David M Tobin

List of Publications by Year
in descending order

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53 papers	5,034 citations	147801 31 h-index	175258 52 g-index
61 all docs	61 docs citations	61 times ranked	6315 citing authors

#	Article	IF	Citations
1	Host Genotype-Specific Therapies Can Optimize the Inflammatory Response to Mycobacterial Infections. Cell, 2012, 148, 434-446.	28.9	523
2	The lta4h Locus Modulates Susceptibility to Mycobacterial Infection in Zebrafish and Humans. Cell, 2010, 140, 717-730.	28.9	501
3	Mycobacteria manipulate macrophage recruitment through coordinated use of membrane lipids. Nature, 2014, 505, 218-222.	27.8	422
4	Combinatorial Expression of TRPV Channel Proteins Defines Their Sensory Functions and Subcellular Localization in C. elegans Neurons. Neuron, 2002, 35, 307-318.	8.1	417
5	Mammalian TRPV4 (VR-OAC) directs behavioral responses to osmotic and mechanical stimuli in Caenorhabditis elegans. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 14531-14536.	7.1	310
6	Comparative pathogenesis of Mycobacterium marinum and Mycobacterium tuberculosis. Cellular Microbiology, 2008, 10, 1027-1039.	2.1	284
7	Interception of host angiogenic signalling limits mycobacterial growth. Nature, 2015, 517, 612-615.	27.8	239
8	Social feeding in Caenorhabditis elegans is induced by neurons that detect aversive stimuli. Nature, 2002, 419, 899-903.	27.8	229
9	Macrophage Epithelial Reprogramming Underlies Mycobacterial Granuloma Formation and Promotes Infection. Immunity, 2016, 45, 861-876.	14.3	176
10	Epigenetic control of intestinal barrier function and inflammation in zebrafish. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2770-2775.	7.1	163
11	The Macrophage-Specific Promoter mfap4 Allows Live, Long-Term Analysis of Macrophage Behavior during Mycobacterial Infection in Zebrafish. PLoS ONE, 2015, 10, e0138949.	2.5	140
12	Fit for consumption: zebrafish as a model for tuberculosis. DMM Disease Models and Mechanisms, 2014, 7, 777-784.	2.4	120
13	Lysosomal Disorders Drive Susceptibility to Tuberculosis by Compromising Macrophage Migration. Cell, 2016, 165, 139-152.	28.9	117
14	Macrophage form, function, and phenotype in mycobacterial infection: lessons from tuberculosis and other diseases. Pathogens and Disease, 2016, 74, ftw068.	2.0	116
15	Host-Directed Therapies for Tuberculosis: Figure 1.. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a021196.	6.2	104
16	Invertebrate nociception: Behaviors, neurons and molecules. Journal of Neurobiology, 2004, 61, 161-174.	3.6	85
17	Zebrafish: A See-Through Host and a Fluorescent Toolbox to Probe Hostâ€“Pathogen Interaction. PLoS Pathogens, 2012, 8, e1002349.	4.7	84
18	Live Imaging of Host-Parasite Interactions in a Zebrafish Infection Model Reveals Cryptococcal Determinants of Virulence and Central Nervous System Invasion. MBio, 2015, 6, e01425-15.	4.1	65

