

David M Tobin

List of Publications by Year in descending order

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53
papers

5,034
citations

147566

31
h-index

174990

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. <i>Cell</i> , 2012, 148, 434-446.	13.5	523
2	The <i>Ita4h</i> Locus Modulates Susceptibility to Mycobacterial Infection in Zebrafish and Humans. <i>Cell</i> , 2010, 140, 717-730.	13.5	501
3	<i>Mycobacteria</i> manipulate macrophage recruitment through coordinated use of membrane lipids. <i>Nature</i> , 2014, 505, 218-222.	13.7	422
4	Combinatorial Expression of TRPV Channel Proteins Defines Their Sensory Functions and Subcellular Localization in <i>C. elegans</i> Neurons. <i>Neuron</i> , 2002, 35, 307-318.	3.8	417
5	Mammalian TRPV4 (VR-OAC) directs behavioral responses to osmotic and mechanical stimuli in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 14531-14536.	3.3	310
6	Comparative pathogenesis of <i>Mycobacterium marinum</i> and <i>Mycobacterium tuberculosis</i> . <i>Cellular Microbiology</i> , 2008, 10, 1027-1039.	1.1	284
7	Interception of host angiogenic signalling limits mycobacterial growth. <i>Nature</i> , 2015, 517, 612-615.	13.7	239
8	Social feeding in <i>Caenorhabditis elegans</i> is induced by neurons that detect aversive stimuli. <i>Nature</i> , 2002, 419, 899-903.	13.7	229
9	Macrophage Epithelial Reprogramming Underlies Mycobacterial Granuloma Formation and Promotes Infection. <i>Immunity</i> , 2016, 45, 861-876.	6.6	176
10	Epigenetic control of intestinal barrier function and inflammation in zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2770-2775.	3.3	163
11	The Macrophage-Specific Promoter <i>mfap4</i> Allows Live, Long-Term Analysis of Macrophage Behavior during Mycobacterial Infection in Zebrafish. <i>PLoS ONE</i> , 2015, 10, e0138949.	1.1	140
12	Fit for consumption: zebrafish as a model for tuberculosis. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 777-784.	1.2	120
13	Lysosomal Disorders Drive Susceptibility to Tuberculosis by Compromising Macrophage Migration. <i>Cell</i> , 2016, 165, 139-152.	13.5	117
14	Macrophage form, function, and phenotype in mycobacterial infection: lessons from tuberculosis and other diseases. <i>Pathogens and Disease</i> , 2016, 74, ftw068.	0.8	116
15	Host-Directed Therapies for Tuberculosis: Figure 1.. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2015, 5, a021196.	2.9	104
16	Invertebrate nociception: Behaviors, neurons and molecules. <i>Journal of Neurobiology</i> , 2004, 61, 161-174.	3.7	85
17	Zebrafish: A See-Through Host and a Fluorescent Toolbox to Probe Host-Pathogen Interaction. <i>PLoS Pathogens</i> , 2012, 8, e1002349.	2.1	84
18	Live Imaging of Host-Parasite Interactions in a Zebrafish Infection Model Reveals Cryptococcal Determinants of Virulence and Central Nervous System Invasion. <i>MBio</i> , 2015, 6, e01425-15.	1.8	65

