

Horst von Bernuth

List of Publications by Year in descending order

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Version: 2024-02-01

110
papers

9,395
citations

87843

38
h-index

40954

93
g-index

129
all docs

129
docs citations

129
times ranked

12691
citing authors

#	ARTICLE	IF	CITATIONS
1	Relieving job: Dupilumab in autosomal dominant STAT3 hyper-IgE syndrome. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2022, 10, 349-351.e1.	2.0	12
2	Human genetic and immunological determinants of critical COVID-19 pneumonia. <i>Nature</i> , 2022, 603, 587-598.	13.7	216
3	Adoptive transfer of exÂvivo expanded regulatory T cells improves immune cell engraftment and therapy-refractory chronic GvHD. <i>Molecular Therapy</i> , 2022, 30, 2298-2314.	3.7	16
4	Autoimmune PAP (aPAP) in children. <i>ERJ Open Research</i> , 2022, 8, 00701-2021.	1.1	2
5	Early and Rapid Identification of COVID-19 Patients with Neutralizing Type I Interferon Auto-antibodies. <i>Journal of Clinical Immunology</i> , 2022, 42, 1111-1129.	2.0	17
6	Case Report: Rubella Virus-Induced Cutaneous Granulomas in Two Pediatric Patients With DNA Double Strand Breakage Repair Disorders â€œ Outcome After Hematopoietic Stem Cell Transplantation. <i>Frontiers in Immunology</i> , 2022, 13, .	2.2	4
7	Cross-sectional seroprevalence surveys of SARS-CoV-2 antibodies in children in Germany, June 2020 to May 2021. <i>Nature Communications</i> , 2022, 13, .	5.8	16
8	Respiratory viral infections in otherwise healthy humans with inherited IRF7 deficiency. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	21
9	Recessive inborn errors of type I IFN immunity in children with COVID-19 pneumonia. <i>Journal of Experimental Medicine</i> , 2022, 219, .	4.2	59
10	Outcome of chronic granulomatous disease â€œConventional treatment vs stem cell transplantation. <i>Pediatric Allergy and Immunology</i> , 2021, 32, 576-585.	1.1	21
11	A structured patient empowerment programme for primary immunodeficiency significantly improves general and health-related quality of life. <i>Central-European Journal of Immunology</i> , 2021, 46, 244-249.	0.4	0
12	Upfront Enzyme Replacement via Erythrocyte Transfusions for PNP Deficiency. <i>Journal of Clinical Immunology</i> , 2021, 41, 1112-1115.	2.0	5
13	A Pathogenic Missense Variant in NFKB1 Causes Common Variable Immunodeficiency Due to Detrimental Protein Damage. <i>Frontiers in Immunology</i> , 2021, 12, 621503.	2.2	12
14	CD169/SIGLEC1 is expressed on circulating monocytes in COVID-19 and expression levels are associated with disease severity. <i>Infection</i> , 2021, 49, 757-762.	2.3	47
15	Initial presenting manifestations in 16,486 patients with inborn errors of immunity include infections and noninfectious manifestations. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 148, 1332-1341.e5.	1.5	75
16	Hematopoietic Stem Cell Transplantation Cures Therapy-refractory Aspergillosis in Chronic Granulomatous Disease. <i>Pediatric Infectious Disease Journal</i> , 2021, 40, 649-654.	1.1	3
17	Mild COVID-19 despite autoantibodies against type I IFNs in autoimmune polyendocrine syndrome type 1. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	70
18	Genetic Analysis of a Cohort of 275 Patients with Hyper-IgE Syndromes and/or Chronic Mucocutaneous Candidiasis. <i>Journal of Clinical Immunology</i> , 2021, 41, 1804-1838.	2.0	12

