D, Sénéchal H, Traidl-Hoffmann C, Valverde-Monge M, van Hage M, van Ree R, Verhoeckx K, Vieths S, Wickman M, Zakzuk J, Matricardi PM, Hoffmann-Sommergruber K. EAAI Molecular Allergy User's Guide 2.0. *Pediatr Allergy Immunol* 2023; 34 doi: 10.1111/pai.13854
7. Figlioli G, Billaud A, ... B, Brüning T, Camp NJ, Campbell A, ..., Chang-Claude J, Milne RL, Peterlongo P. Spectrum and Frequency of Germline FANCM Protein-Truncating Variants in 44,803 European Female Breast Cancer Cases. *Cancers* 2023; 15 doi: 10.3390/cancers15133313
8. Gabriel S, Arnone M, Hanke-Roos M, Taeger D, Schneider G. Der GDA Gefahrstoff-Check: Mit Praxisbeispielen zum Erfolg. *Gefahrstoffe – Reinhaltung der Luft* 2023; 83: 89–92
9. Geier J, Dickel H, Schröder-Kraft C, Gina M, Simon D, Weisshaar E, Lang C, Brans R, Bauer A, Löffler H, Schubert S. 2,4,6-Tris(dimethylaminomethyl)phenol: The allergen which came in from the cold. *Contact Dermatitis* 2023; 88: 316–318 doi: 10.1111/cod.14268
10. Kespohl S, Warfolomeow I, Merget R, Brüning T, Raulf M. Hypersensitivity pneumonitis due to metal working fluids: detection of specific IgG antibodies to microbial antigens. *Respir Physiol Neurobiol*; 2023; 315: 104107 doi: 10.1016/j.resp.2023.104107
11. Marek EM, van Kampen V, Jettkant B, Kendzia B, Strauß B, Sucker K, Ulbrich M, Deckert A, Berresheim H, Eisenhawer C, Hoffmeyer F, Weidhaas S, Behrens T, Brüning T, Bünger J. Effects of wearing different face masks on cardiopulmonary performance at rest and exercise in a partially double-blinded randomized cross-over study. *Sci Rep* 2023; 13: 6950 doi: 10.1038/s41598-023-32180-9
12. Miguères N, Vandenplas O, Walusiak-Skorupa J, Munoz X, Suojalehto H, van Kampen V, Mason P, Quirce S, Blay F de. Work-related dysphonia in subjects with occupational asthma is associated with neutrophilic airway inflammation. *Clin Transl Allergy* 2023; 13 doi: 10.1002/clt2.12218
13. Monsé C, Merget R, Bünger J, Pallapies D, Brüning T. Systemic inflammatory effects of zinc oxide particles: is a re-evaluation of exposure limits needed? *Arch Toxicol* 2023; Online ahead of print doi: 10.1007/s00204-023-03567-4

14. Monsé C, Möhlmann C, Gasse B, Kaiser J, Bünger J, Brüning T, Mattenklott M. Generierung und Charakterisierung von Partikelatmosphären im ExpoLab für Inhalationsstudien am Menschen. *Gefahrstoffe – Reinhaltung der Luft* 2023; 83: 61-68
15. Nübler S, Esteban López M, Castaño A, Mol HGJ, Müller J, Schäfer M, Haji-Abbas-Zarrabi K, Hajslova J, Pulkrabova J, Dvorakova D, Urbancova K, Koch HM, Antignac J-P, Sakhi AK, Vorkamp K, Burkhardt T, Scherer M, Göen T. External Quality Assurance Schemes (EQUASs) and Inter-laboratory Comparison Investigations (ICIs) for human biomonitoring of polycyclic aromatic hydrocarbon (PAH) biomarkers in urine as part of the quality assurance programme under HBM4EU. *Int J Hyg Environ Health* 2023; 250: 114169 doi: 10.1016/j.ijheh.2023.114169
16. Thiele V, Monsé C, Hoffmeyer F, Brüning T, Bünger J, Sucker K. Indoor air quality – an overview of methods for measuring odor detection thresholds of single substances. *Respir Physiol Neurobiol* 2023; 315: 104108 doi: 10.1016/j.resp.2023.104108
17. van Kampen V, Eisenhawer C, Brüning T, Merget R. Serial fractional exhaled nitric oxide measurements at and off work may help to identify immunologic occupational asthma in cases with complex exposures. *Respir Physiol Neurobiol* 2023; 313: 104068 doi: 10.1016/j.resp.2023.104068
18. van Kampen V, Marek EM, Sucker K, Jettkant B, Kendzia B, Strauß B, Ulbrich M, Deckert A, Berresheim H, Eisenhawer C, Hoffmeyer F, Weidhaas S, Behrens T, Brüning T, Bünger J. Influence of face masks on the subjective impairment at different physical workloads. *Sci Rep* 2023; 13: 8133 doi: 10.1038/s41598-023-34319-0
19. van Kampen V, Miguères N, Doyen V, Deckert A, de Blay F, Vandenplas O, Merget R. Phenotyping occupational asthma caused by platinum salts compared with other low-molecular weight agents. *J Allergy Clin Immunol Pract* 2023; Online ahead of Print doi: 10.1016/j.jaip.2023.06.014
20. Vogel N, Lange R, Schmidt P, ..., Gilles L, Govarts E, Murawski A, Gerofke A, Weber T, Rütther M, Gutleb AC, Guignard C, Berman T, Koch HM, Kolossa-Gehring M. Exposure to phthalates in European children, adolescents and adults since 2005: A harmonized approach based on existing HBM data in the HBM4EU Initiative. *Toxics* 2023; 11: 241 doi: 10.3390/toxics11030241
21. Vogel N, Schmidt P, Lange R, ..., Gilles L, Schoeters G, Esteban-López M, Castaño A, Govarts E, Koch HM, Kolossa-Gehring M. Current exposure to phthalates and DINCH in European children and adolescents – Results from the HBM4EU aligned studies 2014 to 2021. *Int J Hyg Environ Health* 2023; 249: 114101 doi: 10.1016/j.ijheh.2022.114101
22. Zahradnik E, Sander I, Lotz A, Liebers V, Thullner I, Tacke S, Raulf M. Exposure levels of animal allergens, endotoxin, and  $\beta$ -(1,3)-glucan on a university campus of veterinary medicine. *PLoS ONE* 2023; 18: e0288522 doi: 10.1371/journal.pone.0288522

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