

# Norbert Reiling

## List of Publications by Year in descending order

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93  
papers

6,141  
citations

101543

36  
h-index

71685

76  
g-index

97  
all docs

97  
docs citations

97  
times ranked

9615  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immune-responsive gene 1 protein links metabolism to immunity by catalyzing itaconic acid production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 7820-7825.	7.1	765
2	Sarcoidosis is associated with a truncating splice site mutation in BTNL2. <i>Nature Genetics</i> , 2005, 37, 357-364.	21.4	451
3	Cutting Edge: Toll-Like Receptor (TLR)2- and TLR4-Mediated Pathogen Recognition in Resistance to Airborne Infection with <i>Mycobacterium tuberculosis</i> . <i>Journal of Immunology</i> , 2002, 169, 3480-3484.	0.8	411
4	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
5	Common patterns and disease-related signatures in tuberculosis and sarcoidosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 7853-7858.	7.1	306
6	Viral protein R regulates nuclear import of the HIV-1 pre-integration complex. <i>EMBO Journal</i> , 1998, 17, 909-917.	7.8	295
7	Tumor-associated macrophages exhibit pro- and anti-inflammatory properties by which they impact on pancreatic tumorigenesis. <i>International Journal of Cancer</i> , 2014, 135, 843-861.	5.1	216
8	Nitric oxide synthase: MRNA expression of different isoforms in human monocytes/macrophages. <i>European Journal of Immunology</i> , 1994, 24, 1941-1944.	2.9	212
9	The Major Surface Protein of <i>Wolbachia</i> Endosymbionts in Filarial Nematodes Elicits Immune Responses through TLR2 and TLR4. <i>Journal of Immunology</i> , 2004, 173, 437-445.	0.8	185
10	Containment of aerogenic <i>Mycobacterium tuberculosis</i> infection in mice does not require MyD88 adaptor function for TLR2, 4 and 9. <i>European Journal of Immunology</i> , 2008, 38, 680-694.	2.9	158
11	Wnt signaling in macrophages: Augmenting and inhibiting mycobacteria-induced inflammatory responses. <i>European Journal of Cell Biology</i> , 2011, 90, 553-559.	3.6	156
12	Intracellular Survival of <i>Leishmania major</i> in Neutrophil Granulocytes after Uptake in the Absence of Heat-Labile Serum Factors. <i>Infection and Immunity</i> , 2002, 70, 826-835.	2.2	149
13	Clade-Specific Virulence Patterns of <i>Mycobacterium tuberculosis</i> Complex Strains in Human Primary Macrophages and Aerogenically Infected Mice. <i>MBio</i> , 2013, 4, .	4.1	136
14	Differential expression and function of CD80 (B7-1) and CD86 (B7-2) on human peripheral blood monocytes. <i>Immunology</i> , 1996, 89, 592-598.	4.4	125
15	Mycobacteria-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
16	Frizzled1 is a marker of inflammatory macrophages, and its ligand Wnt3a is involved in reprogramming <i>Mycobacterium tuberculosis</i> -infected macrophages. <i>FASEB Journal</i> , 2010, 24, 4599-4612.	0.5	119
17	The MspA porin promotes growth and increases antibiotic susceptibility of both <i>Mycobacterium bovis</i> BCG and <i>Mycobacterium tuberculosis</i> . <i>Microbiology (United Kingdom)</i> , 2004, 150, 853-864.	1.8	97
18	Platelet Factor 4/CXCL4 Induces Phagocytosis and the Generation of Reactive Oxygen Metabolites in Mononuclear Phagocytes Independently of Gi Protein Activation or Intracellular Calcium Transients. <i>Journal of Immunology</i> , 2004, 173, 2060-2067.	0.8	92