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19	The Influence of Perioperative Antibiotic Prophylaxis on Wound Infection and on the Colonization of Wound Drains in Patients After Correction of Craniosynostosis. <i>Frontiers in Pediatrics</i> , 2021, 9, 720074.	0.9	4
20	Maintenance of Elective Patient Care at Berlin University Children's Hospital During the COVID-19 Pandemic. <i>Frontiers in Pediatrics</i> , 2021, 9, 694963.	0.9	1
21	X-linked recessive TLR7 deficiency in ~1% of men under 60 years old with life-threatening COVID-19. <i>Science Immunology</i> , 2021, 6, .	5.6	267
22	Simple Measurement of IgA Predicts Immunity and Mortality in Ataxia-Telangiectasia. <i>Journal of Clinical Immunology</i> , 2021, 41, 1878-1892.	2.0	9
23	Use of gene expression profiling to identify candidate genes for pretherapeutic patient classification in acute appendicitis. <i>BJS Open</i> , 2021, 5, .	0.7	14
24	The expansion of human T-bet ^{high} CD21 ^{low} B cells is T cell dependent. <i>Science Immunology</i> , 2021, 6, eabh0891.	5.6	82
25	Rubella Virus Infected Macrophages and Neutrophils Define Patterns of Granulomatous Inflammation in Inborn and Acquired Errors of Immunity. <i>Frontiers in Immunology</i> , 2021, 12, 796065.	2.2	19
26	Impaired polysaccharide responsiveness without agammaglobulinaemia in three patients with hypomorphic mutations in Bruton Tyrosine Kinase – No detection by newborn screening for primary immunodeficiencies. <i>Scandinavian Journal of Immunology</i> , 2020, 91, e12811.	1.3	5
27	CD70 Deficiency Associated With Chronic Epstein-Barr Virus Infection, Recurrent Airway Infections and Severe Gingivitis in a 24-Year-Old Woman. <i>Frontiers in Immunology</i> , 2020, 11, 1593.	2.2	3
28	Treatment and management of primary antibody deficiency: German interdisciplinary evidence-based consensus guideline. <i>European Journal of Immunology</i> , 2020, 50, 1432-1446.	1.6	12
29	Newborn Screening for SCID and Other Severe Primary Immunodeficiency in the Polish-German Transborder Area: Experience From the First 14 Months of Collaboration. <i>Frontiers in Immunology</i> , 2020, 11, 1948.	2.2	18
30	Autoantibodies against cytokines: phenocopies of primary immunodeficiencies?. <i>Human Genetics</i> , 2020, 139, 783-794.	1.8	60
31	A Global Effort to Define the Human Genetics of Protective Immunity to SARS-CoV-2 Infection. <i>Cell</i> , 2020, 181, 1194-1199.	13.5	185
32	Incidence of SCID in Germany from 2014 to 2015 an ESPED* Survey on Behalf of the API*** Erhebungseinheit für Seltene Pädiatrische Erkrankungen in Deutschland (German Paediatric) <i>Trends in Microbiology</i> , 2020, 40, 708-717.	2.0	9
33	Gene Dose Effect of MEFV Gain-of-Function Mutations Determines ex vivo Neutrophil Activation in Familial Mediterranean Fever. <i>Frontiers in Immunology</i> , 2020, 11, 716.	2.2	23
34	Extended clinical and immunological phenotype and transplant outcome in CD27 and CD70 deficiency. <i>Blood</i> , 2020, 136, 2638-2655.	0.6	64
35	Risk Factors for Complicated Lymphadenitis Caused by Nontuberculous Mycobacteria in Children. <i>Emerging Infectious Diseases</i> , 2020, 26, 579-586.	2.0	6
36	T Cell Impairment Is Predictive for a Severe Clinical Course in NEMO Deficiency. <i>Journal of Clinical Immunology</i> , 2020, 40, 421-434.	2.0	10

