

# Antje Blumenthal

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

4,836  
citations

117625

34  
h-index

118850

62  
g-index

65  
all docs

65  
docs citations

65  
times ranked

10923  
citing authors

#	ARTICLE	IF	CITATIONS
1	A promoter-level mammalian expression atlas. <i>Nature</i> , 2014, 507, 462-470.	27.8	1,838
2	The Wingless homolog WNT5A and its receptor Frizzled-5 regulate inflammatory responses of human mononuclear cells induced by microbial stimulation. <i>Blood</i> , 2006, 108, 965-973.	1.4	333
3	FANTOM5 CAGE profiles of human and mouse samples. <i>Scientific Data</i> , 2017, 4, 170112.	5.3	195
4	Induction of ER Stress in Macrophages of Tuberculosis Granulomas. <i>PLoS ONE</i> , 2010, 5, e12772.	2.5	127
5	Evaluating the Sensitivity of <i>Mycobacterium tuberculosis</i> to Biotin Deprivation Using Regulated Gene Expression. <i>PLoS Pathogens</i> , 2011, 7, e1002264.	4.7	127
6	<i>Mycobacteria</i> -Induced TNF- $\alpha$ and IL-10 Formation by Human Macrophages Is Differentially Regulated at the Level of Mitogen-Activated Protein Kinase Activity. <i>Journal of Immunology</i> , 2001, 167, 3339-3345.	0.8	123
7	Expression of Many Immunologically Important Genes in <i>Mycobacterium tuberculosis</i> -Infected Macrophages Is Independent of Both TLR2 and TLR4 but Dependent on IFN- $\gamma$ Receptor and STAT1. <i>Journal of Immunology</i> , 2005, 175, 3318-3328.	0.8	93
8	Type I Interferons in the Pathogenesis of Tuberculosis: Molecular Drivers and Immunological Consequences. <i>Frontiers in Immunology</i> , 2017, 8, 1633.	4.8	91
9	Dengue virus NS1 protein activates immune cells via TLR4 but not TLR2 or TLR6. <i>Immunology and Cell Biology</i> , 2017, 95, 491-495.	2.3	89
10	Cavin-1/PTRF alters prostate cancer cell-derived extracellular vesicle content and internalization to attenuate extracellular vesicle-mediated osteoclastogenesis and osteoblast proliferation. <i>Journal of Extracellular Vesicles</i> , 2014, 3, .	12.2	86
11	LprG-Mediated Surface Expression of Lipoarabinomannan Is Essential for Virulence of <i>Mycobacterium tuberculosis</i> . <i>PLoS Pathogens</i> , 2014, 10, e1004376.	4.7	82
12	<i>M. tuberculosis</i> Induces Potent Activation of IDO-1, but This Is Not Essential for the Immunological Control of Infection. <i>PLoS ONE</i> , 2012, 7, e37314.	2.5	78
13	Simultaneous Analysis of Multiple <i>Mycobacterium tuberculosis</i> Knockdown Mutants In Vitro and In Vivo. <i>PLoS ONE</i> , 2010, 5, e15667.	2.5	76
14	Allergen-induced IL-6 trans-signaling activates $\gamma\delta$ T cells to promote type 2 and type 17 airway inflammation. <i>Journal of Allergy and Clinical Immunology</i> , 2015, 136, 1065-1073.	2.9	73
15	Efficient Biodistribution and Gene Silencing in the Lung epithelium via Intravenous Liposomal Delivery of siRNA. <i>Molecular Therapy - Nucleic Acids</i> , 2013, 2, e96.	5.1	62
16	Control of <i>Mycobacterial</i> Replication in Human Macrophages: Roles of Extracellular Signal-Regulated Kinases 1 and 2 and p38 Mitogen-Activated Protein Kinase Pathways. <i>Infection and Immunity</i> , 2002, 70, 4961-4967.	2.2	59
17	Neutrophil extracellular traps and their histones promote Th17 cell differentiation directly via TLR2. <i>Nature Communications</i> , 2022, 13, 528.	12.8	59
18	Functions of the WNT Signaling Network in Shaping Host Responses to Infection. <i>Frontiers in Immunology</i> , 2019, 10, 2521.	4.8	58

