Andreas Bergthaler

List of Publications by Year
in descending order

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	The interplay of immunology and cachexia in infection and cancer. Nature Reviews Immunology, 2022, 22, 309-321.	22.7	69
2	ACE2 is the critical in vivo receptor for SARS-CoV-2 in a novel COVID-19 mouse model with TNF- and IFNÎ³-driven immunopathology. ELife, 2022, 11, .	6.0	42
3	Emergence of SARS-CoV-2 Alpha lineage and its correlation with quantitative wastewater-based epidemiology data. Water Research, 2022, 215, 118257.	11.3	17
4	Macrophage mitochondrial bioenergetics and tissue invasion are boosted by an Atossaâ€Porthos axis in Drosophila. EMBO Journal, 2022, 41, e109049.	7.8	8
5	Viral variant-resolved wastewater surveillance of SARS-CoV-2 at national scale. Nature Biotechnology, 2022, 40, 1814-1822.	17.5	82
6	Severe Coronavirus Disease 2019 (COVID-19) is Associated With Elevated Serum Immunoglobulin (Ig) A and Antiphospholipid IgA Antibodies. Clinical Infectious Diseases, 2021, 73, e2869-e2874.	5.8	69
7	A crucial role for Jagunal homolog 1 in humoral immunity and antibody glycosylation in mice and humans. Journal of Experimental Medicine, 2021, 218, .	8.5	11
8	Complex Interplay Between MAZR and Runx3 Regulates the Generation of Cytotoxic T Lymphocyte and Memory T Cells. Frontiers in Immunology, 2021, 12, 535039.	4.8	3
9	SARS-CoV-2 mutations in MHC-I-restricted epitopes evade CD8 ⁺ T cell responses. Science Immunology, 2021, 6, .	11.9	143
10	Slow viral propagation during initial phase of infection leads to viral persistence in mice. Communications Biology, 2021, 4, 508.	4.4	6
11	The serineâ€™s call: Suppressing interferon responses. Cell Metabolism, 2021, 33, 849-850.	16.2	2
12	Characterization of CD8 T Cell-Mediated Mutations in the Immunodominant Epitope GP33-41 of Lymphocytic Choriomeningitis Virus. Frontiers in Immunology, 2021, 12, 638485.	4.8	1
13	T Cell-Intrinsic CDK6 Is Dispensable for Anti-Viral and Anti-Tumor Responses In Vivo. Frontiers in Immunology, 2021, 12, 650977.	4.8	4
14	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. Clinical Chemistry and Laboratory Medicine, 2021, 59, 1735-1744.	2.3	14
15	Cutaneous manifestations of SARS-CoV-2: A 2-center, prospective, case-controlled study. Journal of the American Academy of Dermatology, 2021, 85, 202-204.	1.2	8
16	Listeria monocytogenes infection rewires host metabolism with regulatory input from type I interferons. PLoS Pathogens, 2021, 17, e1009697.	4.7	3
17	24-Norursodeoxycholic acid reshapes immunometabolism in CD8+ T cells and alleviates hepatic inflammation. Journal of Hepatology, 2021, 75, 1164-1176.	3.7	20
18	Rapid, early and accurate SARS-CoV-2 detection using RT-qPCR in primary care: a prospective cohort study (REAP-1). BMJ Open, 2021, 11, e045225.	1.9	3

