

# Johannes TrÃ¼ck

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

1,721  
citations

304743

22  
h-index

345221

36  
g-index

77  
all docs

77  
docs citations

77  
times ranked

2398  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Identification of Antigen-Specific B Cell Receptor Sequences Using Public Repertoire Analysis. <i>Journal of Immunology</i> , 2015, 194, 252-261.   | 0.8  | 115       |
| 2  | Studying the antibody repertoire after vaccination: practical applications. <i>Trends in Immunology</i> , 2014, 35, 319-331.  | 6.8  | 110       |
| 3  | In-Depth Assessment of Within-Individual and Inter-Individual Variation in the B Cell Receptor Repertoire. <i>Frontiers in Immunology</i> , 2015, 6, 531.   | 4.8  | 92        |
| 4  | Analysis of B Cell Repertoire Dynamics Following Hepatitis B Vaccination in Humans, and Enrichment of Vaccine-specific Antibody Sequences. <i>EBioMedicine</i> , 2015, 2, 2070-2079.  | 6.1  | 92        |
| 5  | BCR repertoire sequencing: different patterns of B cell activation after two Meningococcal vaccines. <i>Immunology and Cell Biology</i> , 2015, 93, 885-895.  | 2.3  | 83        |
| 6  | Architecture and function of human uromodulin filaments in urinary tract infections. <i>Science</i> , 2020, 369, 1005-1010.   | 12.6 | 81        |
| 7  | B-cell repertoire dynamics after sequential hepatitis B vaccination and evidence for cross-reactive B-cell activation. <i>Genome Medicine</i> , 2016, 8, 68.  | 8.2  | 64        |
| 8  | The Antibody-Secreting Cell Response to Infection: Kinetics and Clinical Applications. <i>Frontiers in Immunology</i> , 2017, 8, 630.   | 4.8  | 64        |
| 9  | Investigating the effect of AS03 adjuvant on the plasma cell repertoire following pH1N1 influenza vaccination. <i>Scientific Reports</i> , 2016, 6, 37229.  | 3.3  | 53        |
| 10 | Best Practice Recommendations for the Diagnosis and Management of Children With Pediatric Inflammatory Multisystem Syndrome Temporally Associated With SARS-CoV-2 (PIMS-TS; Multisystem TJS)   <i>EBioMedicine</i>   <a href="#">Open Access</a>   <a href="#">Full Text</a>   <a href="#">Download PDF</a>   <a href="#">View Article</a>   <a href="#">View Abstract</a>   <a href="#">View Full Text</a>   <a href="#">View References</a>   <a href="#">View Citations</a>   <a href="#">View Comments</a>   <a href="#">View Metrics</a>   <a href="#">View Alerts</a>   <a href="#">View History</a>   <a href="#">View Profile</a>   <a href="#">View Settings</a>   <a href="#">View Help</a>   <a href="#">View Privacy</a>   <a href="#">View Terms</a>   <a href="#">View Cookies</a>   <a href="#">View Security</a>   <a href="#">View Accessibility</a>   <a href="#">View Feedback</a>   <a href="#">View Support</a>   <a href="#">View Contact</a>   <a href="#">View About</a>   <a href="#">View Footer</a>   <a href="#">View Page</a>   <a href="#">View Page 10 of 10</a> |      |           |
| 11 | How B-Cell Receptor Repertoire Sequencing Can Be Enriched with Structural Antibody Data. <i>Frontiers in Immunology</i> , 2017, 8, 1753.  | 4.8  | 48        |
| 12 | Maturation of the Human Immunoglobulin Heavy Chain Repertoire With Age. <i>Frontiers in Immunology</i> , 2020, 11, 1734.  | 4.8  | 46        |
| 13 | B cell receptor repertoire sequencing in patients with primary immunodeficiency: a review. <i>Immunology</i> , 2018, 153, 145-160.  | 4.4  | 44        |
| 14 | Polysaccharide-specific B cell responses to vaccination in humans. <i>Human Vaccines and Immunotherapeutics</i> , 2014, 10, 1661-1668.  | 3.3  | 42        |
| 15 | Benchmarking immunoinformatic tools for the analysis of antibody repertoire sequences. <i>Bioinformatics</i> , 2020, 36, 1731-1739.   | 4.1  | 39        |
| 16 | A human monoclonal antibody blocks malaria transmission and defines a highly conserved neutralizing epitope on gametes. <i>Nature Communications</i> , 2021, 12, 1750.  | 12.8 | 39        |
| 17 | Sex-dependent immune responses to infant vaccination: an individual participant data meta-analysis of antibody and memory B cells. <i>Vaccine</i> , 2016, 34, 1657-1664.  | 3.8  | 38        |
| 18 | Swiss consensus recommendations on urinary tract infections in children. <i>European Journal of Pediatrics</i> , 2021, 180, 663-674.  | 2.7  | 38        |

