

David Michael Underhill

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75 papers	18,654 citations	45 h-index	136 g-index
138 ext. papers	21,088 ext. citations	16.5 avg, IF	6.85 L-index

#	Paper	IF	Citations
75	Pathogen size alters C-type lectin receptor signaling in dendritic cells to influence CD4 Th9 cell differentiation.. <i>Cell Reports</i> , 2022 , 38, 110567	10.6	
74	Candida-induced asthma steps up to the plate-lets. <i>Immunity</i> , 2021 , 54, 2442-2444	32.3	0
73	is enriched in Crohn's disease intestinal tissue and impairs healing in mice. <i>Science</i> , 2021 , 371, 1154-1159	33.3	42
72	Frontline Science: Antibiotic treatment routes Mycobacterium avium to phagolysosomes without triggering proinflammatory cytokine production in human Mφs. <i>Journal of Leukocyte Biology</i> , 2021 , 109, 23-33	6.5	1
71	Malassezia spp. induce inflammatory cytokines and activate NLRP3 inflammasomes in phagocytes. <i>Journal of Leukocyte Biology</i> , 2021 , 109, 161-172	6.5	6
70	Commensal bacteria and fungi differentially regulate tumor responses to radiation therapy. <i>Cancer Cell</i> , 2021 , 39, 1202-1213.e6	24.3	27
69	4196 MICROBIAL COMPOSITION DEFINES PELVIC PAIN PHENOTYPES IN REPRODUCTIVE-AGE WOMEN. <i>Journal of Clinical and Translational Science</i> , 2020 , 4, 12-13	0.4	
68	C-Type Lectin Receptors in Phagocytosis. <i>Current Topics in Microbiology and Immunology</i> , 2020 , 429, 1-18	3.3	5
67	Translocation of Viable Gut Microbiota to Mesenteric Adipose Drives Formation of Creeping Fat in Humans. <i>Cell</i> , 2020 , 183, 666-683.e17	56.2	74
66	Early Gut Fungal and Bacterial Microbiota and Childhood Growth. <i>Frontiers in Pediatrics</i> , 2020 , 8, 572538	3.4	2
65	Harnessing antifungal immunity in pursuit of a Staphylococcus aureus vaccine strategy. <i>PLoS Pathogens</i> , 2020 , 16, e1008733	7.6	7
64	Optimization of DNA extraction from human urinary samples for mycobiome community profiling. <i>PLoS ONE</i> , 2019 , 14, e0210306	3.7	16
63	Malassezia Is Associated with Crohn's Disease and Exacerbates Colitis in Mouse Models. <i>Cell Host and Microbe</i> , 2019 , 25, 377-388.e6	23.4	144
62	Peptidoglycan recognition by the innate immune system. <i>Nature Reviews Immunology</i> , 2018 , 18, 243-254	36.5	168
61	Cryptococcal meningitis in a daily cannabis smoker without evidence of immunodeficiency. <i>BMJ Case Reports</i> , 2018 , 2018,	0.9	8
60	Mucosal immune responses to fungi and the implications for inflammatory bowel disease. <i>Current Opinion in Gastroenterology</i> , 2018 , 34, 398-403	3	7
59	Expansion of commensal fungus Wallemia mellicola in the gastrointestinal mycobiota enhances the severity of allergic airway disease in mice. <i>PLoS Pathogens</i> , 2018 , 14, e1007260	7.6	48