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19	A non-canonical type 2 immune response coordinates tuberculous granuloma formation and epithelialization. <i>Cell</i> , 2021, 184, 1757-1774.e14.	13.5	63
20	Search for MicroRNAs Expressed by Intracellular Bacterial Pathogens in Infected Mammalian Cells. <i>PLoS ONE</i> , 2014, 9, e106434.	1.1	59
21	CLARITY and PACT-based imaging of adult zebrafish and mouse for whole-animal analysis of infections. <i>DMM Disease Models and Mechanisms</i> , 2015, 8, 1643-50.	1.2	56
22	Intestinal Serum amyloid A suppresses systemic neutrophil activation and bactericidal activity in response to microbiota colonization. <i>PLoS Pathogens</i> , 2019, 15, e1007381.	2.1	54
23	TB: the Yin and Yang of lipid mediators. <i>Current Opinion in Pharmacology</i> , 2013, 13, 641-645.	1.7	53
24	Adventures within the speckled band: heterogeneity, angiogenesis, and balanced inflammation in the tuberculous granuloma. <i>Immunological Reviews</i> , 2015, 264, 276-287.	2.8	46
25	Infection-Induced Vascular Permeability Aids Mycobacterial Growth. <i>Journal of Infectious Diseases</i> , 2017, 215, jiw355.	1.9	46
26	Human genetic variation in <i>VAC14</i> regulates <i>Salmonella</i> invasion and typhoid fever through modulation of cholesterol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7746-E7755.	3.3	46
27	Direct In Vivo Manipulation and Imaging of Calcium Transients in Neutrophils Identify a Critical Role for Leading-Edge Calcium Flux. <i>Cell Reports</i> , 2015, 13, 2107-2117.	2.9	45
28	An explant technique for high-resolution imaging and manipulation of mycobacterial granulomas. <i>Nature Methods</i> , 2018, 15, 1098-1107.	9.0	43
29	An Enzyme That Inactivates the Inflammatory Mediator Leukotriene B4 Restricts Mycobacterial Infection. <i>PLoS ONE</i> , 2013, 8, e67828.	1.1	42
30	Potential of P2RX7 as a host-directed strategy for control of mycobacterial infection. <i>ELife</i> , 2019, 8, .	2.8	39
31	Spotlight on zebrafish: the next wave of translational research. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	1.2	35
32	Cyclopropane Modification of Trehalose Dimycolate Drives Granuloma Angiogenesis and Mycobacterial Growth through Vegf Signaling. <i>Cell Host and Microbe</i> , 2018, 24, 514-525.e6.	5.1	34
33	Live Imaging of Host-Pathogen Interactions in Zebrafish Larvae. <i>Methods in Molecular Biology</i> , 2016, 1451, 207-223.	0.4	30
34	Mycobacterial Evolution Intersects With Host Tolerance. <i>Frontiers in Immunology</i> , 2019, 10, 528.	2.2	29
35	Thrombocyte Inhibition Restores Protective Immunity to Mycobacterial Infection in Zebrafish. <i>Journal of Infectious Diseases</i> , 2019, 220, 524-534.	1.9	28
36	Moving toward Tuberculosis Elimination. <i>Critical Issues for Research in Diagnostics and Therapeutics for Tuberculosis Infection. American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 564-571.	2.5	20

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37	Elevated cerebrospinal fluid cytokine levels in tuberculous meningitis predict survival in response to dexamethasone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	19
38	Stable Expression of Lentiviral Antigens by Quality-Controlled Recombinant <i>Mycobacterium bovis</i> BCG Vectors. <i>Vaccine Journal</i> , 2015, 22, 726-741.	3.2	16
39	Whole genome sequencing identifies circulating Beijing-lineage <i>Mycobacterium tuberculosis</i> strains in Guatemala and an associated urban outbreak. <i>Tuberculosis</i> , 2015, 95, 810-816.	0.8	16
40	CPAG: software for leveraging pleiotropy in GWAS to reveal similarity between human traits links plasma fatty acids and intestinal inflammation. <i>Genome Biology</i> , 2015, 16, 190.	3.8	15
41	Visualizing the dynamics of tuberculosis pathology using molecular imaging. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	12
42	Endogenous Tagging at the <i>cdh1</i> Locus for Live Visualization of E-Cadherin Dynamics. <i>Zebrafish</i> , 2019, 16, 324-325.	0.5	11
43	Detection of Autofluorescent <i>Mycobacterium Chelonae</i> in Living Zebrafish. <i>Zebrafish</i> , 2014, 11, 76-82.	0.5	10
44	Epithelial delamination is protective during pharmaceutical-induced enteropathy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16961-16970.	3.3	8
45	A robust and flexible CRISPR/Cas9-based system for neutrophil-specific gene inactivation in zebrafish. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	8
46	A Cluster of Nontuberculous Mycobacterial Tenosynovitis Following Hurricane Relief Efforts. <i>Clinical Infectious Diseases</i> , 2021, 72, e931-e937.	2.9	7
47	Drug-Inducible, Cell-Specific Manipulation of Intracellular Calcium in Zebrafish Through Mammalian TRPV1 Expression. <i>Zebrafish</i> , 2016, 13, 374-375.	0.5	4
48	Macrophage ACKRobotics: An atypical Cxcr3 keeps macrophages in check. <i>Journal of Leukocyte Biology</i> , 2020, 107, 171-173.	1.5	3
49	Early cell-autonomous accumulation of neutral lipids during infection promotes mycobacterial growth. <i>PLoS ONE</i> , 2020, 15, e0232251.	1.1	3
50	Inhibition of infection-induced vascular permeability modulates host leukocyte recruitment to <i>Mycobacterium marinum</i> granulomas in zebrafish. <i>Pathogens and Disease</i> , 2022, 80, .	0.8	3
51	Annotated Genome Sequences of 16 Lineage 4 <i>Mycobacterium tuberculosis</i> Strains from Guatemala. <i>Genome Announcements</i> , 2018, 6, .	0.8	2
52	Decoding the tuberculous granuloma. <i>Immunity</i> , 2022, 55, 819-821.	6.6	1
53	Consequential drug combinations for tuberculosis treatments. <i>Cell Systems</i> , 2021, 12, 1021-1022.	2.9	0