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|----|---|-----|-----------|
| 19 | Structurally Mapping Antibody Repertoires. <i>Frontiers in Immunology</i> , 2018, 9, 1698.  | 4.8 | 36        |
| 20 | Diagnosis of <i>Mycoplasma pneumoniae</i> Pneumonia with Measurement of Specific Antibody-Secreting Cells. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 1066-1069.  | 5.6 | 32        |
| 21 | Structural diversity of B-cell receptor repertoires along the B-cell differentiation axis in humans and mice. <i>PLoS Computational Biology</i> , 2020, 16, e1007636.   | 3.2 | 27        |
| 22 | Effect of cryopreservation of peripheral blood mononuclear cells (PBMCs) on the variability of an antigen-specific memory B cell ELISpot. <i>Human Vaccines and Immunotherapeutics</i> , 2014, 10, 2490-2496.   | 3.3 | 24        |
| 23 | Circulating Antibody-Secreting Cell Response During <i>Mycoplasma pneumoniae</i> Childhood Pneumonia. <i>Journal of Infectious Diseases</i> , 2020, 222, 136-147.   | 4.0 | 24        |
| 24 | Case Report: Case Series of Children With Multisystem Inflammatory Syndrome Following SARS-CoV-2 Infection in Switzerland. <i>Frontiers in Pediatrics</i> , 2020, 8, 594127.  | 1.9 | 24        |
| 25 | Different B cell subpopulations show distinct patterns in their IgH repertoire metrics. <i>ELife</i> , 2021, 10, .  | 6.0 | 22        |
| 26 | Biological controls for standardization and interpretation of adaptive immune receptor repertoire profiling. <i>ELife</i> , 2021, 10, .   | 6.0 | 21        |
| 27 | The Effect of Chronic Cytomegalovirus Infection on Pneumococcal Vaccine Responses. <i>Journal of Infectious Diseases</i> , 2014, 209, 1635-1641.  | 4.0 | 19        |
| 28 | Variable phenotype and discrete alterations of immune phenotypes in CTP synthase 1 deficiency: Report of 2 siblings. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 138, 1722-1725.e6.   | 2.9 | 18        |
| 29 | Erythropoiesis defect observed in STAT3 GOF patients with severe anemia. <i>Journal of Allergy and Clinical Immunology</i> , 2020, 145, 1297-1301.  | 2.9 | 18        |
| 30 | Pneumococcal Polysaccharide Vaccine Efficacy and Routine Use of Conjugate Vaccines in Infants: There Is No Need for a Vaccine Program in Older Adults at Present. <i>Clinical Infectious Diseases</i> , 2012, 55, 1577-1579.                                  | 5.8 | 17        |
| 31 | Swiss newborn screening for severe T and B cell deficiency with a combined TREC/KREC assay – management recommendations. <i>Swiss Medical Weekly</i> , 2020, 150, w20254.   | 1.6 | 17        |
| 32 | Curation and expansion of Human Phenotype Ontology for defined groups of inborn errors of immunity. <i>Journal of Allergy and Clinical Immunology</i> , 2022, 149, 369-378.   | 2.9 | 16        |
| 33 | The zwitterionic type I <i>Streptococcus pneumoniae</i> polysaccharide does not induce memory B cell formation in humans. <i>Immunobiology</i> , 2013, 218, 368-372.  | 1.9 | 15        |
| 34 | Identification of Antigen-Specific B-Cell Receptor Sequences from the Total B-Cell Repertoire. <i>Critical Reviews in Immunology</i> , 2015, 35, 463-478.   | 0.5 | 15        |
| 35 | The Antibody Response Following a Booster With Either a 10- or 13-valent Pneumococcal Conjugate Vaccine in Toddlers Primed With a 13-valent Pneumococcal Conjugate Vaccine in Early Infancy. <i>Pediatric Infectious Disease Journal</i> , 2016, 35, 787-793. | 2.0 | 14        |
| 36 | Hematopoietic stem cell transplantation for cytidine triphosphate synthase 1 (CTPS1) deficiency. <i>Bone Marrow Transplantation</i> , 2019, 54, 130-133.  | 2.4 | 13        |