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19	IL-17 Suppresses Immune Effector Functions in Human Papillomavirus-Associated Epithelial Hyperplasia. <i>Journal of Immunology</i> , 2014, 193, 2248-2257.	0.8	57
20	Small GTPase Rab8a-recruited Phosphatidylinositol 3-Kinase $\hat{I}^3$ Regulates Signaling and Cytokine Outputs from Endosomal Toll-like Receptors. <i>Journal of Biological Chemistry</i> , 2017, 292, 4411-4422.	3.4	57
21	Common and Unique Gene Expression Signatures of Human Macrophages in Response to Four Strains of <i>Mycobacterium avium</i> That Differ in Their Growth and Persistence Characteristics. <i>Infection and Immunity</i> , 2005, 73, 3330-3341.	2.2	55
22	RP105 Facilitates Macrophage Activation by <i>Mycobacterium tuberculosis</i> Lipoproteins. <i>Cell Host and Microbe</i> , 2009, 5, 35-46.	11.0	53
23	Class IIa Histone Deacetylases Drive Toll-like Receptor-Inducible Glycolysis and Macrophage Inflammatory Responses via Pyruvate Kinase M2. <i>Cell Reports</i> , 2020, 30, 2712-2728.e8.	6.4	51
24	Indoleamine 2,3-Dioxygenase Activity Contributes to Local Immune Suppression in the Skin Expressing Human Papillomavirus Oncoprotein E7. <i>Journal of Investigative Dermatology</i> , 2013, 133, 2686-2694.	0.7	50
25	Triosephosphate Isomerase Is Dispensable <i>In Vitro</i> yet Essential for <i>Mycobacterium tuberculosis</i> To Establish Infection. <i>MBio</i> , 2014, 5, e00085.	4.1	48
26	Wollamides: Antimycobacterial Cyclic Hexapeptides from an Australian Soil <i>Streptomyces</i> . <i>Organic Letters</i> , 2014, 16, 5120-5123.	4.6	47
27	Lipopolysaccharide promotes Drp1-dependent mitochondrial fission and associated inflammatory responses in macrophages. <i>Immunology and Cell Biology</i> , 2020, 98, 528-539.	2.3	47
28	Resistance and susceptibility to tuberculosis analysed at the transcriptome level: lessons from mouse macrophages. <i>Tuberculosis</i> , 2004, 84, 144-158.	1.9	46
29	WNT ligands contribute to the immune response during septic shock and amplify endotoxemia-driven inflammation in mice. <i>Blood Advances</i> , 2017, 1, 1274-1286.	5.2	43
30	Mollemycin A: An Antimalarial and Antibacterial Glyco-hexadepsipeptide-polyketide from an Australian Marine-Derived <i>Streptomyces</i> sp. (CMB-M0244). <i>Organic Letters</i> , 2014, 16, 1716-1719.	4.6	41
31	The RP105/MD-1 complex: molecular signaling mechanisms and pathophysiological implications. <i>Journal of Leukocyte Biology</i> , 2017, 101, 183-192.	3.3	40
32	Construction of a Deep-rough Mutant of <i>Burkholderia cepacia</i> ATCC 25416 and Characterization of Its Chemical and Biological Properties. <i>Journal of Biological Chemistry</i> , 2003, 278, 1647-1655.	3.4	38
33	IL-18, but Not IL-12, Induces Production of IFN- $\hat{I}^3$ in the Immunosuppressive Environment of HPV16 E7 Transgenic Hyperplastic Skin. <i>Journal of Investigative Dermatology</i> , 2014, 134, 2562-2569.	0.7	38
34	Glucocorticoid Sensitivity Is Highly Variable in Critically Ill Patients With Septic Shock and Is Associated With Disease Severity*. <i>Critical Care Medicine</i> , 2016, 44, 1034-1041.	0.9	38
35	Deletion of Wntless in myeloid cells exacerbates liver fibrosis and the ductular reaction in chronic liver injury. <i>Fibrogenesis and Tissue Repair</i> , 2015, 8, 19.	3.4	36
36	Recombinant <i>W</i> nt3a and <i>W</i> nt5a elicit macrophage cytokine production and tolerization to microbial stimulation via <i>T</i> oll-like receptor 4. <i>European Journal of Immunology</i> , 2014, 44, 1480-1490.	2.9	35

