

PUBLICATIONS 2023

Acta Acta Derm Venereol. 4.4 (1)

Blom T, Fieten KB, Kemperman PMJH, Spillekom-van Koulik S, Dikmans REG. Skin Distress Screening: Validation of an Efficient One-question Tool. *Acta Derm Venereol.* 2023 May 10;103:adv4590. PMID: 37165685. IPF:4.4

ALLERGY IF 12.4 (33)

Agache I, Shamji MH, Kermani NZ, Vecchi G, Favaro A, Layhadi JA, Heider A, Akbas DS, Filipaviciute P, Wu LYD, Cojanu C, Laculiceanu A, Akdis CA, Adcock IM., Multidimensional endotyping using nasal proteomics predicts molecular phenotypes in the asthmatic airways. *J Allergy Clin Immunol.* 2023 Jan;151(1):128-137. doi: 10.1016/j.jaci.2022.06.028. Epub 2022 Sep 22. PMID: 36154846. IPF: 13.146.

Akdis M, Akdis CA. Legends of allergy and immunology: Kurt Blaser and major contributions to deciphering the role of T cells in allergic disease. *Allergy.* 2023 May;78(5):1393-1394. doi: 10.1111/all.15648. Epub 2023 Jan 31. PMID: 36718675 No abstract available

Bayram H, Rastgeldi Dogan T, Şahin ÜA, Akdis CA., Environmental and health hazards by massive earthquakes., *Allergy.* 2023 Aug;78(8):2081-2084. doi: 10.1111/all.15736. Epub 2023 Jun 14., PMID: 37026989 No abstract available.

Bousquet J, Melén E, Haahtela T, Koppelman GH, Togias A, Valenta R, Akdis CA, Czarlewski W, Rothenberg M, Valiulis A, Wickman M, Akdis M, Aguilar D, Bedbrook A, Bindselev-Jensen C, Bosnic-Anticevich S, Boulet LP, Brightling CE, Brussino L, Burte E, Bustamante M, Canonica GW, Cecchi L, Celedon JC, Chaves Loureiro C, Costa E, Cruz AA, Erhola M, Gemiciglu B, Fokkens WJ, Garcia-Aymerich J, Guerra S, Heinrich J, Ivancevich JC, Keil T, Klimek L, Kuna P, Kupczyk M, Kvedariene V, Larenas-Linnemann DE, Lemonnier N, Lodrup Carlsen KC, Louis R, Makela M, Makris M, Maurer M, Momas I, Morais-Almeida M, Mullol J, Naclerio RN, Nadeau K, Nadif R, Niedozytko M, Okamoto Y, Ollert M, Papadopoulos NG, Passalacqua G, Patella V, Pawankar R, Pham-Thi N, Pfaar O, Regateiro FS, Ring J, Rouadi PW, Samolinski B, Sastre J, Savouré M, Scichilone N, Shamji MH, Sheikh A, Siroux V, Sousa-Pinto B, Standl M, Sunyer J, Taborda-Barata L, Toppila-Salmi S, Torres MJ, Tsiligianni I, Valovirta E, Vandenplas O, Ventura MT, Weiss S, Yorgancioglu A, Zhang L, Abdul Latiff AH, Aberer W, Agache I, Al-Ahmad M, Alobid I, Ansotegui IJ, Arshad SH, Asayag E, Barbara C, Baharudin A, Battur L, Bennoor KS, Berghea EC, Bergmann KC, D Bernstein, M Bewick, H Blain, M Bonini, F Braido, R Buhl, R S Bumbacea, A Bush, M Calderon, M Calvo-Gil, P Camargos, L Caraballo,..., I Ogulur, K Ohta, ..., J M Anto. *Allergy.* 2023 May;78(5):1169-1203. doi: 10.1111/all.15679. IPF: 14.2

Cabanillas B, Murdaca G, Guemari A, Torres MJ, Azkur AK, Aksoy E, Vitte J, de Las Vecillas L, Giovannini M, Fernández-Santamaria R, Castagnoli R, Orsi A, Amato R, Giberti I, Català A, Ambrozej D, Schaub B, Tramper-Stranders GA, Novak N, Nadeau KC, Agache I, Akdis M, Akdis CA. A compilation answering 50 questions on Monkeypox virus and the current Monkeypox outbreak. *Allergy.* 2023 Jan 1. doi: 10.1111/all.15633. Online ahead of print.PMID: 36587287 Review.

Chang I, Kaushik A, Satitsuksanoa P, Yang M, Buergi L, Schneider SR, Babayev H, Akdis CA, Nadeau K, van de Veen W, Akdis M. Distinct and mutually exclusive Ca²⁺ flux- and adenylyl cyclase-inducing gene expression profiles of G-protein-coupled receptors on human antigen-specific B cells. *Allergy.* 2023 Nov;78(11):3016-3019. doi: 10.1111/all.15858. Epub 2023 Aug 24. PMID: 37615338. IPF: 12.4

Jutel M, Agache I, Zemelka-Wiacek M, Akdis M, Chivato T, Del Giacco S, Gajdanowicz P, Gracia IE, Klimek L, Lauerma A, Ollert M, O'Mahony L, Schwarze J, Shamji MH, Skypala I, Palomares O, Pfaar O, Torres MJ, Bernstein JA, Cruz AA, Durham SR, Galli SJ, Gómez RM, Guttman-Yassky E, Haahtela T, Holgate ST, Izuhara K, Kabashima K, Larenas-Linnemann DE, von Mutius E, Nadeau KC, Pawankar R, Platts-Mills TAE,