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|----|---|-----|-----------|
| 37 | Whole-exome Sequencing for the Identification of Rare Variants in Primary Immunodeficiency Genes in Children With Sepsis: A Prospective, Population-based Cohort Study. <i>Clinical Infectious Diseases</i> , 2020, 71, e614-e623.                    | 5.8 | 12        |
| 38 | Interseasonal RSV infections in Switzerland – rapid establishment of a clinician-led national reporting system (RSV EpiCH). <i>Swiss Medical Weekly</i> , 2021, 151, w30057.  | 1.6 | 12        |
| 39 | Antimalarial antibody repertoire defined by plasma IG proteomics and single B cell IG sequencing. <i>JCI Insight</i> , 2020, 5, .   | 5.0 | 12        |
| 40 | Pneumococcal Serotype-Specific Antibodies Persist through Early Childhood after Infant Immunization: Follow-Up from a Randomized Controlled Trial. <i>PLoS ONE</i> , 2014, 9, e91413.   | 2.5 | 12        |
| 41 | Use of the 13-valent pneumococcal conjugate vaccine in children and adolescents aged 6 – 17 years. <i>Expert Opinion on Biological Therapy</i> , 2013, 13, 1451-1465.   | 3.1 | 11        |
| 42 | Promoting Breastfeeding and Interaction of Pediatric Associations With Providers of Nutritional Products. <i>Frontiers in Pediatrics</i> , 2020, 8, 562870.   | 1.9 | 11        |
| 43 | Gout in pediatric renal transplant recipients. <i>Pediatric Nephrology</i> , 2010, 25, 2535-2538.   | 1.7 | 10        |
| 44 | Challenges in immunisation against bacterial infection in children. <i>Early Human Development</i> , 2010, 86, 695-701.   | 1.8 | 10        |
| 45 | Nonotogenic Skull Base Osteomyelitis in Children. <i>Pediatric Infectious Disease Journal</i> , 2015, 34, 1025-1027.  | 2.0 | 10        |
| 46 | Divergent Memory B Cell Responses in a Mixed Infant Pneumococcal Conjugate Vaccine Schedule. <i>Pediatric Infectious Disease Journal</i> , 2017, 36, e130-e135.   | 2.0 | 10        |
| 47 | Life-Threatening Primary Varicella Zoster Virus Infection With Hemophagocytic Lymphohistiocytosis-Like Disease in GATA2 Haploinsufficiency Accompanied by Expansion of Double Negative T-Lymphocytes. <i>Frontiers in Immunology</i> , 2018, 9, 2766. | 4.8 | 10        |
| 48 | Congenital syphilis in Switzerland: gone, forgotten, on the return. <i>Swiss Medical Weekly</i> , 2012, 141, w13325.  | 1.6 | 9         |
| 49 | Memory B cell response to a PCV-13 booster in 3.5 year old children primed with either PCV-7 or PCV-13. <i>Vaccine</i> , 2017, 35, 2701-2708.   | 3.8 | 8         |
| 50 | Inferring B cell specificity for vaccines using a Bayesian mixture model. <i>BMC Genomics</i> , 2020, 21, 176.  | 2.8 | 8         |
| 51 | Editorial: The Immunology of Sepsis – Understanding Host Susceptibility, Pathogenesis of Disease, and Avenues for Future Treatment. <i>Frontiers in Immunology</i> , 2020, 11, 1263.  | 4.8 | 6         |
| 52 | X-Linked Lymphoproliferative Disease Mimicking Multisystem Inflammatory Syndrome in Children – A Case Report. <i>Frontiers in Pediatrics</i> , 2021, 9, 691024.   | 1.9 | 6         |
| 53 | A simple scoring system to train surgeons in basic laparoscopic skills. <i>Pediatric Surgery International</i> , 2016, 32, 245-252.   | 1.4 | 4         |
| 54 | Changes in epigenetic profiles throughout early childhood and their relationship to the response to pneumococcal vaccination. <i>Clinical Epigenetics</i> , 2021, 13, 29.   | 4.1 | 4         |

