

Andreas Bergthaler

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

4,645
citations

117625

34
h-index

114465

63
g-index

94
all docs

94
docs citations

94
times ranked

9025
citing authors

#	ARTICLE	IF	CITATIONS
1	Human recombinant soluble ACE2 in severe COVID-19. <i>Lancet Respiratory Medicine</i> , 2020, 8, 1154-1158.	10.7	340
2	Interferons Direct Th2 Cell Reprogramming to Generate a Stable GATA-3+T-bet+ Cell Subset with Combined Th2 and Th1 Cell Functions. <i>Immunity</i> , 2010, 32, 116-128.	14.3	302
3	Structural cells are key regulators of organ-specific immune responses. <i>Nature</i> , 2020, 583, 296-302.	27.8	292
4	Circulating and Tissue-Resident CD4+ T Cells With Reactivity to Intestinal Microbiota Are Abundant in Healthy Individuals and Function Is Altered During Inflammation. <i>Gastroenterology</i> , 2017, 153, 1320-1337.e16.	1.3	246
5	Genomic epidemiology of superspreading events in Austria reveals mutational dynamics and transmission properties of SARS-CoV-2. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	203
6	Recovery of an arenavirus entirely from RNA polymerase I/II-driven cDNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 4663-4668.	7.1	150
7	Immunoprivileged status of the liver is controlled by Toll-like receptor 3 signaling. <i>Journal of Clinical Investigation</i> , 2006, 116, 2456-2463.	8.2	150
8	SARS-CoV-2 mutations in MHC-I-restricted epitopes evade CD8 ⁺ T cell responses. <i>Science Immunology</i> , 2021, 6, .	11.9	143
9	A FOXO3-IRF7 gene regulatory circuit limits inflammatory sequelae of antiviral responses. <i>Nature</i> , 2012, 490, 421-425.	27.8	139
10	Arenavirus Glycan Shield Promotes Neutralizing Antibody Evasion and Protracted Infection. <i>PLoS Pathogens</i> , 2015, 11, e1005276.	4.7	138
11	Increased susceptibility to bacterial superinfection as a consequence of innate antiviral responses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15535-15539.	7.1	129
12	Development of replication-defective lymphocytic choriomeningitis virus vectors for the induction of potent CD8+ T cell immunity. <i>Nature Medicine</i> , 2010, 16, 339-345.	30.7	122
13	The methyltransferase Setdb2 mediates virus-induced susceptibility to bacterial superinfection. <i>Nature Immunology</i> , 2015, 16, 67-74.	14.5	120
14	MiR-155-regulated molecular network orchestrates cell fate in the innate and adaptive immune response to <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6172-E6181.	7.1	109
15	T Cell-Dependence of Lassa Fever Pathogenesis. <i>PLoS Pathogens</i> , 2010, 6, e1000836.	4.7	89
16	Selective Mediator dependence of cell-type-specifying transcription. <i>Nature Genetics</i> , 2020, 52, 719-727.	21.4	84
17	Viral variant-resolved wastewater surveillance of SARS-CoV-2 at national scale. <i>Nature Biotechnology</i> , 2022, 40, 1814-1822.	17.5	82
18	Viral replicative capacity is the primary determinant of lymphocytic choriomeningitis virus persistence and immunosuppression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 21641-21646.	7.1	80

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19	Impaired Antibody Response Causes Persistence of Prototypic T Cell–Contained Virus. <i>PLoS Biology</i> , 2009, 7, e1000080.	5.6	78
20	Epistasis-driven identification of SLC25A51 as a regulator of human mitochondrial NAD import. <i>Nature Communications</i> , 2020, 11, 6145.	12.8	78
21	Neuroprotective intervention by interferon- β blockade prevents CD8+ T cell–mediated dendrite and synapse loss. <i>Journal of Experimental Medicine</i> , 2013, 210, 2087-2103.	8.5	77
22	Coexistence of <i>Bos taurus</i> and <i>B. indicus</i> Mitochondrial DNAs in Nuclear Transfer-Derived Somatic Cattle Clones. <i>Genetics</i> , 2002, 162, 823-829.	2.9	74
23	Systemic Immunometabolism: Challenges and Opportunities. <i>Immunity</i> , 2020, 53, 496-509.	14.3	73
24	Type I Interferon Signaling Disrupts the Hepatic Urea Cycle and Alters Systemic Metabolism to Suppress T Cell Function. <i>Immunity</i> , 2019, 51, 1074-1087.e9.	14.3	72
25	Severe Coronavirus Disease 2019 (COVID-19) is Associated With Elevated Serum Immunoglobulin (Ig) A and Antiphospholipid IgA Antibodies. <i>Clinical Infectious Diseases</i> , 2021, 73, e2869-e2874.	5.8	69
26	The interplay of immunology and cachexia in infection and cancer. <i>Nature Reviews Immunology</i> , 2022, 22, 309-321.	22.7	69
27	CD8+ T cells induce cachexia during chronic viral infection. <i>Nature Immunology</i> , 2019, 20, 701-710.	14.5	62
28	AIF-regulated oxidative phosphorylation supports lung cancer development. <i>Cell Research</i> , 2019, 29, 579-591.	12.0	58
29	Extralymphatic virus sanctuaries as a consequence of potent T-cell activation. <i>Nature Medicine</i> , 2007, 13, 1316-1323.	30.7	54
30	Dynamics of CD4 T Cell and Antibody Responses in COVID-19 Patients With Different Disease Severity. <i>Frontiers in Medicine</i> , 2020, 7, 592629.	2.6	54
31	Inverse Data-Driven Modeling and Multiomics Analysis Reveals Phgdh as a Metabolic Checkpoint of Macrophage Polarization and Proliferation. <i>Cell Reports</i> , 2020, 30, 1542-1552.e7.	6.4	52
32	Superoxide Dismutase 1 Protects Hepatocytes from Type I Interferon-Driven Oxidative Damage. <i>Immunity</i> , 2015, 43, 974-986.	14.3	50
33	Hematopoietic cell–derived interferon controls viral replication and virus-induced disease. <i>Blood</i> , 2009, 113, 1045-1052.	1.4	48
34	Emergence of coronavirus disease 2019 (COVID-19) in Austria. <i>Wiener Klinische Wochenschrift</i> , 2020, 132, 645-652.	1.9	46
35	The ERBB-STAT3 Axis Drives Tasmanian Devil Facial Tumor Disease. <i>Cancer Cell</i> , 2019, 35, 125-139.e9.	16.8	43
36	ACE2 is the critical in vivo receptor for SARS-CoV-2 in a novel COVID-19 mouse model with TNF- and IFN β -driven immunopathology. <i>ELife</i> , 2022, 11, .	6.0	42