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37	The German National Registry of Primary Immunodeficiencies (2012–2017). <i>Frontiers in Immunology</i> , 2019, 10, 1272.	2.2	71
38	Screening and treatment for tuberculosis in a cohort of unaccompanied minor refugees in Berlin, Germany. <i>PLoS ONE</i> , 2019, 14, e0216234.	1.1	13
39	Intravenous Artesunate for Imported Severe Malaria in Children Treated in Four Tertiary Care Centers in Germany. <i>Pediatric Infectious Disease Journal</i> , 2019, 38, e295-e300.	1.1	7
40	Severe infections of Panton-Valentine leukocidin positive <i>Staphylococcus aureus</i> in children. <i>Medicine (United States)</i> , 2019, 98, e17185.	0.4	33
41	Antibiotic Prophylaxis, Immunoglobulin Substitution and Supportive Measures Prevent Infections in MECP2 Duplication Syndrome. <i>Pediatric Infectious Disease Journal</i> , 2018, 37, 466-468.	1.1	13
42	Post-exposure prophylaxis for measles with immunoglobulins revised recommendations of the standing committee on vaccination in Germany. <i>Vaccine</i> , 2018, 36, 7916-7922.	1.7	16
43	Periorbital infections and conjunctivitis due to Panton-Valentine Leukocidin (PVL) positive <i>Staphylococcus aureus</i> in children. <i>BMC Infectious Diseases</i> , 2018, 18, 371.	1.3	13
44	Incomplete penetrance for isolated congenital asplenia in humans with mutations in translated and untranslated <i>RPSA</i> exons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E8007-E8016.	3.3	31
45	Life-threatening systemic rotavirus infection after vaccination in severe combined immunodeficiency (SCID). <i>Pediatric Allergy and Immunology</i> , 2017, 28, 841-843.	1.1	12
46	Targeted Gene Panel Sequencing for Early-onset Inflammatory Bowel Disease and Chronic Diarrhea. <i>Inflammatory Bowel Diseases</i> , 2017, 23, 2109-2120.	0.9	33
47	Scabies, Periorbital Cellulitis and Recurrent Skin Abscesses due to Panton-Valentine Leukocidin-Positive <i>Staphylococcus aureus</i> Mimic Hyper IgE Syndrome in an Infant. <i>Pediatric Infectious Disease Journal</i> , 2017, 36, e347-e348.	1.1	4
48	IgG subclass deficiencies in children: Facts and fiction. <i>Pediatric Allergy and Immunology</i> , 2017, 28, 521-524.	1.1	12
49	Fatal case of ataxia-telangiectasia complicated by severe epistaxis due to nasal telangiectasia in a 12-year-old boy. <i>Pediatric Allergy and Immunology</i> , 2017, 28, 711-712.	1.1	3
50	Persistent Skin Pouches Following Subcutaneous Immunoglobulin Infusions in a Girl with Immunodeficiency, Bullous Skin Lesions and Melanosis Oculi. <i>Journal of Clinical Immunology</i> , 2017, 37, 505-507.	2.0	1
51	Postexposure prophylaxis with intravenous immunoglobulin G prevents infants from getting measles. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2017, 106, 174-177.	0.7	4
52	Diverse stimuli engage different neutrophil extracellular trap pathways. <i>ELife</i> , 2017, 6, .	2.8	598
53	Inborn errors in RNA polymerase III underlie severe varicella zoster virus infections. <i>Journal of Clinical Investigation</i> , 2017, 127, 3543-3556.	3.9	125
54	Hemolysis after Oral Artemisinin Combination Therapy for Uncomplicated <i>Plasmodium falciparum</i> Malaria. <i>Emerging Infectious Diseases</i> , 2016, 22, 1381-1386.	2.0	39