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|----|--|-----|-----------|
| 55 | Visceral leishmaniasis in an infant following a holiday trip to Spain. <i>BMJ Case Reports</i> , 2015, 2015, bcr2015209484-bcr2015209484.  | 0.5 | 3         |
| 56 | Lymphadenopathy driven by TCR-V $\beta$ 8V $\beta$ 1 T-cell expansion in FAS-related autoimmune lymphoproliferative syndrome. <i>Blood Advances</i> , 2017, 1, 1101-1106.                            | 5.2 | 3         |
| 57 | Development of adaptive immune cells and receptor repertoires from infancy to adulthood. <i>Current Opinion in Systems Biology</i> , 2020, 24, 51-55.  | 2.6 | 3         |
| 58 | B cell clonal expansion and mutation in the immunoglobulin heavy chain variable domain in response to Pfs230 and Pfs25 malaria vaccines. <i>International Journal for Parasitology</i> , 2021, , .   | 3.1 | 3         |
| 59 | Screening for Immunodeficiencies in Children With Invasive Pneumococcal Disease: Six-year Experience From a UK Children's Hospital. <i>Pediatric Infectious Disease Journal</i> , 2022, 41, 575-578. | 2.0 | 3         |
| 60 | AIRR Community Guide to Planning and Performing AIRR-Seq Experiments. <i>Methods in Molecular Biology</i> , 2022, , 261-278.   | 0.9 | 3         |
| 61 | Differences in Immunization Site Pain in Toddlers Vaccinated With Either the 10- or the 13-Valent Pneumococcal Conjugate Vaccine. <i>Pediatric Infectious Disease Journal</i> , 2018, 37, e103-e106. | 2.0 | 2         |
| 62 | Genetic material should be routinely collected in clinical vaccine trials – High consent rates can be achieved across all age groups. <i>Vaccine</i> , 2013, 31, 2744-2748.                          | 3.8 | 1         |
| 63 | Febrile Seizures in Children during the Influenza A (H1N1) Pandemic 2009/2010. <i>Klinische Padiatrie</i> , 2011, 223, 438-439.  | 0.6 | 0         |
| 64 | Angeborene Immundefekte mit vorwiegender Störung der Antikörperproduktion. <i>Springer Reference Medizin</i> , 2020, , 1-12.   | 0.0 | 0         |
| 65 | Title is missing!. , 2020, 16, e1007636.   |     | 0         |
| 66 | Title is missing!. , 2020, 16, e1007636.   |     | 0         |
| 67 | Title is missing!. , 2020, 16, e1007636.   |     | 0         |
| 68 | Title is missing!. , 2020, 16, e1007636.   |     | 0         |