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37	Environmental arginine controls multinuclear giant cell metabolism and formation. <i>Nature Communications</i> , 2020, 11, 431.	12.8	37
38	Contributions of the lymphocytic choriomeningitis virus glycoprotein and polymerase to strain-specific differences in murine liver pathogenicity. <i>Journal of General Virology</i> , 2007, 88, 592-603.	2.9	35
39	Secreted IgM deficiency leads to increased BCR signaling that results in abnormal splenic B cell development. <i>Scientific Reports</i> , 2017, 7, 3540.	3.3	34
40	MyD88 protects from lethal encephalitis during infection with vesicular stomatitis virus. <i>European Journal of Immunology</i> , 2007, 37, 2434-2440.	2.9	27
41	The immune system as a social network. <i>Nature Immunology</i> , 2017, 18, 481-482.	14.5	26
42	Envelope Exchange for the Generation of Live-Attenuated Arenavirus Vaccines. <i>PLoS Pathogens</i> , 2006, 2, e51.	4.7	25
43	Acetylation of the Cd8 Locus by KAT6A Determines Memory T Cell Diversity. <i>Cell Reports</i> , 2016, 16, 3311-3321.	6.4	25
44	MicroRNA-155 Controls T Helper Cell Activation During Viral Infection. <i>Frontiers in Immunology</i> , 2019, 10, 1367.	4.8	24
45	The PI3K pathway preserves metabolic health through MARCO-dependent lipid uptake by adipose tissue macrophages. <i>Nature Metabolism</i> , 2020, 2, 1427-1442.	11.9	24
46	Repression of the B cell identity factor Pax5 is not required for plasma cell development. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	20
47	24-Norursodeoxycholic acid reshapes immunometabolism in CD8+ T cells and alleviates hepatic inflammation. <i>Journal of Hepatology</i> , 2021, 75, 1164-1176.	3.7	20
48	T cells can mediate viral clearance from ependyma but not from brain parenchyma in a major histocompatibility class I- and perforin-independent manner. <i>Brain</i> , 2010, 133, 1054-1066.	7.6	19
49	Characterization of host proteins interacting with the lymphocytic choriomeningitis virus L protein. <i>PLoS Pathogens</i> , 2017, 13, e1006758.	4.7	19
50	Inactivation of mTORC2 in macrophages is a signature of colorectal cancer that promotes tumorigenesis. <i>JCI Insight</i> , 2019, 4, .	5.0	19
51	Protective Efficacy of Individual CD8+ T Cell Specificities in Chronic Viral Infection. <i>Journal of Immunology</i> , 2015, 194, 1755-1762.	0.8	18
52	Evolution of Recombinant Lymphocytic Choriomeningitis Virus/Lassa Virus <i>In Vivo</i> Highlights the Importance of the GPC Cytosolic Tail in Viral Fitness. <i>Journal of Virology</i> , 2014, 88, 8340-8348.	3.4	17
53	T cell STAT3 is required for the maintenance of humoral immunity to LCMV. <i>European Journal of Immunology</i> , 2015, 45, 418-427.	2.9	17
54	Emergence of SARS-CoV-2 Alpha lineage and its correlation with quantitative wastewater-based epidemiology data. <i>Water Research</i> , 2022, 215, 118257.	11.3	17

