David Michael Underhill

List of Publications by Year
in descending order

78	23,033	34105 52	71685 76
papers	citations	h-index	g-index

138	138	138	25774
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fungal microbiome in inflammatory bowel disease: a critical assessment. Journal of Clinical Investigation, 2022, 132, .	8.2	35
2	Pathogen size alters C-type lectin receptor signaling in dendritic cells to influence CD4 Th9 cell differentiation. Cell Reports, 2022, 38, 110567.	6.4	1
3	Non-protective immune imprint underlies failure of Staphylococcus aureus IsdB vaccine. Cell Host and Microbe, 2022, 30, 1163-1172.e6.	11.0	24
4	Frontline Science: Antibiotic treatment routes Mycobacterium avium to phagolysosomes without triggering proinflammatory cytokine production in human MÏ•s. Journal of Leukocyte Biology, 2021, 109, 23-33.	3.3	4
5	Malassezia spp. induce inflammatory cytokines and activate NLRP3 inflammasomes in phagocytes. Journal of Leukocyte Biology, 2021, 109, 161-172.	3.3	21
6	Debaryomyces is enriched in Crohnâ€™s disease intestinal tissue and impairs healing in mice. Science, 2021, 371, 1154-1159.	12.6	126
7	Commensal bacteria and fungi differentially regulate tumor responses to radiation therapy. Cancer Cell, 2021, 39, 1202-1213.e6.	16.8	124
8	Unsupervised Machine Learning Approaches Reveal Distinct Phenotypes of Perceived Bladder Pain: A Pilot Study. Frontiers in Pain Research, 2021, 2, .	2.0	2
9	Candida-induced asthma steps up to the plate-lets. Immunity, 2021, 54, 2442-2444.	14.3	1
10	Translocation of Viable Gut Microbiota to Mesenteric Adipose Drives Formation of Creeping Fat in Humans. Cell, 2020, 183, 666-683.e17.	28.9	211
11	Early Gut Fungal and Bacterial Microbiota and Childhood Growth. Frontiers in Pediatrics, 2020, 8, 572538.	1.9	13
12	Harnessing antifungal immunity in pursuit of a Staphylococcus aureus vaccine strategy. PLoS Pathogens, 2020, 16, e1008733.	4.7	10
13	4196 MICROBIAL COMPOSITION DEFINES PELVIC PAIN PHENOTYPES IN REPRODUCTIVE-AGE WOMEN. Journal of Clinical and Translational Science, 2020, 4, 12-13.	0.6	0
14	C-Type Lectin Receptors in Phagocytosis. Current Topics in Microbiology and Immunology, 2020, 429, 1-18.	1.1	15
15	Optimization of DNA extraction from human urinary samples for mycobiome community profiling. PLoS ONE, 2019, 14, e0210306.	2.5	25
16	Malassezia Is Associated with Crohnâ€™s Disease and Exacerbates Colitis in Mouse Models. Cell Host and Microbe, 2019, 25, 377-388.e6.	11.0	283
17	Peptidoglycan recognition by the innate immune system. Nature Reviews Immunology, 2018, 18, 243-254.	22.7	297
18	Cryptococcal meningitis in a daily cannabis smoker without evidence of immunodeficiency. BMJ Case Reports, 2018, 2018, bcr-2017-221435.	0.5	14