Sicherer SH, Park HS, Vieths S, Wong G, Zhang L, Bilò MB, Akdis CA. Nomenclature of allergic diseases and hypersensitivity reactions: Adapted to modern needs: An EAACI position paper. *Allergy*. 2023 Nov;78(11):2851-2874. doi: 10.1111/all.15889. Epub 2023 Oct 10. PMID: 37814905

Jutel M, Zemelka-Wiacek M, Ordak M, Pfaar O, Eiwegger T, Rechenmacher M, Akdis CA. The artificial intelligence (AI) revolution: How important for scientific work and its reliable sharing. *Allergy*. 2023 Aug;78(8):2085-2088. doi: 10.1111/all.15778. Epub 2023 Jun 5. PMID: 37278131 No abstract available

Kortekaas Krohn I, Badloe FMS, Herrmann N, Maintz L, De Vriese S, Ring J; CK-CARE Study Group; Bieber T, Gutermuth J. Immunoglobulin E autoantibodies in atopic dermatitis associate with Type-2 comorbidities and the atopic march. *Allergy*. 2023 Dec;78(12):3178-3192. doi: 10.1111/all.15822. Epub 2023 Jul 24. PMID: 37489049

Kwasniewski M, Korotko U, Chwiałkowska K, Niemira M, Jaroszewicz J, Sobala-Szczygiel B, Puzanowska B, Moniuszko-Malinowska A, Pancewicz S, Parfieniuk-Kowerda A, Martonik D, Zarebska-Michaluk D, Simon K, Pazgan-Simon M, Mozer-Lisewska I, Bura M, Adamek A, Tomasiewicz K, Pawłowska M, Piekarska A, Berkan-Kawinska A, Horban A, Kowalska J, Podlasin R, Wasilewski P, Azzadin A, Czuczwar M, Borys M, Piwowarczyk P, Czaban S, Bogocz J, Ochab M, Kruk A, Uszok S, Bielska A, Szalkowska A, Raczowska J, Sokołowska G, Chorostowska-Wynimko J, Jezela-Stanek A, Rozy A, Lechowicz U, Połowianiuk U, Tycinska A, Grubczak K, Starosz A, Izdebska W, Krzemiński TF, Bousquet J, Franchini G, Hadlock J, Kretowski A, Akdis M, Akdis CA, Sokolowska M, Eljaszewicz A, Flisiak R, Moniuszko M. Implementation of the web-based calculator estimating odds ratio of severe COVID-19 for unvaccinated individuals in a country with high coronavirus-related death toll. *Allergy*. 2023 Jan;78(1):311-314. doi: 10.1111/all.15524. Epub 2022 Sep 29. IPF 14.71, PMID: 36129377

Lunjani N, Akdis CA, O'Mahony L. Importance of examining atopic dermatitis disease mechanisms in African populations. *Allergy*. 2023 Jan;78(1):329-330. doi: 10.1111/all.15559. PMID: 36576006.

Maintz L, Welchowski T, Herrmann N, Brauer J, Traidl-Hoffmann C, Havenith R, Müller S, Rhyner C, Dreher A, Schmid M, Bieber T; CK-CARE study group. IL-13, periostin and dipeptidyl-peptidase-4 reveal endotype-phenotype associations in atopic dermatitis. *Allergy*. 2023 Jan 17. doi: 10.1111/all.15647. Online ahead of print. PMID: 36647778

Maintz L, Schmitz MT, Herrmann N, Müller S, Havenith R, Brauer J, Rhyner C, Dreher A, Bersuch E, Fehr D, Hammel G, Reiger M, Luschkova D, Neumann A, Lang CCV, Renner ED, Schmid-Grendelmeier P, Traidl-Hoffmann C, Akdis CA, Lauener R, Brüggemann MC, Schmid M, Bieber T. Atopic dermatitis: Correlation of distinct risk factors with age of onset in adulthood compared to childhood. *Allergy*. 2023 Aug;78(8):2181-2201. doi: 10.1111/all.15721. Epub 2023 Apr 16. PMID: 36946297

Marone G, Triggiani M, Casolaro V, Stellato C, de Paulis A, Holgate ST, Akdis CA, Galli SJ. In memoriam: Lawrence M. Lichtenstein (1934-2022). *Allergy*. 2023 Jan;78(1):331-332. doi: 10.1111/all.15549. Epub 2022 Oct 20. PMID: 36219503 No abstract available.

Mitamura M, Reiger M, Kim J, Xiao Y, Zhakparov D, Tan G, Rückert B, Rinaldi AO, Baerenfaller K, Akdis, Brüggemann MC, Nadeau KC, Brunner PM, Roqueiro D, Traidl-Hoffmann C, Akdis CA. Spatial transcriptomics combined with single-cell RNA-sequencing unravels the complex inflammatory cell network in atopic dermatitis. *Allergy*. 2023 June 14. doi: <https://doi.org/10.1111/all.15781>

Ogurlur I, Yazici D, Pat Y, Bingöl EN, Babayev H, Ardicli S, Heider A, Rückert B, Sampath V, Dhir R, Akdis M, Nadeau K, Akdis CA. Mechanisms of gut epithelial barrier impairment caused

by food emulsifiers polysorbate 20 and polysorbate 80. *Allergy*. 2023 Sep;78(9):2441-2455. doi: 10.1111/all.15825. Epub 2023 Aug 2. PMID: 37530764

Papadopoulos NG, Akdis C, Akdis M, et al. Addressing adverse synergies between chemical and biological pollutants at schools-The 'SynAir-G' hypothesis. *Allergy*. Published online August 31, 2023. doi:10.1111/all.15857

Parsons ES, Liu F, Kaushik A, Lee A, Schuetz J, Dunham D, Seastedt H, Ogulur I, Heider A, Tan G, Shah A, Cao S, Smith E, Kost L, Acharya S, Prunicki M, Rothenberg M, Sindher S, Leib R, Akdis CA, Nadeau K, Lejeune S. Detection of gut and mucosal peptides through TOMAHAQ in healthy individuals. *Allergy*. 2023 Jul;78(7):2052-2055. doi: 10.1111/all.15698. IPF: 14.2

Pawankar R, Akdis CA., Climate change and the epithelial barrier theory in allergic diseases: A One Health approach to a green environment., *Allergy*. 2023 Nov;78(11):2829-2834. doi: 10.1111/all.15885. Epub 2023 Sep 7., PMID: 37675628 No abstract available.