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55	Daily subcutaneous administration of human C1 inhibitor in a child with hereditary angioedema type 1. <i>Pediatric Allergy and Immunology</i> , 2016, 27, 223-224.	1.1	5
56	Key findings to expedite the diagnosis of hyper-IgE syndromes in infants and young children. <i>Pediatric Allergy and Immunology</i> , 2016, 27, 177-184.	1.1	39
57	Correlation of Secretory Activity of Neutrophils With Genotype in Patients With Familial Mediterranean Fever. <i>Arthritis and Rheumatology</i> , 2016, 68, 3010-3022.	2.9	34
58	Fulminant Endophthalmitis in a Child Caused by <i>Neisseria meningitidis</i> Serogroup C Detected by Specific DNA. <i>Journal of the Pediatric Infectious Diseases Society</i> , 2016, 5, e13-e16.	0.6	2
59	Mutations in AP3D1 associated with immunodeficiency and seizures define a new type of Hermansky-Pudlak syndrome. <i>Blood</i> , 2016, 127, 997-1006.	0.6	142
60	Diagnostic and Treatment Options for Severe IBD in Female X-CGD Carriers with Non-random X-inactivation. <i>Journal of Crohn's and Colitis</i> , 2016, 10, 112-115.	0.6	29
61	Disease entities and microbiological results of 430 patients with non-CF bronchiectasis - Target for new diagnostics and therapies?. , 2016, , .		0
62	Neutrophil oxidative burst activates ATM to regulate cytokine production and apoptosis. <i>Blood</i> , 2015, 126, 2842-2851.	0.6	58
63	Septic arthritis or juvenile idiopathic arthritis - the case of a 2 year old boy. <i>Pediatric Allergy and Immunology</i> , 2015, 26, 389-391.	1.1	1
64	FRI0515...Neutrophil-Specific S100A12 Phenotype Correlates to Genotype in Familial Mediterranean Fever. <i>Annals of the Rheumatic Diseases</i> , 2015, 74, 615.1-615.	0.5	0
65	Neutrophils: Between Host Defence, Immune Modulation, and Tissue Injury. <i>PLoS Pathogens</i> , 2015, 11, e1004651.	2.1	532
66	Outcomes of mismatched and unrelated donor hematopoietic stem cell transplantation in Fanconi anemia conditioned with chemotherapy only. <i>Annals of Hematology</i> , 2015, 94, 1311-1318.	0.8	19
67	Infectious and Immunologic Phenotype of MECP2 Duplication Syndrome. <i>Journal of Clinical Immunology</i> , 2015, 35, 168-181.	2.0	35
68	Classification of common variable immunodeficiencies using flow cytometry and a memory B-cell functionality assay. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 135, 198-208.e5.	1.5	34
69	Combined immunodeficiency develops with age in Immunodeficiency-centromeric instability-facial anomalies syndrome 2 (ICF2). <i>Orphanet Journal of Rare Diseases</i> , 2014, 9, 116.	1.2	34
70	Liver Abscess Complicated by Diaphragm Perforation and Pleural Empyema Leads to the Discovery of Interleukin-1 Receptor-associated Kinase 4 Deficiency. <i>Pediatric Infectious Disease Journal</i> , 2014, 33, 767-769.	1.1	4
71	Diagnostic approach to microcephaly in childhood: a two-center study and review of the literature. <i>Developmental Medicine and Child Neurology</i> , 2014, 56, 732-741.	1.1	176
72	Systemic treatment with isotretinoin suppresses itraconazole blood level in chronic granulomatous disease. <i>Pediatric Allergy and Immunology</i> , 2014, 25, 405-407.	1.1	4