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19	Mucosal immune responses to fungi and the implications for inflammatory bowel disease. Current Opinion in Gastroenterology, 2018, 34, 398-403.	2.3	7
20	Expansion of commensal fungus Wallemia mellicola in the gastrointestinal mycobiota enhances the severity of allergic airway disease in mice. PLoS Pathogens, 2018, 14, e1007260.	4.7	76
21	Immunity to Commensal Fungi: Detente and Disease. Annual Review of Pathology: Mechanisms of Disease, 2017, 12, 359-385.	22.4	88
22	Myeloid ATG16L1 Facilitates Hostâ€“Bacteria Interactions in Maintaining Intestinal Homeostasis. Journal of Immunology, 2017, 198, 2133-2146.	0.8	56
23	Direct Antimicrobial Activity of IFN-Î². Journal of Immunology, 2017, 198, 4036-4045.	0.8	48
24	Commensal Fungi in Health and Disease. Cell Host and Microbe, 2017, 22, 156-165.	11.0	258
25	Hostâ€“microbe interactions: commensal fungi in the gut. Current Opinion in Microbiology, 2017, 40, 131-137.	5.1	62
26	Inflammatory properties of antibiotic-treated bacteria. Journal of Leukocyte Biology, 2017, 101, 127-134.	3.3	23
27	Autocrine Type I IFN Signaling in Dendritic Cells Stimulated with Fungal Î²-Glucans or Lipopolysaccharide Promotes CD8 T Cell Activation. Journal of Immunology, 2017, 198, 375-382.	0.8	29
28	The mycobiome of the human urinary tract: potential roles for fungi in urology. Annals of Translational Medicine, 2017, 5, 31-31.	1.7	68
29	Persistent Microvascular Obstruction After Myocardial Infarction Culminates in the Confluence of Ferric Iron Oxide Crystals, Proinflammatory Burden, and Adverse Remodeling. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	44
30	Immunological Consequences of Intestinal Fungal Dysbiosis. Cell Host and Microbe, 2016, 19, 865-873.	11.0	329
31	Ã‰lie Metchnikoff (1845â€“1916): celebrating 100 years of cellular immunology and beyond. Nature Reviews Immunology, 2016, 16, 651-656.	22.7	55
32	Hexokinase Is an Innate Immune Receptor for the Detection of Bacterial Peptidoglycan. Cell, 2016, 166, 624-636.	28.9	401
33	Group B Streptococcus Evades Host Immunity by Degrading Hyaluronan. Cell Host and Microbe, 2015, 18, 694-704.	11.0	66
34	Mycobiome: Approaches to analysis of intestinal fungi. Journal of Immunological Methods, 2015, 421, 112-121.	1.4	145
35	Batf3 deficiency is not critical for the generation of CD8Î±+ dendritic cells. Immunobiology, 2015, 220, 518-524.	1.9	18
36	Immune Interactions with Pathogenic and Commensal Fungi: A Two-Way Street. Immunity, 2015, 43, 845-858.	14.3	117

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37	Poorly Cross-Linked Peptidoglycan in MRSA Due to mecA Induction Activates the Inflammasome and Exacerbates Immunopathology. Cell Host and Microbe, 2015, 18, 604-612.	11.0	58
38	Characterization of Bacterial and Fungal Microbiome in Children with Hirschsprung Disease with and without a History of Enterocolitis: A Multicenter Study. PLoS ONE, 2015, 10, e0124172.	2.5	118
39	Cutting Edge: FYCO1 Recruitment to Dectin-1 Phagosomes Is Accelerated by Light Chain 3 Protein and Regulates Phagosome Maturation and Reactive Oxygen Production. Journal of Immunology, 2014, 192, 1356-1360.	0.8	63
40	The mycobiota: interactions between commensal fungi and the host immune system. Nature Reviews Immunology, 2014, 14, 405-416.	22.7	525
41	Time to cast a larger net. Nature Immunology, 2014, 15, 1000-1001.	14.5	5
42	Phagocytosis. , 2014, , 91-109.		3
43	Striking a balance: fungal commensalism versus pathogenesis. Current Opinion in Microbiology, 2013, 16, 366-373.	5.1	59
44	Â-glucan signaling connects phagocytosis to autophagy. Glycobiology, 2013, 23, 1047-1051.	2.5	21
45	Failure To Induce IFN-Î² Production during Staphylococcus aureus Infection Contributes to Pathogenicity. Journal of Immunology, 2012, 189, 4537-4545.	0.8	40
46	Dectin-1-triggered Recruitment of Light Chain 3 Protein to Phagosomes Facilitates Major Histocompatibility Complex Class II Presentation of Fungal-derived Antigens. Journal of Biological Chemistry, 2012, 287, 34149-34156.	3.4	187
47	Interactions Between Commensal Fungi and the C-Type Lectin Receptor Dectin-1 Influence Colitis. Science, 2012, 336, 1314-1317.	12.6	886
48	Oxidized Mitochondrial DNA Activates the NLRP3 Inflammasome during Apoptosis. Immunity, 2012, 36, 401-414.	14.3	1,618
49	Information processing during phagocytosis. Nature Reviews Immunology, 2012, 12, 492-502.	22.7	463
50	Mechanisms of Fc Receptor and Dectinâ€1 Activation for Phagocytosis. Traffic, 2012, 13, 1062-1071.	2.7	119
51	Activation of the innate immune receptor Dectin-1 upon formation of a â€˜phagocytic synapseâ€™. Nature, 2011, 472, 471-475.	27.8	703
52	Phagosomal Degradation Increases TLR Access to Bacterial Ligands and Enhances Macrophage Sensitivity to Bacteria. Journal of Immunology, 2011, 187, 6002-6010.	0.8	71
53	Staphylococcus aureus Evades Lysozyme-Based Peptidoglycan Digestion that Links Phagocytosis, Inflammasome Activation, and IL-1Î² Secretion. Cell Host and Microbe, 2010, 7, 38-49.	11.0	239
54	Differential Use of CARD9 by Dectin-1 in Macrophages and Dendritic Cells. Journal of Immunology, 2009, 182, 1146-1154.	0.8	170