Rinaldi AO, Li M, Barletta E, D'Avino P, Yazici D, Pat Y, Ward S, Burla D, Tan G, Askary N, Larsson R, Bost J, Babayev H, Dhir R, Gaudenzio N, Akdis M, Nadeau K, Akdis CA, Mitamura Y. Household laundry detergents disrupt barrier integrity and induce inflammation in mouse and human skin. *Allergy*. 2023 Sep 27. doi: 10.1111/all.15891. Epub ahead of print. PMID: 37766519.

Roth-Walter F, Berni Canani R, O'Mahony L, Peroni D, Sokolowska M, Vassilopoulou E, Venter C. Nutrition in chronic inflammatory conditions: Bypassing the mucosal block for micronutrients. *Allergy*. 2023 Dec 12. doi: 10.1111/all.15972. Online ahead of print. PMID 38084827. IPF 12.4

Roth-Walter F, Adcock IM, Benito-Villalvilla C, Bianchini R, Bjermer L, Caramori G, Cari L, Chung KF, Diamant Z, Eguiluz-Gracia I, Knol EF, Jesenak M, Levi-Schaffer F, Nocentini G, O'Mahony L, Palomares O, Redegeld F, Sokolowska M, Van Esch BCAM, Stellato C. Metabolic pathways in immune senescence and inflammaging: Novel therapeutic strategy for chronic inflammatory lung diseases. An EAACI position paper from the Task Force for Immunopharmacology. *Allergy*. 2023 Dec 18. doi: 10.1111/all.15977. Online ahead of print. PMID: 38108546 IPF 12.4

Rovira Rubió J, Megremis S, Pasioti M, Lakoumentas J, Constantinides B, Xepapadaki P, Bachert C, Finotto S, Jartti T, Andreacos E, Stanic B, Akdis CA, Akdis M, Papadopoulos NG. Respiratory virome profiles reflect antiviral immune responses. *Allergy*. 2023 Jan 3. doi: 10.1111/all.15634. Online ahead of print. PMID: 36595290

Shamji MH, Ollert M, Adcock IM, Bennett O, Favaro A, Sarama R, Riggioni C, Annesi-Maesano I, Custovic A, Fontanella S, Traidl-Hoffmann C, Nadeau K, Cecchi L, Zemelka-Wiacek M, Akdis CA, Jutel M, Agache I., EAACI guidelines on environmental science in allergic diseases and asthma - Leveraging artificial intelligence and machine learning to develop a causality model in exposomics., *Allergy*. 2023 Jul;78(7):1742-1757. doi: 10.1111/all.15667. Epub 2023 Feb 15. PMID: 36740916

Yazici D, Pat Y, Mitamura Y, Akdis CA, Ogulur I. Detergent-induced eosinophilic inflammation in the esophagus: A key evidence for the Epithelial Barrier Theory. *Allergy*. 2023 Jan 16. doi: 10.1111/all.15646. Online ahead of print. PMID: 36645729

Yazici D, Cagan E, Tan G, Li M, Do E, Kucukkase OC, Simsek A, Kizmaz MA, Bozkurt T, Aydin T, Heider A, Rückert B, Brüggemann MC, Dhir R, O'Mahony L, Akdis M, Nadeau KC, Budak F, Akdis CA, Ogulur I. Disrupted epithelial permeability as a predictor of severe COVID-19 development. *Allergy*. 2023 Oct;78(10):2644-2658. doi: 10.1111/all.15800. Epub 2023 Jul 8. PMID: 37422701.

Santos AF, Riggioni C, Agache I, Akdis CA, Akdis M, Alvarez-Perea A, Alvaro-Lozano M, Ballmer-Weber B, Barni S, Beyer K, Bindslev-Jensen C, Brough HA, Buyuktiryaki B, Chu D, Del Giacco S, Dunn-Galvin A, Eberlein B, Ebisawa M, Eigenmann P, Eiwegger T, Feeney M, Fernandez-Rivas M, Fisher HR, Fleischer DM, Giovannini M, Gray C, Hoffmann-Sommergruber K, Halken S, Hourihane JO, Jones CJ, Jutel M, Knol E, Konstantinou GN, Lack G, Lau S, Marques Mejias A, Marchisotto MJ, Meyer R, Mortz CG, Moya B, Muraro A, Nilsson C, Lopes de Oliveira LC, O'Mahony L, Papadopoulos NG, Perrett K, Peters RL, Podesta M, Poulsen LK, Roberts G, Sampson HA, Schwarze J, Smith P, Tham EH, Untersmayr E, Van Ree R, Venter C, Vickery BP, Vlieg-Boerstra B, Werfel T, Worm M, Du Toit G, Skypala I. EAACI guidelines on the diagnosis of IgE-mediated food allergy. *Allergy*. 2023 Dec;78(12):3057-3076. doi: 10.1111/all.15902. Epub 2023 Oct 10. PMID: 37815205

Santos AF, Riggioni C, Halken S, Muraro A, Akdis CA, Roberts G, Du Toit G, Skypala I., Executive summary of the EAACI guidelines on diagnosis of IgE-mediated food allergy., *Allergy*. 2023 Dec;78(12):3053-3056. doi: 10.1111/all.15906. Epub 2023 Oct 10., PMID: 37815198 No abstract available.