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19	Response to comment on â€œGenomic epidemiology of superspreading events in Austria reveals mutational dynamics and transmission properties of SARS-CoV-2â€ Science Translational Medicine, 2021, 13, eabj3222.	12.4	14
20	Metabolic drug survey highlights cancer cell dependencies and vulnerabilities. Nature Communications, 2021, 12, 7190.	12.8	7
21	Immunometabolism pathways as the basis for innovative anti-viral strategies (INITIATE): A Marie Sklodowska-Curie innovative training network. Virus Research, 2020, 287, 198094.	2.2	2
22	Hepatocyte-intrinsic type I interferon signaling reprograms metabolism and reveals a novel compensatory mechanism of the tryptophan-kynurenine pathway in viral hepatitis. PLoS Pathogens, 2020, 16, e1008973.	4.7	6
23	The PI3K pathway preserves metabolic health through MARCO-dependent lipid uptake by adipose tissue macrophages. Nature Metabolism, 2020, 2, 1427-1442.	11.9	24
24	Genomic epidemiology of superspreading events in Austria reveals mutational dynamics and transmission properties of SARS-CoV-2. Science Translational Medicine, 2020, 12, .	12.4	203
25	Dynamics of CD4 T Cell and Antibody Responses in COVID-19 Patients With Different Disease Severity. Frontiers in Medicine, 2020, 7, 592629.	2.6	54
26	Epistasis-driven identification of SLC25A51 as a regulator of human mitochondrial NAD import. Nature Communications, 2020, 11, 6145.	12.8	78
27	Repression of the B cell identity factor Pax5 is not required for plasma cell development. Journal of Experimental Medicine, 2020, 217, .	8.5	20
28	Emergence of coronavirus disease 2019 (COVID-19) in Austria. Wiener Klinische Wochenschrift, 2020, 132, 645-652.	1.9	46
29	Platelets mediate serological memory to neutralize viruses in vitro and in vivo. Blood Advances, 2020, 4, 3971-3976.	5.2	7
30	Human recombinant soluble ACE2 in severe COVID-19. Lancet Respiratory Medicine,the, 2020, 8, 1154-1158.	10.7	340
31	Systemic Immunometabolism: Challenges and Opportunities. Immunity, 2020, 53, 496-509.	14.3	73
32	Selective Mediator dependence of cell-type-specifying transcription. Nature Genetics, 2020, 52, 719-727.	21.4	84
33	Structural cells are key regulators of organ-specific immune responses. Nature, 2020, 583, 296-302.	27.8	292
34	Environmental arginine controls multinuclear giant cell metabolism and formation. Nature Communications, 2020, 11, 431.	12.8	37
35	Inverse Data-Driven Modeling and Multiomics Analysis Reveals Phgdh as a Metabolic Checkpoint of Macrophage Polarization and Proliferation. Cell Reports, 2020, 30, 1542-1552.e7.	6.4	52
36	MicroRNA-155 Controls T Helper Cell Activation During Viral Infection. Frontiers in Immunology, 2019, 10, 1367.	4.8	24

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37	PS-010-24-nor-ursodeoxycholic acid ameliorates inflammation by reshaping mTOR proteome and immunometabolism sensing programs in CD8 T-cells. Journal of Hepatology, 2019, 70, e9-e10.	3.7	1
38	AIF-regulated oxidative phosphorylation supports lung cancer development. Cell Research, 2019, 29, 579-591.	12.0	58
39	CD8+ T cells induce cachexia during chronic viral infection. Nature Immunology, 2019, 20, 701-710.	14.5	62
40	Type I Interferon Signaling Disrupts the Hepatic Urea Cycle and Alters Systemic Metabolism to Suppress T Cell Function. Immunity, 2019, 51, 1074-1087.e9.	14.3	72
41	The ERBB-STAT3 Axis Drives Tasmanian Devil Facial Tumor Disease. Cancer Cell, 2019, 35, 125-139.e9.	16.8	43
42	Inactivation of mTORC2 in macrophages is a signature of colorectal cancer that promotes tumorigenesis. JCI Insight, 2019, 4, .	5.0	19
43	Abstract A070: Virotherapy eradicates established melanoma by reprogramming the tumor microenvironment and engaging the adaptive immunity. , 2019, , .		1
44	Systematic assessment of LCMV based vaccine vectors expressing melanocyte differentiation antigens in human in vitro assays and in mouse melanoma models.. Journal of Clinical Oncology, 2019, 37, e14299-e14299.	1.6	0
45	Human tripartite motif protein 52 is required for cell context-dependent proliferation. Oncotarget, 2018, 9, 13565-13581.	1.8	13
46	The immune system as a social network. Nature Immunology, 2017, 18, 481-482.	14.5	26
47	Secreted IgM deficiency leads to increased BCR signaling that results in abnormal splenic B cell development. Scientific Reports, 2017, 7, 3540.	3.3	34
48	The lipid-sensor TREM2 aggravates disease in a model of LCMV-induced hepatitis. Scientific Reports, 2017, 7, 11289.	3.3	12
49	Circulating and Tissue-Resident CD4+ T Cells With Reactivity to Intestinal Microbiota Are Abundant in Healthy Individuals and Function Is Altered During Inflammation. Gastroenterology, 2017, 153, 1320-1337.e16.	1.3	246
50	Characterization of host proteins interacting with the lymphocytic choriomeningitis virus L protein. PLoS Pathogens, 2017, 13, e1006758.	4.7	19
51	Acetylation of the Cd8 Locus by KAT6A Determines Memory T Cell Diversity. Cell Reports, 2016, 16, 3311-3321.	6.4	25
52	MiR-155â€“regulated molecular network orchestrates cell fate in the innate and adaptive immune response to <i>Mycobacterium tuberculosis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6172-E6181.	7.1	109
53	Tâ€cell STAT3 is required for the maintenance of humoral immunity to LCMV. European Journal of Immunology, 2015, 45, 418-427.	2.9	17
54	Arenavirus Glycan Shield Promotes Neutralizing Antibody Evasion and Protracted Infection. PLoS Pathogens, 2015, 11, e1005276.	4.7	138