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55	Î²â€glucan recognition by the innate immune system. Immunological Reviews, 2009, 230, 38-50.	6.0	532
56	Current understanding of fungal microflora in inflammatory bowel disease pathogenesis. Inflammatory Bowel Diseases, 2008, 14, 1147-1153.	1.9	17
57	The many faces of ITAMs. Trends in Immunology, 2007, 28, 66-73.	6.8	161
58	Dectin-1 Stimulation by Candida albicans Yeast or Zymosan Triggers NFAT Activation in Macrophages and Dendritic Cells. Journal of Immunology, 2007, 178, 3107-3115.	0.8	330
59	Collaboration between the innate immune receptors dectinâ€1, TLRs, and Nods. Immunological Reviews, 2007, 219, 75-87.	6.0	163
60	Dectin-2 Is a Pattern Recognition Receptor for Fungi That Couples with the Fc Receptor Î³ Chain to Induce Innate Immune Responses. Journal of Biological Chemistry, 2006, 281, 38854-38866.	3.4	381
61	Dectin-1 and TLRs Permit Macrophages to Distinguish between Different Aspergillus fumigatus Cellular States. Journal of Immunology, 2006, 176, 3717-3724.	0.8	305
62	Dectin-1 activates Syk tyrosine kinase in a dynamic subset of macrophages for reactive oxygen production. Blood, 2005, 106, 2543-2550.	1.4	446
63	Dectin-1 mediates macrophage recognition of Candida albicans yeast but not filaments. EMBO Journal, 2005, 24, 1277-1286.	7.8	573
64	Phagosome Maturation: Steady as She Goes. Immunity, 2005, 23, 343-344.	14.3	19
65	Toll-like receptors and microbes take aim at each other. Current Opinion in Immunology, 2004, 16, 483-487.	5.5	63
66	Integration of Toll-like receptor and phagocytic signaling for tailored immunity. Microbes and Infection, 2004, 6, 1368-1373.	1.9	240
67	Mini-review Toll-like receptors: networking for success. European Journal of Immunology, 2003, 33, 1767-1775.	2.9	216
68	Collaborative Induction of Inflammatory Responses by Dectin-1 and Toll-like Receptor 2. Journal of Experimental Medicine, 2003, 197, 1107-1117.	8.5	1,447
69	Macrophage recognition of zymosan particles. Journal of Endotoxin Research, 2003, 9, 176-180.	2.5	113
70	Toll-like receptors: key mediators of microbe detection. Current Opinion in Immunology, 2002, 14, 103-110.	5.5	632
71	Phagocytosis of Microbes: Complexity in Action. Annual Review of Immunology, 2002, 20, 825-852.	21.8	954
72	Leptospiral lipopolysaccharide activates cells through a TLR2-dependent mechanism. Nature Immunology, 2001, 2, 346-352.	14.5	637

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73	The innate immune response to bacterial flagellin is mediated by Toll-like receptor 5. Nature, 2001, 410, 1099-1103.	27.8	3,186
74	Dynamin 2 Is Required for Phagocytosis in Macrophages. Journal of Experimental Medicine, 1999, 190, 1849-1856.	8.5	252
75	Dynamic Interactions of Macrophages with T Cells during Antigen Presentation. Journal of Experimental Medicine, 1999, 190, 1909-1914.	8.5	128
76	The Toll-like receptor 2 is recruited to macrophage phagosomes and discriminates between pathogens. Nature, 1999, 402, 39-43.	27.8	9
77	The Toll-like receptor 2 is recruited to macrophage phagosomes and discriminates between pathogens. Nature, 1999, 401, 811-815.	27.8	1,295
78	MECHANISMS OF PHAGOCYTOSIS IN MACROPHAGES. Annual Review of Immunology, 1999, 17, 593-623.	21.8	2,366