Sasaki M, Sundberg M, Frei R, Ferstl R, Heye KN, Willems EP, Akdis CA, Lauener R; CK-CARE Study Group; Roduit C., Electrical impedance spectroscopy detects skin barrier dysfunction in childhood atopic dermatitis. , *Allergy*. 2024 Jan;79(1):142-152. doi: 10.1111/all.15895. Epub 2023 Sep 27., PMID: 37753955

Satitsuksanoa P, Iwasaki S, Boersma J, Imam MB, Schneider SR, Chang I, van de Veen W, Akdis M. B cells: The many facets of B cells in allergic diseases. *J Allergy Clin Immunol*. 2023 Sep;152(3):567-581. DOI: 10.1016/j.jaci.2023.05.011. PMID: 37247640.
Chang I, Kaushik A, Satitsuksanoa P, Yang M, Buergi L, Schneider SR, Babayev H, Akdis CA, Nadeau K, van de Veen W, Akdis M. Distinct and mutually exclusive Ca²⁺ flux- and adenylyl cyclase-inducing gene expression profiles of G-protein-coupled receptors on human antigen-specific B cells. *Allergy*. 2023 Nov;78(11):3016-3019. DOI: 10.1111/all.15858. PMID: 37615338.

Zemelka-Wiacek M, Agache I, Akdis CA, Akdis M, Casale TB, Dramburg S, Jahnz-Rózyk K, Kosowska A, Matricardi PM, Pfaar O, Shamji MH, Jutel M. Hot topics in allergen immunotherapy, 2023: Current status and future perspective. *Allergy*. 2023 Nov 20. doi: 10.1111/all.15945. Online ahead of print. PMID: 37984449 Review

Zhang HP, Sun YL, Wang YF, Yazici D, Azkur D, Ogulur I, Azkur AK, Yang ZW, Chen XX, Zhang AZ, Hu JQ, Liu GH, Akdis M, Akdis CA, Gao YD. Recent developments in the immunopathology of COVID-19. *Allergy*. 2023 Feb;78(2):369-388. doi: 10.1111/all.15593. Epub 2022 Dec 5. PMID: 36420736; PMCID: PMC10108124

Zhang L, Akdis CA., Resolving the etiology and treatments of allergic diseases., *Allergy*. 2023 Jun;78(6):1419-1421. doi: 10.1111/all.15727., PMID: 36965003 No abstract available.

Allergy Asthma Immunol Res. 5.026 (1)

Losol P, Sokolowska M, Hwang Y-K, Ogulur I, Mitamura Y, Yazici D, Pat Y, Radzikowska U, Ardicli S, Yoon J-E, et al. Epithelial Barrier Theory: The Role of Exposome, Microbiome, and Barrier Function in Allergic Diseases. *Allergy Asthma Immunol Res*. 2023 Nov;15(6):705-724. DOI: 10.4168/aaair.2023.15.6.705

American Journal of Respiratory and Critical Care Medicine 30.528 (1)

Sokolowska M, Radzikowska U. How can allergen immunotherapy protect against COVID-19? American Journal of Respiratory and Critical Care Medicine, 2023, online, ahead of print: <https://doi.org/10.1164/rccm.202302-0317LE>

Ann Allergy Asthma Immunol. 6.347 (1)

Ozdemir C, Kucuksezer UC, Ogulur I, Pat Y, Yazici D, Agache I, Jutel M, Nadeau KC, Akdis M, Akdis CA. How does global warming contribute to disorders originating from an impaired epithelial barrier? Ann Allergy Asthma Immunol. 2023 Dec;131(6):703-712. doi: 10.1016/j.anai.2023.08.010. Epub 2023 Aug 22. PMID: 37619777

Asia Pacific Allergy 2.000 (1)

Kucuksezer UC, Ozdemir C, Yazici D, Pat Y, Mitamura Y, Li M, Sun N, D'Avino P, Bu X, Zhu X, Akdis M, Nadeau K, Ogulur I, Akdis CA. The epithelial barrier theory: Development and exacerbation of allergic and other chronic inflammatory diseases. Asia Pac Allergy. 2023 Mar;13(1):28-39. doi: 10.5415/apallergy.0000000000000005. Epub 2023 Apr 28. PMID: 37389096; PMCID: PMC10166244.

Authorea (hat keinen Impact Factor) (1)

Turner MC, Radzikowska U, Ferastraoaru DE, Pascal M, Wesseling P, McCraw A, Backes C, Bax HJ, Bergmann C, Bianchini R, Cari L, de las Vecillas L, Izquierdo E, Lind-Holm Mogensen F, Michelucci A, Nazarov PV, Piclou S, Nocentini G, Ollert M, Preusser M, Rohr-Udihlove N, Scafidi A, Toth R, Van Hemelrijck M, Weller M, Jappe U, Escribese MM, Jensen-Jarolim E, N. Karagiannis S, Poli A. AllergoOncology: Biomarkers and Refined Classification for Research in the Allergy and Glioma Nexus - a Joint EAACI-EANO Position Paper. Preprint. <https://doi.org/10.22541/au.169956638.85807758/v1>.