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19	Decreased Pathology and Prolonged Survival of Human DC-SIGN Transgenic Mice during Mycobacterial Infection. <i>Journal of Immunology</i> , 2008, 180, 6836-6845.	0.8	80
20	Nitric oxide synthase: expression of the endothelial, Ca <sup>2+</sup> /calmodulin-dependent isoform in human B and T lymphocytes. <i>European Journal of Immunology</i> , 1996, 26, 511-516.	2.9	75
21	Susceptibility to tuberculosis is associated with TLR1 polymorphisms resulting in a lack of TLR1 cell surface expression. <i>Journal of Leukocyte Biology</i> , 2011, 90, 377-388.	3.3	71
22	Isolation of Human Monocytes by Double Gradient Centrifugation and Their Differentiation to Macrophages in Teflon-coated Cell Culture Bags. <i>Journal of Visualized Experiments</i> , 2014, , e51554.	0.3	69
23	Lipopolysaccharide Inhibits HIV-1 Infection of Monocyte-Derived Macrophages Through Direct and Sustained Down-Regulation of CC Chemokine Receptor 5. <i>Journal of Immunology</i> , 2000, 164, 2592-2601.	0.8	66
24	Wnt6 Is Expressed in Granulomatous Lesions of <i>Mycobacterium tuberculosis</i> -Infected Mice and Is Involved in Macrophage Differentiation and Proliferation. <i>Journal of Immunology</i> , 2013, 191, 5182-5195.	0.8	66
25	The bacillary and macrophage response to hypoxia in tuberculosis and the consequences for T cell antigen recognition. <i>Microbes and Infection</i> , 2017, 19, 177-192.	1.9	66
26	MyDths and un-TOLled truths: Sensor, instructive and effector immunity to tuberculosis. <i>Immunology Letters</i> , 2008, 116, 15-23.	2.5	61
27	Control of Mycobacterial 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
28	The induction of bacillus-Calmette-Guérin-activated killer cells requires the presence of monocytes and T-helper type-1 cells. <i>Cancer Immunology, Immunotherapy</i> , 1995, 40, 103-108.	4.2	55
29	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
30	Identification of <i>Candida glabrata</i> Genes Involved in pH Modulation and Modification of the Phagosomal Environment in Macrophages. <i>PLoS ONE</i> , 2014, 9, e96015.	2.5	54
31	Soluble Interleukin (IL)-15 Is Generated by Alternative Splicing or Proteolytic Cleavage and Forms Functional Complexes with IL-15. <i>Journal of Biological Chemistry</i> , 2007, 282, 13167-13179.	3.4	53
32	Pentoxifylline: a potent inhibitor of IL-2 and IFN-gamma biosynthesis and BCG-induced cytotoxicity. <i>Immunology</i> , 1993, 80, 151-6.	4.4	53
33	Dynamic Growth and Shrinkage of the Salmonella-Containing Vacuole Determines the Intracellular Pathogen Niche. <i>Cell Reports</i> , 2019, 29, 3958-3973.e7.	6.4	51
34	Mycobacteria infect different cell types in the human lung and cause species dependent cellular changes in infected cells. <i>BMC Pulmonary Medicine</i> , 2016, 16, 19.	2.0	49
35	Caspase Inhibition Blocks Human T Cell Proliferation by Suppressing Appropriate Regulation of IL-2, CD25, and Cell Cycle-Associated Proteins. <i>Journal of Immunology</i> , 2004, 173, 5077-5085.	0.8	47
36	<i>Leishmania major</i> parasite stage-dependent host cell invasion and immune evasion. <i>FASEB Journal</i> , 2012, 26, 29-39.	0.5	47

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37	CD14 is required for influenza A virus-induced cytokine and chemokine production. <i>Immunobiology</i> , 2004, 209, 3-10.	1.9	42
38	Discovery of novel N- phenyl 1,4-dihydropyridines with a dual mode of antimycobacterial activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 5896-5898.	2.2	27
39	Wnt Signaling in Chronic Rhinosinusitis with Nasal Polyps. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2017, 56, 575-584.	2.9	27
40	The role of endoplasmic reticulum-related BiP/GRP78 in interferon gamma-induced persistent <i>Chlamydia pneumoniae</i> infection. <i>Cellular Microbiology</i> , 2015, 17, 923-934.	2.1	26
41	The Multi-Modal Effect of the Anti-fibrotic Drug Pirfenidone on NSCLC. <i>Frontiers in Oncology</i> , 2019, 9, 1550.	2.8	26
42	Potential Role for IL-2 ELISpot in Differentiating Recent and Remote Infection in Tuberculosis Contact Tracing. <i>PLoS ONE</i> , 2010, 5, e11670.	2.5	25
43	The Wnt Blows: On the Functional Role of Wnt Signaling in <i>Mycobacterium tuberculosis</i> Infection and Beyond. <i>Frontiers in Immunology</i> , 2016, 7, 635.	4.8	25
44	Cox-2 inhibition abrogates <i>Chlamydia pneumoniae</i> -induced PGE2 and MMP-1 expression. <i>Biochemical and Biophysical Research Communications</i> , 2004, 320, 738-744.	2.1	24
45	Lipid labeling facilitates a novel magnetic isolation procedure to characterize pathogen-containing phagosomes. <i>Traffic</i> , 2013, 14, 321-336.	2.7	23
46	<i>Shigella</i> hijacks the exocyst to cluster macropinosomes for efficient vacuolar escape. <i>PLoS Pathogens</i> , 2020, 16, e1008822.	4.7	23
47	Hit-optimization using target-directed dynamic combinatorial chemistry: development of inhibitors of the anti-infective target 1-deoxy-xylulose-5-phosphate synthase. <i>Chemical Science</i> , 2021, 12, 7775-7785.	7.4	21
48	PROPERTIES OF MULTINUCLEATED GIANT CELLS IN A NEW IN VITRO MODEL FOR HUMAN GRANULOMA FORMATION. <i>Journal of Pathology</i> , 1997, 182, 99-105.	4.5	20
49	The Generation of Programmable Cells of Monocytic Origin Involves Partial Repression of Monocyte/Macrophage Markers and Reactivation of Pluripotency Genes. <i>Stem Cells and Development</i> , 2010, 19, 1769-1780.	2.1	20
50	Pulmonary Haptoglobin and CD163 Are Functional Immunoregulatory Elements in the Human Lung. <i>Respiration</i> , 2012, 83, 61-73.	2.6	20
51	BCG Vaccination Induces Robust CD4+ T Cell Responses to <i>Mycobacterium tuberculosis</i> Complex-Specific Lipopeptides in Guinea Pigs. <i>Journal of Immunology</i> , 2016, 196, 2723-2732.	0.8	20
52	Biological activity and stability analyses of knipholone anthrone, a phenyl anthraquinone derivative isolated from <i>Kniphofia foliosa</i> Hochst.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 174, 277-285.	2.8	20
53	Complex Encounters at the Macrophage- <i>Mycobacterium</i> Interface: Studies on the Role of the Mannose Receptor and CD14 in Experimental Infection Models with <i>Mycobacterium Avium</i> . <i>Immunobiology</i> , 2001, 204, 558-571.	1.9	19
54	Human lysosomal acid lipase inhibitor lalistat impairs <i>Mycobacterium tuberculosis</i> growth by targeting bacterial hydrolases. <i>MedChemComm</i> , 2016, 7, 1797-1801.	3.4	18