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55	The versatility of external quality assessment for the surveillance of laboratory and <i>in vitro</i> diagnostic performance: SARS-CoV-2 viral genome detection in Austria. <i>Clinical Chemistry and Laboratory Medicine</i> , 2021, 59, 1735-1744.	2.3	14
56	Response to comment on "Genomic epidemiology of superspreading events in Austria reveals mutational dynamics and transmission properties of SARS-CoV-2". <i>Science Translational Medicine</i> , 2021, 13, eabj3222.	12.4	14
57	Innate and adaptive immune control of genetically engineered live-attenuated arenavirus vaccine prototypes. <i>International Immunology</i> , 2010, 22, 749-756.	4.0	13
58	Functional Limitations of Plasmacytoid Dendritic Cells Limit Type I Interferon, T Cell Responses and Virus Control in Early Life. <i>PLoS ONE</i> , 2013, 8, e85302.	2.5	13
59	Human tripartite motif protein 52 is required for cell context-dependent proliferation. <i>Oncotarget</i> , 2018, 9, 13565-13581.	1.8	13
60	The lipid-sensor TREM2 aggravates disease in a model of LCMV-induced hepatitis. <i>Scientific Reports</i> , 2017, 7, 11289.	3.3	12
61	A crucial role for Jagunal homolog 1 in humoral immunity and antibody glycosylation in mice and humans. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	11
62	A novel <i>Cd8-cis</i> -regulatory element preferentially directs expression in CD44 ^{hi} CD62L ⁺ CD8 ⁺ T cells and in CD8 ⁺ dendritic cells. <i>Journal of Leukocyte Biology</i> , 2015, 97, 635-644.	3.3	10
63	Cutaneous manifestations of SARS-CoV-2: A 2-center, prospective, case-controlled study. <i>Journal of the American Academy of Dermatology</i> , 2021, 85, 202-204.	1.2	8
64	Macrophage mitochondrial bioenergetics and tissue invasion are boosted by an Atossa-Porthos axis in <i>Drosophila</i> . <i>EMBO Journal</i> , 2022, 41, e109049.	7.8	8
65	Platelets mediate serological memory to neutralize viruses <i>in vitro</i> and <i>in vivo</i> . <i>Blood Advances</i> , 2020, 4, 3971-3976.	5.2	7
66	Metabolic drug survey highlights cancer cell dependencies and vulnerabilities. <i>Nature Communications</i> , 2021, 12, 7190.	12.8	7
67	Hepatocyte-intrinsic type I interferon signaling reprograms metabolism and reveals a novel compensatory mechanism of the tryptophan-kynurenine pathway in viral hepatitis. <i>PLoS Pathogens</i> , 2020, 16, e1008973.	4.7	6
68	Slow viral propagation during initial phase of infection leads to viral persistence in mice. <i>Communications Biology</i> , 2021, 4, 508.	4.4	6
69	T Cell-Intrinsic CDK6 Is Dispensable for Anti-Viral and Anti-Tumor Responses <i>In Vivo</i> . <i>Frontiers in Immunology</i> , 2021, 12, 650977.	4.8	4
70	Complex Interplay Between MAZR and Runx3 Regulates the Generation of Cytotoxic T Lymphocyte and Memory T Cells. <i>Frontiers in Immunology</i> , 2021, 12, 535039.	4.8	3
71	<i>Listeria monocytogenes</i> infection rewires host metabolism with regulatory input from type I interferons. <i>PLoS Pathogens</i> , 2021, 17, e1009697.	4.7	3
72	Rapid, early and accurate SARS-CoV-2 detection using RT-qPCR in primary care: a prospective cohort study (REAP-1). <i>BMJ Open</i> , 2021, 11, e045225.	1.9	3

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73	Immunometabolism pathways as the basis for innovative anti-viral strategies (INITIATE): A Marie Skłodowska-Curie innovative training network. <i>Virus Research</i> , 2020, 287, 198094.	2.2	2
74	The serineâ€™s call: Suppressing interferon responses. <i>Cell Metabolism</i> , 2021, 33, 849-850.	16.2	2
75	PS-O10-24-nor-ursodeoxycholic acid ameliorates inflammation by reshaping mTOR proteome and immunometabolism sensing programs in CD8 T-cells. <i>Journal of Hepatology</i> , 2019, 70, e9-e10.	3.7	1
76	Characterization of CD8 T Cell-Mediated Mutations in the Immunodominant Epitope GP33-41 of Lymphocytic Choriomeningitis Virus. <i>Frontiers in Immunology</i> , 2021, 12, 638485.	4.8	1
77	Abstract A070: Virotherapy eradicates established melanoma by reprogramming the tumor microenvironment and engaging the adaptive immunity. , 2019, , .		1
78	Neuroprotective intervention by interferon-Î³ blockade prevents CD8+ T cell-mediated dendrite and synapse loss. <i>Journal of Cell Biology</i> , 2013, 202, 202601A90.	5.2	0
79	Systematic assessment of LCMV based vaccine vectors expressing melanocyte differentiation antigens in human in vitro assays and in mouse melanoma models.. <i>Journal of Clinical Oncology</i> , 2019, 37, e14299-e14299.	1.6	0