British Journal of Dermatology 11.1 (1)

Ragamin A, Schappin R, de Graaf M, Tupker RA, Fieten KB, van Mierlo MMF, Bronner MB, Romeijn GLE, Sloot MM, Boesjes CM, van der Rijst L, Arents BWM, Rustemeyer T, Schuttelaar MLA, Pasmans SGMA. The effectiveness of antibacterial therapeutic clothing compared with non-antibacterial therapeutic clothing in patients with moderate-to-severe atopic dermatitis: A randomized controlled, observer-blind pragmatic trial (ABC trial). Br J Dermatol. 2023 Nov 4;ljad437. PMID: 37936331. IPF:11.1

Cell 64 (2)

Correia-Melo C., Kamrad S., Tengölics R., Messner C. B., Trebulle P., Townsend S., Varma S. J., Freiwald A., Heineke B. M., Campbell K., Herrera-Dominguez L., Aulakh S. K., Szyrwił L., Yu J. S. L., Zeleznik A., Demichev V., Mülleder M., Balazs P., Alam M. T. & Ralser M. (2023). Cell-cell metabolite exchange creates a pro-survival metabolic environment that extends lifespan. Cell, 186(1), 63-79. IPF: 64. <https://doi.org/10.1016/j.cell.2022.12.007>

Messner C. B., Demichev V., Muenzner J., Aulakh S. K., Barthel N., Röhl A., Herrera-Dominguez L., Egger A., Kamrad S., Hou J., Tan G., Lemke O., Calvani E., Szyrwił L., Mülleder M., Lilley K. S., Boone C., Kustatscher G., & Ralser M. (2023). The proteomic landscape of genome-wide genetic perturbations. Cell, 186(9), 2018-2034. IPF: 64 <https://doi.org/10.1016/j.cell.2023.03.026>

Clin Exp Allergy 5.018 (2)

Bel imam M*, Stikas CV*, Guha P, Chawes BL, Chu D, Greenhawt M, Khaleva E, Munblit D, Nekliudov N, van de Veen W, Schoos AM. Outcomes reported in randomized controlled trials for mixed and non-IgE-mediated food allergy: Systematic review. *Clinical and experimental allergy: journal of the British Society for Allergy and Clinical Immunology*. 2023. DOI: 10.1111/cea.14304

Hurme P, Sahla R, Rückert B, Vahlberg T, Turunen R, Vuorinen T, Akdis M, Söderlund-Venermo M, Akdis C, Jartti T. Human bocavirus 1 coinfection is associated with decreased cytokine expression in the rhinovirus-induced first wheezing episode in children. *Clin Transl Allergy*. 2023 Nov;13(11):e12311. doi: 10.1002/clt2.12311. PMID: 38006383 Free PMC article.

Heart (1)

Molitor N, Hofer D, Çimen T, Gasperetti A, Akdis D, Costa S, Jenni R, Breitenstein A, Wolber T, Winnik S, Fokstuen S, Fu G, Medeiros-Domingo A, Ruschitzka F, Brunckhorst C, Duru F, Saguner AM., Evolution and triggers of defibrillator shocks in patients with arrhythmogenic right ventricular cardiomyopathy, *Heart*. 2023 Jul 12;109(15):1146-1152. doi: 0.1136/heartjnl-2022-321739., PMID: 36889907

Infect Dis Ther. 5.4 (1)

Styrzynski F, Zhakparov D, Schmid M, Roqueiro D, Lukasik Z, Solek J, Nowicki J, Dobrogowski M, Makowska J, Sokolowska M, Baerenfaller K. Machine Learning Successfully Detects Patients with COVID-19 Prior to PCR Results and Predicts Their Survival Based on Standard Laboratory Parameters in an Observational Study. *Infect Dis Ther*. 2023 Jan;12(1):111-129. doi: 10.1007/s40121-022-00707-8. Epub 2022 Nov 4. PMID 36333475, IPF 5.4

Int Forum Allergy Rhinol (1)

Wise SK, Damask C, Roland LT, Ebert C, Levy JM, Lin S, Luong A, Rodriguez K, Sedaghat AR, Toskala E, Villwock J, Abdullah B, Akdis C, Alt JA, Ansotegui IJ, Azar A, Baroody F, Benninger MS, Bernstein J, Brook C, Campbell R, Casale T, Chaaban MR, Chew FT, Chambliss J, Cianferoni A, Custovic A, Davis EM, DelGaudio JM, Ellis AK, Flanagan C, Fokkens WJ, Franzese C, Greenhawt M, Gill A, Halderman A, Hohlfeld JM, Incorvaia C, Joe SA, Joshi S, Kuruvilla ME, Kim J, Klein AM, Krouse HJ, Kuan EC, Lang D, Larenas-Linnemann D, Laury AM, Lechner M, Lee SE, Lee VS, Loftus P, Marcus S, Marzouk H, Mattos J, McCoul E, Melen E, Mims JW, Mullol J, Nayak JV, Oppenheimer J, Orlandi RR, Phillips K, Platt M, Ramanathan M Jr, Raymond M, Rhee CS, Reitsma S, Ryan M, Sastre J, Schlosser RJ, Schuman TA, Shaker MS, Sheikh A, Smith KA, Soyka MB, Takashima M, Tang M, Tantilipikorn P, Taw MB, Tversky J, Tyler MA, Veling MC, Wallace D, Wang Y, White A, Zhang L., International consensus statement on allergy and rhinology: Allergic rhinitis - 2023., *Int Forum Allergy Rhinol*. 2023 Apr;13(4):293-859. doi: 10.1002/alr.23090. Epub 2023 Mar 6., PMID: 36878860 Review

International Journal of Cardiology (1)

Saguner AM, Lunk D, Mohsen M, Knecht S, Akdis D, Costa S, Gasperetti A, Duru F, Rossi VA, Brunckhorst CB., Electroanatomical voltage mapping with contact force sensing for diagnosis of arrhythmogenic right ventricular cardiomyopathy., *Int J Cardiol*. 2023 Dec 1;392:131289. doi: 10.1016/j.ijcard.2023.131289. Epub 2023 Aug 22., PMID: 37619879