58	Immunity to Commensal Fungi: Detente and Disease. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2017 , 12, 359-385	34	59
57	Myeloid ATG16L1 Facilitates Host-Bacteria Interactions in Maintaining Intestinal Homeostasis. <i>Journal of Immunology</i> , 2017 , 198, 2133-2146	5.3	36
56	Direct Antimicrobial Activity of IFN- γ <i>Journal of Immunology</i> , 2017 , 198, 4036-4045	5.3	34
55	The mycobiome of the human urinary tract: potential roles for fungi in urology. <i>Annals of Translational Medicine</i> , 2017 , 5, 31	3.2	46
54	Commensal Fungi in Health and Disease. <i>Cell Host and Microbe</i> , 2017 , 22, 156-165	23.4	164
53	Host-microbe interactions: commensal fungi in the gut. <i>Current Opinion in Microbiology</i> , 2017 , 40, 131-137	9	36
52	Inflammatory properties of antibiotic-treated bacteria. <i>Journal of Leukocyte Biology</i> , 2017 , 101, 127-134	6.5	12
51	Autocrine Type I IFN Signaling in Dendritic Cells Stimulated with Fungal β -Glucans or Lipopolysaccharide Promotes CD8 T Cell Activation. <i>Journal of Immunology</i> , 2017 , 198, 375-382	5.3	20
50	Hexokinase Is an Innate Immune Receptor for the Detection of Bacterial Peptidoglycan. <i>Cell</i> , 2016 , 166, 624-636	56.2	276
49	Persistent Microvascular Obstruction After Myocardial Infarction Culminates in the Confluence of Ferric Iron Oxide Crystals, Proinflammatory Burden, and Adverse Remodeling. <i>Circulation: Cardiovascular Imaging</i> , 2016 , 9,	3.9	19
48	Immunological Consequences of Intestinal Fungal Dysbiosis. <i>Cell Host and Microbe</i> , 2016 , 19, 865-73	23.4	241
47	Ile Metchnikoff (1845-1916): celebrating 100 years of cellular immunology and beyond. <i>Nature Reviews Immunology</i> , 2016 , 16, 651-6	36.5	38
46	Mycobiome: Approaches to analysis of intestinal fungi. <i>Journal of Immunological Methods</i> , 2015 , 421, 112-121	2.5	106
45	Batf3 deficiency is not critical for the generation of CD8 α^+ dendritic cells. <i>Immunobiology</i> , 2015 , 220, 518-24	3.4	12
44	Immune Interactions with Pathogenic and Commensal Fungi: A Two-Way Street. <i>Immunity</i> , 2015 , 43, 845-858	35.3	92
43	Poorly Cross-Linked Peptidoglycan in MRSA Due to mecA Induction Activates the Inflammasome and Exacerbates Immunopathology. <i>Cell Host and Microbe</i> , 2015 , 18, 604-12	23.4	40
42	Group B Streptococcus Evades Host Immunity by Degrading Hyaluronan. <i>Cell Host and Microbe</i> , 2015 , 18, 694-704	23.4	42
41	Characterization of Bacterial and Fungal Microbiome in Children with Hirschsprung Disease with and without a History of Enterocolitis: A Multicenter Study. <i>PLoS ONE</i> , 2015 , 10, e0124172	3.7	80

40	The mycobiota: interactions between commensal fungi and the host immune system. <i>Nature Reviews Immunology</i> , 2014 , 14, 405-16	36.5	397
39	Time to cast a larger net. <i>Nature Immunology</i> , 2014 , 15, 1000-1	19.1	5
38	Cutting edge: FYCO1 recruitment to dectin-1 phagosomes is accelerated by light chain 3 protein and regulates phagosome maturation and reactive oxygen production. <i>Journal of Immunology</i> , 2014 , 192, 1356-60	5.3	58
37	Phagocytosis 2014 , 91-109		2
36	Striking a balance: fungal commensalism versus pathogenesis. <i>Current Opinion in Microbiology</i> , 2013 , 16, 366-73	7.9	45
35	β-Glucan signaling connects phagocytosis to autophagy. <i>Glycobiology</i> , 2013 , 23, 1047-51	5.8	20
34	Mechanisms of Fc receptor and dectin-1 activation for phagocytosis. <i>Traffic</i> , 2012 , 13, 1062-71	5.7	89
33	Dectin-1-triggered recruitment of light chain 3 protein to phagosomes facilitates major histocompatibility complex class II presentation of fungal-derived antigens. <i>Journal of Biological Chemistry</i> , 2012 , 287, 34149-56	5.4	164
32	Interactions between commensal fungi and the C-type lectin receptor Dectin-1 influence colitis. <i>Science</i> , 2012 , 336, 1314-7	33.3	708
31	Oxidized mitochondrial DNA activates the NLRP3 inflammasome during apoptosis. <i>Immunity</i> , 2012 , 36, 401-14	32.3	1223
30	Information processing during phagocytosis. <i>Nature Reviews Immunology</i> , 2012 , 12, 492-502	36.5	359
29	Failure to induce IFN-γ production during Staphylococcus aureus infection contributes to pathogenicity. <i>Journal of Immunology</i> , 2012 , 189, 4537-45	5.3	33
28	Activation of the innate immune receptor Dectin-1 upon formation of a phagocytic synapse. <i>Nature</i> , 2011 , 472, 471-5	50.4	549
27	Phagosomal degradation increases TLR access to bacterial ligands and enhances macrophage sensitivity to bacteria. <i>Journal of Immunology</i> , 2011 , 187, 6002-10	5.3	61
26	Staphylococcus aureus evades lysozyme-based peptidoglycan digestion that links phagocytosis, inflammasome activation, and IL-1β secretion. <i>Cell Host and Microbe</i> , 2010 , 7, 38-49	23.4	200
25	Differential use of CARD9 by dectin-1 in macrophages and dendritic cells. <i>Journal of Immunology</i> , 2009 , 182, 1146-54	5.3	150
24	Beta-glucan recognition by the innate immune system. <i>Immunological Reviews</i> , 2009 , 230, 38-50	11.3	419
23	Current understanding of fungal microflora in inflammatory bowel disease pathogenesis. <i>Inflammatory Bowel Diseases</i> , 2008 , 14, 1147-53	4.5	13

