Timo Buhl

List of Publications by Year
in descending order

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Version: 2024-02-01

78 papers	3,065 citations	361296 20 h-index	175177 52 g-index
92 all docs	92 docs citations	92 times ranked	3870 citing authors

#	Article	IF	Citations
1	Man against machine: diagnostic performance of a deep learning convolutional neural network for dermoscopic melanoma recognition in comparison to 58 dermatologists. Annals of Oncology, 2018, 29, 1836-1842.	0.6	915
2	A sensory neuronâ€“expressed IL-31 receptor mediates TÂhelper cellâ€“dependent itch: Involvement of TRPV1 andÂTRPA1. Journal of Allergy and Clinical Immunology, 2014, 133, 448-460.e7.	1.5	556
3	Molecular and Morphological Characterization of Inflammatory Infiltrate in Rosacea Reveals Activation of Th1/Th17 Pathways. Journal of Investigative Dermatology, 2015, 135, 2198-2208.	0.3	193
4	Man against machine reloaded: performance of a market-approved convolutional neural network in classifying a broad spectrum of skin lesions in comparison with 96 dermatologists working under less artificial conditions. Annals of Oncology, 2020, 31, 137-143.	0.6	140
5	New mechanism underlying IL-31â€“induced atopic dermatitis. Journal of Allergy and Clinical Immunology, 2018, 141, 1677-1689.e8.	1.5	131
6	Neural peptidase endothelin-converting enzyme 1 regulates endothelin 1â€“induced pruritus. Journal of Clinical Investigation, 2014, 124, 2683-2695.	3.9	81
7	Ruxolitinib Induces Interleukin 17 and Ameliorates Chronic Mucocutaneous Candidiasis Caused by STAT1 Gain-of-Function Mutation. Clinical Infectious Diseases, 2016, 62, 951.2-953.	2.9	73
8	Protease-Activated Receptor-2 Regulates Neuro-Epidermal Communication in Atopic Dermatitis. Frontiers in Immunology, 2020, 11, 1740.	2.2	46
9	COVIDâ€19 and immunological regulations â€“ from basic and translational aspects to clinical implications. JDDG - Journal of the German Society of Dermatology, 2020, 18, 795-807.	0.4	45
10	Patch test results with the European baseline series and additions thereof in the ESSCA network, 2015â€“2018. Contact Dermatitis, 2021, 84, 109-120.	0.8	44
11	Diagnostic performance of a deep learning convolutional neural network in the differentiation of combined naevi and melanomas. Journal of the European Academy of Dermatology and Venereology, 2020, 34, 1355-1361.	1.3	41
12	Novel insights into the TRPV3-mediated itch in atopic dermatitis. Journal of Allergy and Clinical Immunology, 2021, 147, 1110-1114.e5.	1.5	39
13	The methylisothiazolinone epidemic goes along with changing patients' characteristics â€“ After cosmetics, industrial applications are the focus. Contact Dermatitis, 2020, 82, 87-93.	0.8	30
14	COVIDâ€19 and implications for dermatological and allergological diseases. JDDG - Journal of the German Society of Dermatology, 2020, 18, 815-824.	0.4	30
15	Sensitization against Fungi in Patients with Airway Allergies over 20 Years in Germany. International Archives of Allergy and Immunology, 2021, 182, 515-523.	0.9	28
16	Controlled-rate freezer cryopreservation of highly concentrated peripheral blood mononuclear cells results in higher cell yields and superior autologous T-cell stimulation for dendritic cell-based immunotherapy. Cancer Immunology, Immunotherapy, 2012, 61, 2021-2031.	2.0	26
17	Health education decreases incidence of hand eczema in metal work apprentices: Results of a controlled intervention study. Contact Dermatitis, 2020, 82, 350-360.	0.8	24
18	CD40 ligation during dendritic cell maturation reduces cell death and prevents interleukinâ€10â€induced regression to macrophageâ€like monocytes. Experimental Dermatology, 2008, 17, 177-187.	1.4	23