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73	A narrow repertoire of transcriptional modules responsive to pyogenic bacteria is impaired in patients carrying loss-of-function mutations in MYD88 or IRAK4. <i>Nature Immunology</i> , 2014, 15, 1134-1142.	7.0	75
74	Persistent pure red cell aplasia in dicygotic twins with persistent congenital parvovirus B19 infection—remission following high dose intravenous immunoglobulin. <i>European Journal of Pediatrics</i> , 2014, 173, 1723-1726.	1.3	12
75	X-linked inhibitor of apoptosis (XIAP) deficiency: The spectrum of presenting manifestations beyond hemophagocytic lymphohistiocytosis. <i>Clinical Immunology</i> , 2013, 149, 133-141.	1.4	158
76	Even in Pneumococcal Sepsis CD62L Shedding on Granulocytes Proves to be a Reliable Functional Test for the Diagnosis of Interleukin-1 Receptor-associated Kinase-4 Deficiency. <i>Pediatric Infectious Disease Journal</i> , 2013, 32, 1017-1019.	1.1	7
77	Experimental and natural infections in MyD88 and IRAK4 deficient mice and humans. <i>European Journal of Immunology</i> , 2012, 42, 3126-3135.	1.6	169
78	Hyperbilirubinemia and Rapid Fatal Hepatic Failure in Severe Combined Immunodeficiency Caused by Adenosine Deaminase Deficiency (ADA-SCID). <i>Klinische Padiatrie</i> , 2011, 223, 85-89.	0.2	13
79	Genome-wide Innate Immune Responsiveness Profiles of Patients with Inborn Errors of Toll-like Receptor Signaling. <i>Clinical Immunology</i> , 2010, 135, S27-S28.	1.4	0
80	Clinical Features and Outcome of Patients With IRAK-4 and MyD88 Deficiency. <i>Medicine (United States)</i> , 2010, 89, 403-425.	0.4	366
81	Diagnostisches Vorgehen beim Verdacht auf einen Primären Immundefekt (PID) / Diagnostic approach to suspected primary immunodeficiency. <i>Laboratoriums Medizin</i> , 2009, 33, 179-187.	0.1	3
82	Diagnostic approach when suspecting primary immunodeficiency (PID) 1. <i>Laboratoriums Medizin</i> , 2009, 33, -.	0.1	0
83	Delayed Onset of (Severe) Combined Immunodeficiency (S)CID (T-B+NK+): Complete IL-7 Receptor Deficiency in a 22 Months Old Girl. <i>Klinische Padiatrie</i> , 2009, 221, 339-343.	0.2	13
84	Pyogenic Bacterial Infections in Humans With MyD88 Deficiency. <i>Pediatrics</i> , 2009, 124, S154-S154.	1.0	2
85	The EUROclass trial: defining subgroups in common variable immunodeficiency. <i>Blood</i> , 2008, 111, 77-85.	0.6	722
86	F.70. Three New Cases of Interleukin-1 Receptor Associated Kinase 4 (IRAK-4) Deficiency with Novel Presentations: Pericarditis, Occult Liver and Paratracheal Abscesses, Novel Gene Mutations and the Utility of the Neutrophil CD62L (L-selectin) Shedding Assay for Screening for this Immunodeficiency. <i>Clinical Immunology</i> , 2008, 127, S66.	1.4	0
87	Pyogenic Bacterial Infections in Humans with MyD88 Deficiency. <i>Science</i> , 2008, 321, 691-696.	6.0	844
88	IRAK-4- and MyD88-Dependent Pathways Are Essential for the Removal of Developing Autoreactive B Cells in Humans. <i>Immunity</i> , 2008, 29, 746-757.	6.6	201
89	From Infectious Diseases to Primary Immunodeficiencies. <i>Immunology and Allergy Clinics of North America</i> , 2008, 28, 235-258.	0.7	25
90	Mutations in STAT3 and IL12RB1 impair the development of human IL-17-producing T cells. <i>Journal of Experimental Medicine</i> , 2008, 205, 1543-1550.	4.2	406