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55	Superoxide Dismutase 1 Protects Hepatocytes from Type I Interferon-Driven Oxidative Damage. Immunity, 2015, 43, 974-986.	14.3	50
56	Protective Efficacy of Individual CD8+ T Cell Specificities in Chronic Viral Infection. Journal of Immunology, 2015, 194, 1755-1762.	0.8	18
57	A novel <i>Cd8-cis</i>-regulatory element preferentially directs expression in CD44hiCD62L+ CD8+ T cells and in CD8<i>Î±Î±</i>+ dendritic cells. Journal of Leukocyte Biology, 2015, 97, 635-644.	3.3	10
58	The methyltransferase Setdb2 mediates virus-induced susceptibility to bacterial superinfection. Nature Immunology, 2015, 16, 67-74.	14.5	120
59	Evolution of Recombinant Lymphocytic Choriomeningitis Virus/Lassa Virus <i>In Vivo</i> Highlights the Importance of the GPC Cytosolic Tail in Viral Fitness. Journal of Virology, 2014, 88, 8340-8348.	3.4	17
60	Neuroprotective intervention by interferon-Î³ blockade prevents CD8+ T cellâ€“mediated dendrite and synapse loss. Journal of Experimental Medicine, 2013, 210, 2087-2103.	8.5	77
61	Functional Limitations of Plasmacytoid Dendritic Cells Limit Type I Interferon, T Cell Responses and Virus Control in Early Life. PLoS ONE, 2013, 8, e85302.	2.5	13
62	Neuroprotective intervention by interferon-Î³ blockade prevents CD8+ T cell-mediated dendrite and synapse loss. Journal of Cell Biology, 2013, 202, 2026OIA90.	5.2	0
63	A FOXO3â€“IRF7 gene regulatory circuit limits inflammatory sequelae of antiviral responses. Nature, 2012, 490, 421-425.	27.8	139
64	Interferons Direct Th2 Cell Reprogramming to Generate a Stable GATA-3+T-bet+ Cell Subset with Combined Th2 and Th1 Cell Functions. Immunity, 2010, 32, 116-128.	14.3	302
65	Development of replication-defective lymphocytic choriomeningitis virus vectors for the induction of potent CD8+ T cell immunity. Nature Medicine, 2010, 16, 339-345.	30.7	122
66	Viral replicative capacity is the primary determinant of lymphocytic choriomeningitis virus persistence and immunosuppression. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21641-21646.	7.1	80
67	Innate and adaptive immune control of genetically engineered live-attenuated arenavirus vaccine prototypes. International Immunology, 2010, 22, 749-756.	4.0	13
68	T Cell-Dependence of Lassa Fever Pathogenesis. PLoS Pathogens, 2010, 6, e1000836.	4.7	89
69	T cells can mediate viral clearance from ependyma but not from brain parenchyma in a major histocompatibility class I- and perforin-independent manner. Brain, 2010, 133, 1054-1066.	7.6	19
70	Impaired Antibody Response Causes Persistence of Prototypic T Cellâ€“Contained Virus. PLoS Biology, 2009, 7, e1000080.	5.6	78
71	Hematopoietic cellâ€“derived interferon controls viral replication and virus-induced disease. Blood, 2009, 113, 1045-1052.	1.4	48
72	Contributions of the lymphocytic choriomeningitis virus glycoprotein and polymerase to strain-specific differences in murine liver pathogenicity. Journal of General Virology, 2007, 88, 592-603.	2.9	35

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73	MyD88 protects from lethal encephalitis during infection with vesicular stomatitis virus. European Journal of Immunology, 2007, 37, 2434-2440.	2.9	27
74	Extralymphatic virus sanctuaries as a consequence of potent T-cell activation. Nature Medicine, 2007, 13, 1316-1323.	30.7	54
75	Envelope Exchange for the Generation of Live-Attenuated Arenavirus Vaccines. PLoS Pathogens, 2006, 2, e51.	4.7	25
76	Increased susceptibility to bacterial superinfection as a consequence of innate antiviral responses. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15535-15539.	7.1	129
77	Recovery of an arenavirus entirely from RNA polymerase I/II-driven cDNA. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4663-4668.	7.1	150
78	Immunoprivileged status of the liver is controlled by Toll-like receptor 3 signaling. Journal of Clinical Investigation, 2006, 116, 2456-2463.	8.2	150
79	Coexistence of <i>Bos taurus</i> and <i>B. indicus</i> Mitochondrial DNAs in Nuclear Transfer-Derived Somatic Cattle Clones. Genetics, 2002, 162, 823-829.	2.9	74