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19	Past and present of computer-assisted dermoscopic diagnosis: performance of a conventional image analyser versus a convolutional neural network in a prospective data set of 1,981 skin lesions. European Journal of Cancer, 2020, 135, 39-46.	1.3	23
20	Patch test results with the European baseline series, 2019/20â€"Joint European results of the <scp>ESSCA</scp> and the <scp>EBS</scp> working groups of the <scp>ESCD</scp>, and the <scp>GEIDAC</scp>. Contact Dermatitis, 2022, 87, 343-355.	0.8	22
21	Transient epidermal barrier deficiency and lowered allergic threshold in filaggrinâ€hornerin (FlgHrnr^{â^'/â^'}) doubleâ€deficient mice. Allergy: European Journal of Allergy and Clinical Immunology, 2019, 74, 1327-1339.	2.7	21
22	Allergic Rhinitis to Weed Pollen in Germany: Dominance by Plantain, Rising Prevalence, and Polysensitization Rates over 20 Years. International Archives of Allergy and Immunology, 2020, 181, 128-135.	0.9	20
23	Melanoma thickness: the role of patientsâ€™ characteristics, risk indicators and patterns of diagnosis. Journal of the European Academy of Dermatology and Venereology, 2015, 29, 102-108.	1.3	19
24	Role of SNAREs in Atopic Dermatitisâ€"Related Cytokine Secretion and Skin-Nerve Communication. Journal of Investigative Dermatology, 2019, 139, 2324-2333.	0.3	18
25	Challenging a paradigm: skin sensitivity to sodium lauryl sulfate is independent of atopic diathesis. British Journal of Dermatology, 2020, 183, 139-145.	1.4	18
26	European patch test results with audit allergens as candidates for inclusion in the European Baseline Series, 2019/20: Joint results of the <scp>ESSCA^A</scp> and the <scp>EBS^B</scp> working groups of the <scp>ESCD</scp>, and the <scp>GEIDAC^C</scp>. Contact Dermatitis, 2022, 86, 379-389.	0.8	18
27	Contact sensitization to plants of the Compositae family: Data of the Information Network of Departments of Dermatology (IVDK) from 2007 to 2016. Contact Dermatitis, 2019, 80, 222-227.	0.8	17
28	The frequency of specific contact allergies is reduced in patients with psoriasis. British Journal of Dermatology, 2019, 180, 315-320.	1.4	15
29	Diagnosis of mycobacterial skin infections. JDDG - Journal of the German Society of Dermatology, 2019, 17, 889-893.	0.4	15
30	Contact sensitization in metalworkers: Data from the information network of departments of dermatology (<scp>IVDK</scp>), 2010â€"2018. Contact Dermatitis, 2020, 83, 487-496.	0.8	15
31	A 32-Year-Old Man With Ulcerative Mucositis, Skin Lesions, and Nail Dystrophy. Clinical Infectious Diseases, 2012, 54, 1035-1036.	2.9	14
32	Relevance of contact sensitizations in occupational dermatitis patients with special focus on patch testing of workplace materials. Contact Dermatitis, 2020, 83, 475-486.	0.8	14
33	Innate immune regulates cutaneous sensory IL-13 receptor alpha 2 to promote atopic dermatitis. Brain, Behavior, and Immunity, 2021, 98, 28-39.	2.0	14
34	Identification of a distinct subset of disease-associated gain-of-function missense mutations in the STAT1 coiled-coil domain as system mutants. Molecular Immunology, 2019, 114, 30-40.	1.0	13
35	The benefit of late readings in patch testing depends both on allergen and patient characteristics. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 1477-1485.	2.7	13
36	Patch testing with didecyldimethylammonium chloride. Contact Dermatitis, 2016, 74, 374-376.	0.8	12

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37	A 32-Year-Old Man With Ulcerative Mucositis, Skin Lesions, and Nail Dystrophy. Clinical Infectious Diseases, 2012, 54, 972-972.	2.9	11
38	Generalised cowpox virus infection. Lancet, The, 2017, 390, 1769.	6.3	11
39	Profile Shift in Latex Sensitization over the Last 20 Years. International Archives of Allergy and Immunology, 2019, 178, 83-88.	0.9	11
40	Contact allergy to 2â€aminoâ€2â€methylâ€1â€propanol in a metalworking fluid. Contact Dermatitis, 2019, 80, 323-324.	0.8	11
41	Assessment of occupational exposure and spectrum of contact sensitization in metalworkers with occupational dermatitis: results of a cohort study within the <scp>OCCUDERM</scp> project. Journal of the European Academy of Dermatology and Venereology, 2020, 34, 1536-1544.	1.3	11
42	A negative breakdown test in a fragrance mix Iâ€positive patient does not rule out contact allergy to its fragrance constituents. Contact Dermatitis, 2021, 84, 407-418.	0.8	11
43	European Surveillance System on Contact Allergies (ESSCA): Characteristics of patients patch tested and diagnosed with irritant contact dermatitis. Contact Dermatitis, 2021, 85, 186-197.	0.8	11
44	Identification of novel biomarkers to distinguish bradykininâ€mediated angioedema from mast cellâ€/histamineâ€mediated angioedema. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 946-955.	2.7	11
45	Management of suspected and confirmed<scp>COVID</scp>â€19 (<scp>SARSâ€CoV</scp>â€2) vaccine hypersensitivity. Allergy: European Journal of Allergy and Clinical Immunology, 2022, 77, 3426-3434.	2.7	11
46	The European Labelling Law for Foodstuffs Contains Life-Threatening Exemptions for Food-Allergic Consumers. International Archives of Allergy and Immunology, 2008, 146, 334-337.	0.9	10
47	Intracellular delivery of major histocompatibility complex class Iâ€binding epitopes: dendritic cells loaded and matured with cationic peptide/poly(I:C) complexes efficiently activate T cells. Experimental Dermatology, 2010, 19, 19-28.	1.4	10
48	Contact hypersensitivity to triclosan. Annals of Allergy, Asthma and Immunology, 2014, 113, 119-120.	0.5	10
49	The PLAUR signaling promotes chronic pruritus. FASEB Journal, 2022, 36, .	0.2	10
50	Peeking into immunoregulatory effects of phototherapy. Experimental Dermatology, 2016, 25, 511-512.	1.4	9
51	Sensitization rates to common inhaled allergens in Germany â€“ increase and change patterns over the last 20 years. JDDG - Journal of the German Society of Dermatology, 2021, 19, 37-44.	0.4	9
52	Atopic skin diathesis rather than atopic dermatitis is associated with specific contact allergies. JDDG - Journal of the German Society of Dermatology, 2021, 19, 231-240.	0.4	9
53	Low-Dose Gemcitabine Efficacious in Three Patients With Tumor-Stage Mycosis Fungoides. Clinical Lymphoma and Myeloma, 2009, 9, E21-E24.	1.4	8
54	In search of a better patch test concentration for povidoneâ€iodine. Contact Dermatitis, 2017, 77, 346-347.	0.8	8