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55	Cathelicidin Contributes to the Restriction of Leishmania in Human Host Macrophages. <i>Frontiers in Immunology</i> , 2019, 10, 2697.	4.8	18
56	Mitogen-activated protein kinases p38 and ERK1/2 regulated control of <i>Mycobacterium avium</i> replication in primary murine macrophages is independent of tumor necrosis factor- $\alpha$ and interleukin-10. <i>Innate Immunity</i> , 2011, 17, 470-485.	2.4	17
57	Immunomagnetic Isolation of Pathogen-Containing Phagosomes and Apoptotic Blebs from Primary Phagocytes. <i>Current Protocols in Immunology</i> , 2014, 105, 14.36.1-14.36.26.	3.6	17
58	Azido Pentoses: A New Tool To Efficiently Label <i>Mycobacterium tuberculosis</i> Clinical Isolates. <i>ChemBioChem</i> , 2017, 18, 1172-1176.	2.6	17
59	WNT6/ACC2-induced storage of triacylglycerols in macrophages is exploited by <i>Mycobacterium tuberculosis</i> . <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	17
60	<i>Mycobacterium tuberculosis</i> -induced granuloma necrosis depends on IRF1. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 2069-2082.	3.6	16
61	TLR1 Variant H305L Associated with Protection from Pulmonary Tuberculosis. <i>PLoS ONE</i> , 2016, 11, e0156046.	2.5	15
62	Shaping the niche in macrophages: Genetic diversity of the <i>M. tuberculosis</i> complex and its consequences for the infected host. <i>International Journal of Medical Microbiology</i> , 2018, 308, 118-128.	3.6	14
63	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
64	Dually Acting Nonclassical 1,4-Dihydropyridines Promote the Anti-Tuberculosis (Tb) Activities of Clofazimine. <i>Molecules</i> , 2019, 24, 2873.	3.8	11
65	Structure and Function of an Elongation Factor P Subfamily in Actinobacteria. <i>Cell Reports</i> , 2020, 30, 4332-4342.e5.	6.4	11
66	<i>Mycobacterium avium</i> infection in CD14-deficient mice fails to substantiate a significant role for CD14 in antimycobacterial protection or granulomatous inflammation. <i>Immunology</i> , 2001, 103, 113-121.	4.4	9
67	Capsular Arabinomannans from <i>Mycobacterium avium</i> with Morphotype-specific Structural Differences but Identical Biological Activity. <i>Journal of Biological Chemistry</i> , 2007, 282, 19103-19112.	3.4	9
68	Differential Roles of the Calcium Ion Channel TRPV4 in Host Responses to <i>Mycobacterium tuberculosis</i> Early and Late in Infection. <i>iScience</i> , 2020, 23, 101206.	4.1	9
69	Therapeutical Administration of Peptide Pep19-2.5 and Ibuprofen Reduces Inflammation and Prevents Lethal Sepsis. <i>PLoS ONE</i> , 2015, 10, e0133291.	2.5	9
70	Tuberculostearic Acid-Containing Phosphatidylinositols as Markers of Bacterial Burden in Tuberculosis. <i>ACS Infectious Diseases</i> , 2022, 8, 1303-1315.	3.8	9
71	Influence of serum on the immune recognition of a synthetic lipopeptide mimetic of the 19-kDa lipoprotein from <i>Mycobacterium tuberculosis</i> . <i>Innate Immunity</i> , 2010, 16, 213-225.	2.4	8
72	Surfactant Protein A Enhances Constitutive Immune Functions of Clathrin Heavy Chain and Clathrin Adaptor Protein 2. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2016, 55, 92-104.	2.9	8