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37	Roles of WNT, NOTCH, and Hedgehog signaling in the differentiation and function of innate and innate-like lymphocytes. <i>Journal of Leukocyte Biology</i> , 2017, 101, 827-840.	3.3	32
38	Detection of the 4977 bp deletion of mitochondrial DNA in different human blood cells. <i>Experimental Gerontology</i> , 2004, 39, 181-188.	2.8	30
39	Microbiome-immune interactions in tuberculosis. <i>PLoS Pathogens</i> , 2021, 17, e1009377.	4.7	28
40	RP105 Engages Phosphatidylinositol 3-Kinase p110 $\beta$ To Facilitate the Trafficking and Secretion of Cytokines in Macrophages during Mycobacterial Infection. <i>Journal of Immunology</i> , 2015, 195, 3890-3900.	0.8	26
41	Temporal Regulation of Natural Killer T Cell Interferon Gamma Responses by $\beta$ -Catenin-Dependent and -Independent Wnt Signaling. <i>Frontiers in Immunology</i> , 2018, 9, 483.	4.8	25
42	Bacterial pathogenesis and interleukin-17: interconnecting mechanisms of immune regulation, host genetics, and microbial virulence that influence severity of infection. <i>Critical Reviews in Microbiology</i> , 2018, 44, 465-486.	6.1	24
43	Generation of a Genome Scale Lentiviral Vector Library for EF1 $\alpha$ Promoter-Driven Expression of Human ORFs and Identification of Human Genes Affecting Viral Titer. <i>PLoS ONE</i> , 2012, 7, e51733.	2.5	23
44	Effect of Nitric Oxide via Cardiopulmonary Bypass on Ventilator-Free Days in Young Children Undergoing Congenital Heart Disease Surgery. <i>JAMA - Journal of the American Medical Association</i> , 0, , .	7.4	21
45	Aranciamycins I and J, Antimycobacterial Anthracyclines from an Australian Marine-Derived <i>Streptomyces</i> sp.. <i>Journal of Natural Products</i> , 2015, 78, 949-952.	3.0	20
46	Study protocol: NITric oxide during cardiopulmonary bypass to improve Recovery in Infants with Congenital heart defects (NITRIC trial): a randomised controlled trial. <i>BMJ Open</i> , 2019, 9, e026664.	1.9	18
47	The E3 ubiquitin ligase RNF144B is LPS-inducible in human, but not mouse, macrophages and promotes inducible IL-1 $\beta$ expression. <i>Journal of Leukocyte Biology</i> , 2016, 100, 155-161.	3.3	16
48	Amycolatopsins A $\alpha$ -C: antimycobacterial glycosylated polyketide macrolides from the Australian soil <i>Amycolatopsis</i> sp. MST-108494. <i>Journal of Antibiotics</i> , 2017, 70, 1097-1103.	2.0	15
49	Structure-Activity Relationships of Wollamide Cyclic Hexapeptides with Activity against Drug-Resistant and Intracellular <i>Mycobacterium tuberculosis</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	12
50	The relationship between adrenocortical candidate gene expression and clinical response to hydrocortisone in patients with septic shock. <i>Intensive Care Medicine</i> , 2021, 47, 974-983.	8.2	12
51	Lincolnensins A $\alpha$ -D: Isomeric Bactericidal Bianthraces from <i>Streptomyces lincolnensis</i> . <i>Journal of Organic Chemistry</i> , 2021, 86, 11011-11018.	3.2	11
52	The duality of macrophage function in chronic lymphocytic leukaemia. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017, 1868, 176-182.	7.4	10
53	PI3K-p110 $\beta$ contributes to antibody responses by macrophages in chronic lymphocytic leukemia. <i>Leukemia</i> , 2020, 34, 451-461.	7.2	8
54	The histone deacetylase Hdac7 supports LPS-inducible glycolysis and IL-1 $\beta$ production in murine macrophages via distinct mechanisms. <i>Journal of Leukocyte Biology</i> , 2022, 111, 327-336.	3.3	7

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55	Inhibition of the master regulator of <i>Listeria monocytogenes</i> virulence enables bacterial clearance from spacious replication vacuoles in infected macrophages. <i>PLoS Pathogens</i> , 2022, 18, e1010166.	4.7	7
56	Tuberculosis and host metabolism: ancient associations, fresh insights. <i>Translational Research</i> , 2009, 154, 7-14.	5.0	5
57	CD4+CD8 <sup>+</sup> double-positive T cells in skin-draining lymph nodes respond to inflammatory signals from the skin. <i>Journal of Leukocyte Biology</i> , 2017, 102, 837-844.	3.3	5
58	The N-terminal peptide moiety of the <i>Mycobacterium tuberculosis</i> 19 kDa lipoprotein harbors RP105-agonistic properties. <i>Journal of Leukocyte Biology</i> , 2018, 103, 311-319.	3.3	4
59	Rab6b localizes to the Golgi complex in murine macrophages and promotes tumor necrosis factor release in response to mycobacterial infection. <i>Immunology and Cell Biology</i> , 2021, 99, 1067-1076.	2.3	2
60	Editorial: Wnt Signaling in Immune Cell Regulation During Microbial Infection and Cancer. <i>Frontiers in Immunology</i> , 2020, 11, 1133.	4.8	1
61	SIRP $\alpha$ Suppresses Response to Therapeutic Antibodies by Nurse Like Cells From Chronic Lymphocytic Leukemia Patients. <i>Frontiers in Immunology</i> , 2020, 11, 610523.	4.8	1
62	Statistical analysis plan for the NITric oxide during cardiopulmonary bypass to improve Recovery in Infants with Congenital heart defects (NITRIC) trial. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2021, 23, 47-58.	0.1	1
63	Abstract A47: Increased levels of IL-12, IL-23 and IL-18 in skin expressing HPV16 E7 protein.. , 2013, , .		0
64	Activation of Fc Gamma Receptor-Dependent Responses to Therapeutic Antibodies By Nurse like Cells Requires PI3Kdelta. <i>Blood</i> , 2018, 132, 3128-3128.	1.4	0