JAMA Oncyolog 33.012 (1)

Huntjens DW, Vanhommerig JW, van de Veen W, Crul M. Exclusion of Ranitidine From Premedication Regimens During Paclitaxel Treatment. *JAMA Oncol.* 2023 Nov 2:e234821. doi: 10.1001/jamaoncol.2023.4821. Epub ahead of print. PMID:37917074; PMCID: PMC10623296. IPF: 33.012

JACI 53.965 (5)

Aguilera J, Kaushik A, Cauwenberghs N, Heider A, Ogulur I, Yazici D, Smith E, Alkotob S, Prunicki M, Akdis CA, Nadeau KC. Granzymes, IL-16, and poly(ADP-ribose) polymerase 1 increase during wildfire smoke exposure. *J Allergy Clin Immunol Glob.* 2023 May;2(2):100093. doi: 10.1016/j.jacig.2023.100093. Epub 2023 Mar 21. PMID: 37539354; PMCID: PMC10399148.

Bendien SA, Kroes JA, van Hal LHG, Braunstahl GJ, Broeders MEAC, Oud KTM, Patberg KW, Smeenk FWJM, van Veen IHPAA, Weersink EJM, Fieten KB, Hashimoto S, van Veen A, Sont JK, van Huisstede A, van de Ven MJT, Langeveld B, Maitland-van der Zee AH, Ten Brinke A; Registry of Adult Patients With Severe Asthma for Optimal Disease Management Team. Real-World Effectiveness of IL-5/5Ra Targeted Biologics in Severe Eosinophilic Asthma With Comorbid Bronchiectasis. *J Allergy Clin Immunol Pract.* 2023 Sep;11(9):2724-2731.e2. PMID: 37295671. IPF: 14.3

Ogulur I, Pat Y, Aydin T, Yazici D, Rückert B, Peng Y, Kim J, Radzikowska U, Westermann P, Sokolowska M, Dhir R, Akdis M, Nadeou K, Akdis CA. Gut epithelial barrier damage caused by dishwasher detergents and rinse aids. *Journal of Allergy and Clinical Immunology* 151, 469-484 (2023). DOI: 10.1016/j.jaci.2022.10.020.

Satitsuksanoa P, Iwasaki S, Boersma J, Bel Imam M, Schneider SR, Chang I, van de Veen W, Akdis M. B cells: The many facets of B cells in allergic diseases. *Journal of Allergy and Clinical Immunology.* 2023 May. DOI:10.1016/j.jaci.2023.05.011

Ten Have L, Visser E, Meulmeester FL, Bendien SA, Braunstahl GJ, Broeders MEAC, Fieten KB, Hashimoto S, van Huisstede A, Langeveld B, Oud KTM, Patberg KW, Smeenk FWJM, van Veen A, van Veen IH, van de Ven MJT, Weersink EJM, de Jong K, Sont JK, Kroes JA, Ten Brinke A. Long-Term Weight Changes After Starting Anti-IL-5/5Ra Biologics in Severe Asthma: The Role of Oral Corticosteroids. *J Allergy Clin Immunol Pract.* 2023 Sep;11(9):2748-2756.e3. PMID: 37399945. IPF:14.3

J Asthma Allergy 4.258 (1)

van der Valk JPM, Hekking PP, Rauw SP, Patberg KW, van Veen IA, Van Huisstede A, Smeenk FWJM, van de Ven MJT, Broeders MEAC, Hilvering B, van Exsel J, Oud KTM, Langeveld B, Fieten KB, van Veen A, Hashimoto S, Sont JK, Ten Brinke A, Braunstahl GJ; RAPSODI Team. Anti-IL-5/5Ra biologics improve work productivity and activity in severe asthma: a RAPSODI registry-based cohort study. *J Asthma.* 2023 Oct;60(10):1869-1876. PMID: 36976568. IPF: 2.5

Journal of Bronchology & Interventional Pulmonology (1)

Ost DE, Feller-Kopman DJ, Gonzalez AV, Grosu HB, Herth F, Mazzone P, Park JES, Porcel JM, Shojaei S, Tsiligianni I, Vachani A, Bernstein J, Branson R, Flume PA, Akdis CA, Kolb M, Portela EB, Smyth A., Reporting Standards for Diagnostic Testing: Guidance for Authors From Editors of Respiratory, Sleep, and Critical Care Journals., *J Bronchology Interv Pulmonol.* 2023 Jul 1;30(3):207-222. doi: 10.1097/LBR.0000000000000920., PMID: 37070780

Journal of Crohn's and Colitis (1)

Niechcial A, Schwarzfischer M, Wawrzyniak M, Atrott K, Laimbacher A, Morsy Y, Katkeviciute E, Häfliger J, Westermann P, Akdis CA, Scharl M, Spalinger MR., Spermidine Ameliorates Colitis via Induction of Anti-Inflammatory Macrophages and Prevention of Intestinal Dysbiosis., *J Crohns Colitis*. 2023 Oct 20;17(9):1489-1503. doi: 10.1093/ecco-jcc/jjad058., PMID: 36995738 Free PMC article.

J Clin Med (2)

Çimen T, Medeiros-Domingo A, Kolios A, Akdiş D, Anwer S, Tanner FC, Brunckhorst C, Duru F, Saguner AM., A Novel Heterozygous Desmoplakin Variant Causes Cardiocutaneous Syndrome with Arrhythmogenic Cardiomyopathy and Palmoplantar Keratosis., *J Clin Med*. 2023 Jan 24;12(3):913. doi: 10.3390/jcm12030913., PMID: 36769561 Free PMC article.