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73	Pulmonary immune responses to Mycobacterium tuberculosis in exposed individuals. <i>PLoS ONE</i> , 2017, 12, e0187882.	2.5	8
74	Inactivation of Bacteria by $\hat{I}^3$ -Irradiation to Investigate the Interaction with Antimicrobial Peptides. <i>Biophysical Journal</i> , 2019, 117, 1805-1819.	0.5	8
75	Theileria annulata surface protein (TaSP) is a target of cyclin-dependent kinase 1 phosphorylation in Theileria annulata-infected cells. <i>Transboundary and Emerging Diseases</i> , 2020, 67, 40-55.	3.0	8
76	Anti-Infective and Anti-Inflammatory Mode of Action of Peptide 19-2.5. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1465.	4.1	8
77	Mycobacterium Tuberculosis-Induced Cell Death of Primary Human Monocytes and Macrophages Is Not Significantly Modulated by Tumor Necrosis Factor-Targeted Biologicals. <i>Journal of Investigative Dermatology Symposium Proceedings</i> , 2007, 12, 26-33.	0.8	7
78	Discovery of Novel Enhancers of Isoniazid Toxicity in Mycobacterium tuberculosis. <i>Molecules</i> , 2018, 23, 825.	3.8	7
79	Lectins of Mycobacterium tuberculosis are rarely studied proteins. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1-15.	2.2	7
80	High Plasticity of the Amicetin Biosynthetic Pathway in <i>Streptomyces</i> sp. SHP 22-7 Led to the Discovery of Streptocytosine P and Cytosaminomycins F and G and Facilitated the Production of 12F-Plicacetin. <i>Journal of Natural Products</i> , 2022, 85, 530-539.	3.0	6
81	Mycobacterium Growth Inhibition Assay of Human Alveolar Macrophages as a Correlate of Immune Protection Following Mycobacterium bovis Bacille Calmette-Guérin Vaccination. <i>Frontiers in Immunology</i> , 2018, 9, 1708.	4.8	5
82	Measurement of eNOS and iNOS mRNA Expression Using Reverse Transcription Polymerase Chain Reaction. , 1998, 100, 155-162.		3
83	Sub-Lineage Specific Phenolic Glycolipid Patterns in the Mycobacterium tuberculosis Complex Lineage 1. <i>Frontiers in Microbiology</i> , 2022, 13, 832054.	3.5	3
84	Lipobiotin-capture magnetic bead assay for isolation, enrichment and detection of Mycobacterium tuberculosis from saliva. <i>PLoS ONE</i> , 2022, 17, e0265554.	2.5	3
85	Design, synthesis and evaluation of biological activities of some novel anti-TB agents with bio-reducible functional group. <i>BioImpacts</i> , 2019, 9, 199-209.	1.5	2
86	Measuring Immune Responses In Vivo. <i>Methods in Microbiology</i> , 2010, 37, 227-269.	0.8	1
87	Soluble interleukin (IL)-15 is generated by alternative splicing or proteolytic cleavage and forms functional complexes with IL-15. <i>Journal of Biological Chemistry</i> , 2011, 286, 5934.	3.4	1
88	Peripheral Blood Monocytes Can Be Induced to Acquire Stem Cell-Like Properties. , 2012, , 367-375.		0
89	Rothenfels Castle – the place to be for immunology of infection. <i>European Journal of Immunology</i> , 2018, 48, 1094-1095.	2.9	0
90	Shigella hijacks the exocyst to cluster macropinosomes for efficient vacuolar escape. , 2020, 16, e1008822.		0

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91	Shigella hijacks the exocyst to cluster macropinosomes for efficient vacuolar escape. , 2020, 16, e1008822.		0
92	Shigella hijacks the exocyst to cluster macropinosomes for efficient vacuolar escape. , 2020, 16, e1008822.		0
93	Shigella hijacks the exocyst to cluster macropinosomes for efficient vacuolar escape. , 2020, 16, e1008822.		0