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91	Staphylococcal Pericarditis, and Liver and Paratracheal Abscesses as Presentations in Two New Cases of Interleukin-1 Receptor Associated Kinase 4 Deficiency. <i>Pediatric Infectious Disease Journal</i> , 2008, 27, 170-174.	1.1	29
92	Selective predisposition to bacterial infections in IRAK-4-deficient children: IRAK-4-dependent TLRs are otherwise redundant in protective immunity. <i>Journal of Experimental Medicine</i> , 2007, 204, 2407-2422.	4.2	374
93	TLR3 Deficiency in Patients with Herpes Simplex Encephalitis. <i>Science</i> , 2007, 317, 1522-1527.	6.0	970
94	Human Toll-like receptor-dependent induction of interferons in protective immunity to viruses. <i>Immunological Reviews</i> , 2007, 220, 225-236.	2.8	147
95	Successful unrelated bone marrow transplantation in a child with chronic granulomatous disease complicated by pulmonary and cerebral granuloma formation. <i>European Journal of Pediatrics</i> , 2007, 166, 785-788.	1.3	18
96	Inherited human IRAK-4 deficiency: an update. <i>Immunologic Research</i> , 2007, 38, 347-352.	1.3	40
97	Autosomal recessive Interleukin-1 receptor-associated kinase 4 deficiency in fourth-degree relatives. <i>Journal of Pediatrics</i> , 2006, 148, 549-551.	0.9	48
98	X-linked susceptibility to mycobacteria is caused by mutations in NEMO impairing CD40-dependent IL-12 production. <i>Journal of Experimental Medicine</i> , 2006, 203, 1745-1759.	4.2	264
99	IRAK4 and NEMO mutations in otherwise healthy children with recurrent invasive pneumococcal disease. <i>Journal of Medical Genetics</i> , 2006, 44, 16-23.	1.5	124
100	A Fast Procedure for the Detection of Defects in Toll-like Receptor Signaling. <i>Pediatrics</i> , 2006, 118, 2498-2503.	1.0	71
101	Benefit assessment of preventive medical check-ups in patients suffering from chronic granulomatous disease (CGD). <i>Journal of Evaluation in Clinical Practice</i> , 2005, 11, 513-521.	0.9	14
102	Inherited disorders of human Toll-like receptor signaling: immunological implications. <i>Immunological Reviews</i> , 2005, 203, 10-20.	2.8	129
103	Heritable defects of the human TLR signalling pathways. <i>Journal of Endotoxin Research</i> , 2005, 11, 220-224.	2.5	27
104	Septicemia without Sepsis: Inherited Disorders of Nuclear Factor- κ B-Mediated Inflammation. <i>Clinical Infectious Diseases</i> , 2005, 41, S436-S439.	2.9	45
105	<i>Shigella sonnei</i> Meningitis Due to Interleukin-1 Receptor-Associated Kinase-4 Deficiency: First Association with a Primary Immune Deficiency. <i>Clinical Infectious Diseases</i> , 2005, 40, 1227-1231.	2.9	66
106	Human TLR-7-, -8-, and -9-Mediated Induction of IFN- γ and $\text{I}\kappa\text{B}$ Is IRAK-4 Dependent and Redundant for Protective Immunity to Viruses. <i>Immunity</i> , 2005, 23, 465-478.	6.6	245
107	From idiopathic infectious diseases to novel primary immunodeficiencies. <i>Journal of Allergy and Clinical Immunology</i> , 2005, 116, 426-430.	1.5	57
108	Periodic fever, mild arthralgias, and reversible moderate and severe organ inflammation associated with the V198M mutation in the CIAS1 gene in three German patients - expanding phenotype of CIAS1 related autoinflammatory syndrome. <i>European Journal of Haematology</i> , 2004, 73, 123-127.	1.1	30

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109	NADPH oxidase is not required for spontaneous and Staphylococcus aureus-induced apoptosis of monocytes. <i>Annals of Hematology</i> , 2004, 83, 206-211.	0.8	8
110	Immunodeficiency with recurrent panlymphocytopenia, impaired maturation of B lymphocytes, impaired interaction of T and B lymphocytes, and impaired integrity of epithelial tissue: A variant of idiopathic CD4+ $\alpha\beta$ T lymphocytopenia?. <i>Pediatric Allergy and Immunology</i> , 2002, 13, 381-384.	1.1	7