Guan F, Gass M, Berger F, Akdis D, Duru F, Wolber T., Transseptal Puncture Guided by Three-Dimensional Electroanatomical Mapping: Early Experience Using a Simplified Approach in Adults with Congenital Heart Disease., *J Clin Med*. 2023 Jul 5;12(13):4491. doi: 10.3390/jcm12134491., PMID: 37445531 Free PMC article.

Microorganisms 4.167 (1)

Zhakparov D, Quirin Y, Xiao Y, Battaglia N, Holzer M, Bühler M, Kistler W, Engel D, Zumthor JP, Caduff A, Baerenfaller K. Sequencing of SARS-CoV-2 RNA Fragments in Wastewater Detects the Spread of New Variants during Major Events. *Microorganisms* 2023, 11(11), 2660; PMID: 38004672, DOI: 10.3390/microorganisms11112660

Middle East Development Journal MedJ) 17.00 (1)

Nuñez NG, Berner F, Friebel E, Unger S, Wyss N, Gomez JM, Purde MT, Niederer R, Porsch M, Lichtensteiger C, Kramer R, Erdmann M, Schmitt C, Heinzerling L, Abdou MT, Karbach J, Schadendorf D, Zimmer L, Ugurel S, Klümper N, Hölzel M, Power L, Kreutmair S, Capone M, Madonna G, Cevhertas L, Heider A, Amaral T, Hasan Ali O, Bomze D, Dimitriou F, Diem S, Ascierto PA, Dummer R, Jäger E, Driessen C, Levesque MP, van de Veen W, Joerger M, Früh M, Becher B, Flatz L. Immune signatures predict development of autoimmune toxicity in patients with cancer treated with immune checkpoint inhibitors. *Med*. 2023 Feb10;4(2):113-129.e7. doi: 10.1016/j.medj.2022.12.007. Epub 2023 Jan 23. PMID:36693381. IPF: 17.0

Mucosal Immunol. 7.313 (1)

Stocker N, Radzikowska U, Wawrzyniak P, Tan G, Huang M, Ding M, Akdis CA, Sokolowska M. Regulation of ACE2 isoforms by type 2 inflammation and viral infection in human airway epithelium. *Mucosal Immunology*, (2023). DOI: 10.1016/j.mucimm.2022.12.001

Nat Rev Immunol. 53.106 (1)

Kolkhir P, Akdis CA, Akdis M, Bachert C, Bieber T, Canonica GW, Guttman-Yassky E, Metz M, Mullol J, Palomares O, Renz H, Ständer S, Zuberbier T, Maurer M. Type 2 chronic inflammatory diseases: targets, therapies and unmet needs. *Nat Rev Drug Discov*. 2023 Sep;22(9):743-767. doi: 10.1038/s41573-023-00750-1. Epub 2023 Aug 1. PMID: 37528191 Review.

Nature Biomedical Engineering (1)

White M. E., Sinn L. R., Jones D. M., de Folter J., Aulakh S. K., Wang Z., Flynn H. R., Krüger L., Tober-Lau P., Demichev V., Kurth F., Müllereder M., Blanchard V., Messner C. B. & Ralser M. (2023). Oxonium ion scanning mass spectrometry for large-scale plasma glycoproteomics. *Nature Biomedical Engineering*, 1-15. IPF: 29, <https://doi.org/10.1038/s41551-023-01067-5>

Nat Communications 16.6 (2)

Radzikowska U, Eljaszewicz A, Tan G, Stocker N, Heider A, Westermann P, Steiner S, Dreher A, Wawrzyniak P, Rückert B, Rodriguez-Coira J, Zhakparov D, Huang M, Jakiela B, Sanak M, Moniuszko M, O'Mahony L, Jutel M, Keadze T, Jackson DJ, Edwards MR, Thiel V, Johnston SL, Akdis CA, Sokolowska M., Rhinovirus-induced epithelial RIG-I inflammasome suppresses antiviral immunity and promotes inflammation in asthma and COVID-19. *Nat Commun* 14, 2329 (2023)., doi.org/10.1038/s41467-023-37470-4

Kayhan M, Vouillamoz J, Rodriguez DG, Bugarski M, Mitamura Y, Gschwend J, Schneider C, Hall A, Legouis D, Akdis CA, Peter L, Rehrauer H, Gewin L, Wenger RH, Khodo SN., Intrinsic TGF- β signaling attenuates proximal tubule mitochondrial injury and inflammation in chronic kidney disease., *Nat Commun.* 2023 Jun 3;14(1):3236. doi: 10.1038/s41467-023-39050-y., PMID: 37270534

Pediatr Allergy Immunol. 5.464 (2)

Feleszko W, Okarska-Napierała M, Buddingh EP, Bloomfield M, Sediva A, Bautista-Rodriguez C, Brough H, Eigenmann P, Eiwegger T, Eljaszewicz A, Eyerich S, Gomez-Casado C, Fraisse A, Janda J, Jiménez-Saiz R, Kallinich T, Kortekaas Krohn I, Mortz C, Riggioni C, Sastre J, Sokolowska M, Strzelczyk Z, Untersmayr E, Tramper-Stranders G. Pathogenesis, immunology, and immune-targeted management of the multisystem inflammatory syndrome in children (MIS-C) or pediatric inflammatory multisystem syndrome (PIMS): EAACI Position Paper. *Pediatric Allergy and Immunology*. In Press. First Published: 04.01.2023. doi.org/10.1111/pai.13900; IPF 5.464