22	Dectin-1 stimulation by <i>Candida albicans</i> yeast or zymosan triggers NFAT activation in macrophages and dendritic cells. <i>Journal of Immunology</i> , 2007 , 178, 3107-15	5.3	279
21	Collaboration between the innate immune receptors dectin-1, TLRs, and Nods. <i>Immunological Reviews</i> , 2007 , 219, 75-87	11.3	132
20	The many faces of ITAMs. <i>Trends in Immunology</i> , 2007 , 28, 66-73	14.4	144
19	Dectin-2 is a pattern recognition receptor for fungi that couples with the Fc receptor gamma chain to induce innate immune responses. <i>Journal of Biological Chemistry</i> , 2006 , 281, 38854-66	5.4	325
18	Dectin-1 and TLRs permit macrophages to distinguish between different <i>Aspergillus fumigatus</i> cellular states. <i>Journal of Immunology</i> , 2006 , 176, 3717-24	5.3	282
17	Phagosome maturation: steady as she goes. <i>Immunity</i> , 2005 , 23, 343-4	32.3	15
16	Dectin-1 activates Syk tyrosine kinase in a dynamic subset of macrophages for reactive oxygen production. <i>Blood</i> , 2005 , 106, 2543-50	2.2	385
15	Dectin-1 mediates macrophage recognition of <i>Candida albicans</i> yeast but not filaments. <i>EMBO Journal</i> , 2005 , 24, 1277-86	13	500
14	Toll-like receptors and microbes take aim at each other. <i>Current Opinion in Immunology</i> , 2004 , 16, 483-7	7.8	55
13	Integration of Toll-like receptor and phagocytic signaling for tailored immunity. <i>Microbes and Infection</i> , 2004 , 6, 1368-73	9.3	224
12	Macrophage recognition of zymosan particles. <i>Journal of Endotoxin Research</i> , 2003 , 9, 176-80		101
11	Toll-like receptors: networking for success. <i>European Journal of Immunology</i> , 2003 , 33, 1767-75	6.1	196
10	Collaborative induction of inflammatory responses by dectin-1 and Toll-like receptor 2. <i>Journal of Experimental Medicine</i> , 2003 , 197, 1107-17	16.6	1285
9	Toll-like receptors: key mediators of microbe detection. <i>Current Opinion in Immunology</i> , 2002 , 14, 103-10	7.8	555
8	Phagocytosis of microbes: complexity in action. <i>Annual Review of Immunology</i> , 2002 , 20, 825-52	34.7	836
7	Leptospiral lipopolysaccharide activates cells through a TLR2-dependent mechanism. <i>Nature Immunology</i> , 2001 , 2, 346-52	19.1	545
6	The innate immune response to bacterial flagellin is mediated by Toll-like receptor 5. <i>Nature</i> , 2001 , 410, 1099-103	50.4	2763
5	Dynamin 2 is required for phagocytosis in macrophages. <i>Journal of Experimental Medicine</i> , 1999 , 190, 1849-56	16.6	229

4	Dynamic interactions of macrophages with T cells during antigen presentation. <i>Journal of Experimental Medicine</i> , 1999 , 190, 1909-14	16.6	113
3	The Toll-like receptor 2 is recruited to macrophage phagosomes and discriminates between pathogens. <i>Nature</i> , 1999 , 402, 39-43	50.4	8
2	The Toll-like receptor 2 is recruited to macrophage phagosomes and discriminates between pathogens. <i>Nature</i> , 1999 , 401, 811-5	50.4	1185
1	Mechanisms of phagocytosis in macrophages. <i>Annual Review of Immunology</i> , 1999 , 17, 593-623	34.7	2028