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19	A non-canonical type 2 immune response coordinates tuberculous granuloma formation and epithelialization. Cell, 2021, 184, 1757-1774.e14.	28.9	63
20	Search for MicroRNAs Expressed by Intracellular Bacterial Pathogens in Infected Mammalian Cells. PLoS ONE, 2014, 9, e106434.	2.5	59
21	CLARITY and PACT-based imaging of adult zebrafish and mouse for whole-animal analysis of infections. DMM Disease Models and Mechanisms, 2015, 8, 1643-50.	2.4	56
22	Intestinal Serum amyloid A suppresses systemic neutrophil activation and bactericidal activity in response to microbiota colonization. PLoS Pathogens, 2019, 15, e1007381.	4.7	54
23	TB: the Yin and Yang of lipid mediators. Current Opinion in Pharmacology, 2013, 13, 641-645.	3.5	53
24	Adventures within the speckled band: heterogeneity, angiogenesis, and balanced inflammation in the tuberculous granuloma. Immunological Reviews, 2015, 264, 276-287.	6.0	46
25	Infection-Induced Vascular Permeability Aids Mycobacterial Growth. Journal of Infectious Diseases, 2017, 215, jiw355.	4.0	46
26	Human genetic variation in VAC14 regulates Salmonella invasion and typhoid fever through modulation of cholesterol. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7746-E7755.	7.1	46
27	Direct InÂVivo Manipulation and Imaging of Calcium Transients in Neutrophils Identify a Critical Role for Leading-Edge Calcium Flux. Cell Reports, 2015, 13, 2107-2117.	6.4	45
28	An explant technique for high-resolution imaging and manipulation of mycobacterial granulomas. Nature Methods, 2018, 15, 1098-1107.	19.0	43
29	An Enzyme That Inactivates the Inflammatory Mediator Leukotriene B4 Restricts Mycobacterial Infection. PLoS ONE, 2013, 8, e67828.	2.5	42
30	Potentiation of P2RX7 as a host-directed strategy for control of mycobacterial infection. ELife, 2019, 8, .	6.0	39
31	Spotlight on zebrafish: the next wave of translational research. DMM Disease Models and Mechanisms, 2019, 12, .	2.4	35
32	Cyclopropane Modification of Trehalose Dimycolate Drives Granuloma Angiogenesis and Mycobacterial Growth through Vegf Signaling. Cell Host and Microbe, 2018, 24, 514-525.e6.	11.0	34
33	Live Imaging of Hostâ€“Pathogen Interactions in Zebrafish Larvae. Methods in Molecular Biology, 2016, 1451, 207-223.	0.9	30
34	Mycobacterial Evolution Intersects With Host Tolerance. Frontiers in Immunology, 2019, 10, 528.	4.8	29
35	Thrombocyte Inhibition Restores Protective Immunity to Mycobacterial Infection in Zebrafish. Journal of Infectious Diseases, 2019, 220, 524-534.	4.0	28
36	Moving toward Tuberculosis Elimination. Critical Issues for Research in Diagnostics and Therapeutics for Tuberculosis Infection. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 564-571.	5.6	20

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37	Elevated cerebrospinal fluid cytokine levels in tuberculous meningitis predict survival in response to dexamethasone. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	19
38	Stable Expression of Lentiviral Antigens by Quality-Controlled Recombinant Mycobacterium bovis BCG Vectors. Vaccine Journal, 2015, 22, 726-741.	3.1	16
39	Whole genome sequencing identifies circulating Beijing-lineage Mycobacterium tuberculosis strains in Guatemala and an associated urban outbreak. Tuberculosis, 2015, 95, 810-816.	1.9	16
40	CPAG: software for leveraging pleiotropy in GWAS to reveal similarity between human traits links plasma fatty acids and intestinal inflammation. Genome Biology, 2015, 16, 190.	8.8	15
41	Visualizing the dynamics of tuberculosis pathology using molecular imaging. Journal of Clinical Investigation, 2021, 131, .	8.2	12
42	Endogenous Tagging at thecdh1Locus for Live Visualization of E-Cadherin Dynamics. Zebrafish, 2019, 16, 324-325.	1.1	11
43	Detection of Autofluorescent Mycobacterium Chelonae in Living Zebrafish. Zebrafish, 2014, 11, 76-82.	1.1	10
44	Epithelial delamination is protective during pharmaceutical-induced enteropathy. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16961-16970.	7.1	8
45	A robust and flexible CRISPR/Cas9-based system for neutrophil-specific gene inactivation in zebrafish. Journal of Cell Science, 2021, 134, .	2.0	8
46	A Cluster of Nontuberculous Mycobacterial Tenosynovitis Following Hurricane Relief Efforts. Clinical Infectious Diseases, 2021, 72, e931-e937.	5.8	7
47	Drug-Inducible, Cell-Specific Manipulation of Intracellular Calcium in Zebrafish Through Mammalian TRPV1 Expression. Zebrafish, 2016, 13, 374-375.	1.1	4
48	Macrophage ACKRobatics: An atypical Cxcr3 keeps macrophages in check. Journal of Leukocyte Biology, 2020, 107, 171-173.	3.3	3
49	Early cell-autonomous accumulation of neutral lipids during infection promotes mycobacterial growth. PLoS ONE, 2020, 15, e0232251.	2.5	3
50	Inhibition of infection-induced vascular permeability modulates host leukocyte recruitment to Mycobacterium marinum granulomas in zebrafish. Pathogens and Disease, 2022, 80, .	2.0	3
51	Annotated Genome Sequences of 16 Lineage 4 Mycobacterium tuberculosis Strains from Guatemala. Genome Announcements, 2018, 6, .	0.8	2
52	Decoding the tuberculous granuloma. Immunity, 2022, 55, 819-821.	14.3	1
53	Consequential drug combinations for tuberculosis treatments. Cell Systems, 2021, 12, 1021-1022.	6.2	0