Nguyen NT, Schappin R, Pasmans SGMA, Schreurs MWJ, de Swart RL, van de Veen W. Can measles attenuate previous allergic sensitization in children? *Pediatr Allergy Immunol.* 2023 Oct;34(10):e14033. doi: 10.1111/pai.14033. PMID: 37877848. IPF: 5.464

Proteomics 3.254 (1)

Munro V., Kelly V., Messner C. B., & Kustatscher G. (2023). Cellular control of protein levels: A systems biology perspective. *Proteomics*, 2200220. <https://doi.org/10.1002/pmic.202200220>

Respiratory Medicine 4.3 (1)

Losol P, Sokolowska M, Chang YS. Interactions between microbiome and underlying mechanisms in asthma. *Respir Med.* 2023 Mar;208:107118. doi: 10.1016/j.rmed.2023.107118. Epub 2023 Jan 11. PMID 36641058, IPF 4.3

Science Bulletin (1)

Wang M, Wang C, Akdis CA, Zhang L., The highly prevalent allergic rhinitis: does new treatments move toward a cure? ,*Sci Bull (Beijing)*. 2023 Dec 30;68(24):3094-3097. doi: 10.1016/j.scib.2023.11.028. Epub 2023 Nov 14., PMID: 37993333 No abstract available.

Science Translational Medicine (1)

Akdis CA, Akdis M, Boyd SD, Sampath V, Galli SJ, Nadeau KC. Allergy: Mechanistic insights into new methods of prevention and therapy. *Sci Transl Med*. 2023 Jan 18;15(679):eadd2563. doi: 10.1126/scitranslmed.add2563. Epub 2023 Jan 18. PMID: 36652536 Review.

Seminars in Immunology (1)

Yazici D, Ogulur I, Pat Y, Babayev H, Barletta E, Ardicli S, Bel Imam M, Huang M, Koch J, Li M, Maurer D, Radzikowska U, Satitsuksanoa P, Schneider SR, Sun N, Traidl S, Wallimann A, Wawrocki S, Zhakparov D, Fehr D, Ziadlou R, Mitamura Y, Brüggen MC, van de Veen W, Sokolowska M, Baerenfaller K, Nadeau K, Akdis M, Akdis CA. The epithelial barrier: The gateway to allergic, autoimmune, and metabolic diseases and chronic neuropsychiatric conditions. *Semin Immunol*. 2023 Oct 4;70:101846. doi: 10.1016/j.smim.2023.101846. Epub ahead of print. PMID: 37801907

Tissue barriers (2)

Kıyıkım A, Ögölür İ, Yazıcı D, Çokuğraş H, Akdiş M, Akdiş CA. Epithelial Barrier Hypothesis and Its Comparison with the Hygiene Hypothesis. *Turk Arch Pediatr*. 2023 Mar;58(2):122-128. doi: 10.5152/TurkArchPediatr.2023.23006. PMID: 36856348 Free PMC article

Pat Y, Ogulur I, Yazici D, Mitamura Y, Cevhertas L, Küçükkase OC, Mesisser SS, Akdis M, Nadeau K, Akdis CA. Effect of altered human exposome on the skin and mucosal epithelial barrier integrity. *Tissue Barriers*. 2023 Oct 2;11(4):2133877. doi: 10.1080/21688370.2022.2133877. Epub 2022 Oct 19. PMID: 36262078; PMCID: PMC10606824.

Therapeutic advances in respiratory disease (1)

Lv X, Gao Z, Tang W, Qin J, Wang W, Liu J, Li M, Teng F, Yi L, Dong J, Wei Y., Trends of therapy in the treatment of asthma., *Ther Adv Respir Dis*. 2023 Jan-Dec;17:17534666231155748. doi: 10.1177/17534666231155748., PMID: 36942731

Turk Arch Pediatr (1)

Kıyıkım A, Ögölür İ, Yazıcı D, Çokuğraş H, Akdiş M, Akdiş CA. Epithelial Barrier Hypothesis and Its Comparison with the Hygiene Hypothesis. *Turk Arch Pediatr*. 2023 Mar;58(2):122-128. doi: 10.5152/TurkArchPediatr.2023.23006. PMID: 36856348; PMCID: PMC10081018.

World Allergy Organ J 7.3 (1)

Fieten KB, Maya-Manzano JM, Rückert B, Candeias J, Pusch G, Buters J, Akdis CA, Traidl-Hoffmann C. Environmental exposure and sensitization patterns in a Swiss alpine pediatric cohort. *World Allergy Organ J*. 2023 Dec 3;16(12):100847. PMID:38075553 IPF: 7.3

BOOK CHAPTERS 2023 (1)

Bruton K*, Bel imam M*, Koenig JFE, Hoh R, de Azcárate PHR, Patil SU, Jordana M, van de Veen W, Jiménez-Saiz R, Long lived immune memory and food allergy. In: Encyclopedia of Food Allergy. Editors: Elsevier, Date: 2023, Place of Publication: Amsterdam, Page: NA, ISBN: 9780081005965

Zhakparov D, Moriarty K, Lunjani N, Schmid M, Hlela C, Levin M, Mankahla A, SOS-ALL Consortium, Akdis C, O'Mahony L, Baerenfaller K#, Roqueiro DS. Assessing Different Feature Selection Methods Applied to a Bulk RNA Sequencing Dataset with regard to Biomedical Relevance. In: Machine Learning and Principles and Practice of Knowledge Discovery in Databases. ECML PKDD 2022. Communications in Computer and Information Science, Editors: Koprinska I et al. Publisher: Springer, Date: 2023, Place of Publication: Cham, Volume: 1753, ISBN Print:978-3-031-23632-7, ISBN Online: 978-3-031-23633-4, DOI: 10.1007/978-3-031-23633-4_18