David M Tobin

List of Publications by Year
in descending order

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Version: 2024-02-01

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	Inhibition of infection-induced vascular permeability modulates host leukocyte recruitment to Mycobacterium marinum granulomas in zebrafish. Pathogens and Disease, 2022, 80, .	2.0	3
2	Decoding the tuberculous granuloma. Immunity, 2022, 55, 819-821.	14.3	1
3	Visualizing the dynamics of tuberculosis pathology using molecular imaging. Journal of Clinical Investigation, 2021, 131, .	8.2	12
4	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
5	A robust and flexible CRISPR/Cas9-based system for neutrophil-specific gene inactivation in zebrafish. Journal of Cell Science, 2021, 134, .	2.0	8
6	A non-canonical type 2 immune response coordinates tuberculous granuloma formation and epithelialization. Cell, 2021, 184, 1757-1774.e14.	28.9	63
7	A Cluster of Nontuberculous Mycobacterial Tenosynovitis Following Hurricane Relief Efforts. Clinical Infectious Diseases, 2021, 72, e931-e937.	5.8	7
8	Consequential drug combinations for tuberculosis treatments. Cell Systems, 2021, 12, 1021-1022.	6.2	0
9	Macrophage ACKRobatics: An atypical Cxcr3 keeps macrophages in check. Journal of Leukocyte Biology, 2020, 107, 171-173.	3.3	3
10	Early cell-autonomous accumulation of neutral lipids during infection promotes mycobacterial growth. PLoS ONE, 2020, 15, e0232251.	2.5	3
11	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
12	Thrombocyte Inhibition Restores Protective Immunity to Mycobacterial Infection in Zebrafish. Journal of Infectious Diseases, 2019, 220, 524-534.	4.0	28
13	Intestinal Serum amyloid A suppresses systemic neutrophil activation and bactericidal activity in response to microbiota colonization. PLoS Pathogens, 2019, 15, e1007381.	4.7	54
14	Spotlight on zebrafish: the next wave of translational research. DMM Disease Models and Mechanisms, 2019, 12, .	2.4	35
15	Endogenous Tagging at thecdh1Locus for Live Visualization of E-Cadherin Dynamics. Zebrafish, 2019, 16, 324-325.	1.1	11
16	Mycobacterial Evolution Intersects With Host Tolerance. Frontiers in Immunology, 2019, 10, 528.	4.8	29
17	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
18	Potentiation of P2RX7 as a host-directed strategy for control of mycobacterial infection. ELife, 2019, 8, .	6.0	39

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19	Annotated Genome Sequences of 16 Lineage 4 Mycobacterium tuberculosis Strains from Guatemala. Genome Announcements, 2018, 6, .	0.8	2
20	An explant technique for high-resolution imaging and manipulation of mycobacterial granulomas. Nature Methods, 2018, 15, 1098-1107.	19.0	43
21	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
22	Infection-Induced Vascular Permeability Aids Mycobacterial Growth. Journal of Infectious Diseases, 2017, 215, jiw355.	4.0	46
23	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
24	Drug-Inducible, Cell-Specific Manipulation of Intracellular Calcium in Zebrafish Through Mammalian TRPV1 Expression. Zebrafish, 2016, 13, 374-375.	1.1	4
25	Live Imaging of Hostâ€“Pathogen Interactions in Zebrafish Larvae. Methods in Molecular Biology, 2016, 1451, 207-223.	0.9	30
26	Macrophage form, function, and phenotype in mycobacterial infection: lessons from tuberculosis and other diseases. Pathogens and Disease, 2016, 74, ftw068.	2.0	116
27	Macrophage Epithelial Reprogramming Underlies Mycobacterial Granuloma Formation and Promotes Infection. Immunity, 2016, 45, 861-876.	14.3	176
28	Lysosomal Disorders Drive Susceptibility to Tuberculosis by Compromising Macrophage Migration. Cell, 2016, 165, 139-152.	28.9	117
29	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
30	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
31	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
32	Adventures within the speckled band: heterogeneity, angiogenesis, and balanced inflammation in the tuberculous granuloma. Immunological Reviews, 2015, 264, 276-287.	6.0	46
33	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
34	Host-Directed Therapies for Tuberculosis: Figure 1.. Cold Spring Harbor Perspectives in Medicine, 2015, 5, a021196.	6.2	104
35	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
36	Stable Expression of Lentiviral Antigens by Quality-Controlled Recombinant Mycobacterium bovis BCG Vectors. Vaccine Journal, 2015, 22, 726-741.	3.1	16

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37	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
38	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
39	Interception of host angiogenic signalling limits mycobacterial growth. Nature, 2015, 517, 612-615.	27.8	239
40	Detection of Autofluorescent Mycobacterium Chelonae in Living Zebrafish. Zebrafish, 2014, 11, 76-82.	1.1	10
41	Fit for consumption: zebrafish as a model for tuberculosis. DMM Disease Models and Mechanisms, 2014, 7, 777-784.	2.4	120
42	Search for MicroRNAs Expressed by Intracellular Bacterial Pathogens in Infected Mammalian Cells. PLoS ONE, 2014, 9, e106434.	2.5	59
43	Mycobacteria manipulate macrophage recruitment through coordinated use of membrane lipids. Nature, 2014, 505, 218-222.	27.8	422
44	TB: the Yin and Yang of lipid mediators. Current Opinion in Pharmacology, 2013, 13, 641-645.	3.5	53
45	An Enzyme That Inactivates the Inflammatory Mediator Leukotriene B4 Restricts Mycobacterial Infection. PLoS ONE, 2013, 8, e67828.	2.5	42
46	Zebrafish: A See-Through Host and a Fluorescent Toolbox to Probe Hostâ€“Pathogen Interaction. PLoS Pathogens, 2012, 8, e1002349.	4.7	84
47	Host Genotype-Specific Therapies Can Optimize the Inflammatory Response to Mycobacterial Infections. Cell, 2012, 148, 434-446.	28.9	523
48	The lta4h Locus Modulates Susceptibility to Mycobacterial Infection in Zebrafish and Humans. Cell, 2010, 140, 717-730.	28.9	501
49	Comparative pathogenesis of Mycobacterium marinum and Mycobacterium tuberculosis. Cellular Microbiology, 2008, 10, 1027-1039.	2.1	284
50	Invertebrate nociception: Behaviors, neurons and molecules. Journal of Neurobiology, 2004, 61, 161-174.	3.6	85
51	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
52	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
53	Social feeding in Caenorhabditis elegans is induced by neurons that detect aversive stimuli. Nature, 2002, 419, 899-903.	27.8	229