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55	Contact dermatitis caused by diltiazem cream and crossâ€reactivity with other calcium channel blockers. Contact Dermatitis, 2018, 79, 244-246.	0.8	8
56	Interleukin 17 as a therapeutic target ofÂacute generalized exanthematous pustulosis (AGEP). Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 2081-2084.e2.	2.0	8
57	Sex- and Age-Dependent Changes in Polysensitization to Common Aeroallergens Over 20 Years. Journal of Asthma and Allergy, 2020, Volume 13, 725-730.	1.5	8
58	Treatment of Atopic Dermatitis Using a Full-Body Blue Light Device (AD-Blue): Protocol of a Randomized Controlled Trial. JMIR Research Protocols, 2019, 8, e11911.	0.5	8
59	Internalization routes of cellâ€penetrating melanoma antigen peptides into human dendritic cells. Experimental Dermatology, 2014, 23, 20-26.	1.4	6
60	Orf (ecthyma contagiosum) in a sheep and a shepherd. Lancet Infectious Diseases, The, 2018, 18, 122.	4.6	6
61	Sensitization to diphenylmethaneâ€diisocyanate isomers by a single accidental exposure. Contact Dermatitis, 2018, 78, 90-92.	0.8	5
62	Improving povidoneâ€iodine and iodine preparations for patch testing. Contact Dermatitis, 2021, 84, 332-337.	0.8	5
63	Contact sensitizations to disinfectants containing alcohols or quaternary ammonium compounds are rarely of clinical relevance. Contact Dermatitis, 2021, 85, 211-214.	0.8	5
64	More tolerance for dendritic cells in psoriasis. Experimental Dermatology, 2017, 26, 335-337.	1.4	4
65	Effective treatment of atopic dermatitis with dupilumab in an HIVâ€positive patient. JDDG - Journal of the German Society of Dermatology, 2020, 18, 1488-1490.	0.4	3
66	Is benzyl alcohol a significant contact sensitizer?. Journal of the European Academy of Dermatology and Venereology, 2022, 36, 866-872.	1.3	3
67	Contact sensitization to propolis in the Information Network of Departments of Dermatology (<scp>IVDK</scp>) 2013 to 2019 and market survey of propolis commerce in Germany. Contact Dermatitis, 2021, 85, 722-724.	0.8	2
68	Everything is connected in atopic dermatitis. JDDG - Journal of the German Society of Dermatology, 2022, 20, 565-566.	0.4	2
69	Workâ€related hazards due to oak processionary moths: a pilot survey on medical symptoms. Journal of the European Academy of Dermatology and Venereology, 2021, 35, e779-e782.	1.3	1
70	Common food flavors are safe in patients with urticaria or atopic dermatitis. Journal of Allergy and Clinical Immunology: in Practice, 2019, 7, 296-297.e1.	2.0	0
71	â€˜The need for doseâ€“response studies: time for a reminder?â€™ â€“ reply from the authors. British Journal of Dermatology, 2020, 183, 1148-1149.	1.4	0
72	Allergic Contact Dermatitis After Injection of Local Anesthetic. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 2060-2061.	2.0	0

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73	Customized immunology for precision medicine. JDDG - Journal of the German Society of Dermatology, 2021, 19, 335-336.	0.4	0
74	Contact allergy to topical diclofenac with systemic tolerance. Contact Dermatitis, 2022, 86, 41-43.	0.8	0
75	Very late reactions in the patch test with fragrance mix I and oak moss absolute (<i>Evernia) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Dermatitis, 2022, 86, 54-57.	0.8	0
76	Mycobacterial Infections of the Skin. , 2022, , 221-245.		0
77	Bei der atopischen Dermatitis hÃngt alles mit allem zusammen. JDDG - Journal of the German Society of Dermatology, 2022, 20, 565-566.	0.4	0
78	48. Jahrestagung der â€žArbeitsgemeinschaft Dermatologische Forschungâ€œ (ADF). JDDG - Journal of the German Society of Dermatology, 2022, 20, 736-737.	0.4	0