Michael S Glickman

List of Publications by Year
in descending order

83 papers	7,602 citations	61984 43 h-index	60623 81 g-index
93 all docs	93 docs citations	93 times ranked	10814 citing authors

#	Article	IF	Citations
1	Single-Cell Transcriptional Profiling Reveals Signatures of Helper, Effector, and Regulatory MAIT Cells during Homeostasis and Activation. Journal of Immunology, 2022, 208, 1042-1056.	0.8	26
2	Gastrointestinal microbiota composition predicts peripheral inflammatory state during treatment of human tuberculosis. Nature Communications, 2021, 12, 1141.	12.8	28
3	The DnaK Chaperone System Buffers the Fitness Cost of Antibiotic Resistance Mutations in Mycobacteria. MBio, 2021, 12, .	4.1	14
4	Structural basis for aggregate dissolution and refolding by the Mycobacterium tuberculosis ClpB-DnaK bi-chaperone system. Cell Reports, 2021, 35, 109166.	6.4	13
5	Integrated sensing of host stresses by inhibition of a cytoplasmic two-component system controls M. tuberculosis acute lung infection. ELife, 2021, 10, .	6.0	15
6	Inherited PD-1 deficiency underlies tuberculosis and autoimmunity in a child. Nature Medicine, 2021, 27, 1646-1654.	30.7	65
7	Division of labor between SOS and PafBC in mycobacterial DNA repair and mutagenesis. Nucleic Acids Research, 2021, 49, 12805-12819.	14.5	18
8	Efficient 5-OP-RU-Induced Enrichment of Mucosa-Associated Invariant T Cells in the Murine Lung Does Not Enhance Control of Aerosol Mycobacterium tuberculosis Infection. Infection and Immunity, 2020, 89, .	2.2	25
9	Bacterial immunotherapy for cancer induces CD4-dependent tumor-specific immunity through tumor-intrinsic interferon-Î³ signaling. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 18627-18637.	7.1	58
10	A multilayered repair system protects the mycobacterial chromosome from endogenous and antibiotic-induced oxidative damage. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 19517-19527.	7.1	21
11	Determinants of COVID-19 disease severity in patients with cancer. Nature Medicine, 2020, 26, 1218-1223.	30.7	501
12	TOX is a critical regulator of tumour-specific T cell differentiation. Nature, 2019, 571, 270-274.	27.8	697
13	Editorial overview: Attrition warfare: host cell weapons against intracellular pathogens, and how the pathogens fight back. Current Opinion in Immunology, 2019, 60, vi-ix.	5.5	1
14	Two Accessory Proteins Govern MmpL3 Mycolic Acid Transport in Mycobacteria. MBio, 2019, 10, .	4.1	32
15	Viral oncolytic immunotherapy in the war on cancer: Infection control considerations. Infection Control and Hospital Epidemiology, 2019, 40, 350-354.	1.8	10
16	Rifamycin congeners kanglemycins are active against rifampicin-resistant bacteria via a distinct mechanism. Nature Communications, 2018, 9, 4147.	12.8	57
17	The Microbiome and Tuberculosis: Early Evidence for Cross Talk. MBio, 2018, 9, .	4.1	71
18	Mycobacterial Mutagenesis and Drug Resistance Are Controlled by Phosphorylation- and Cardiolipin-Mediated Inhibition of the RecA Coprotease. Molecular Cell, 2018, 72, 152-161.e7.	9.7	23

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19	Challenges for the MD Physician-Scientist Upon Entering the Lab: From the Grand to the Practical. Journal of Infectious Diseases, 2018, 218, S25-S27.	4.0	6
20	Mucosal-associated invariant and Î³Î´ T cell subsets respond to initial Mycobacterium tuberculosis infection. JCI Insight, 2018, 3, .	5.0	59
21	Synthesis, stabilization, and characterization of the MR1 ligand precursor 5-amino-6-D-ribitylaminouracil (5-A-RU). PLoS ONE, 2018, 13, e0191837.	2.5	31
22	Control of biotin biosynthesis in mycobacteria by a pyruvate carboxylase dependent metabolic signal. Molecular Microbiology, 2017, 106, 1018-1031.	2.5	10
23	Antibiotic treatment for Tuberculosis induces a profound dysbiosis of the microbiome that persists long after therapy is completed. Scientific Reports, 2017, 7, 10767.	3.3	148
24	Nontuberculous Mycobacterial Infections After Silicone Breast Implant Reconstruction Emphasize a Diversity of Infecting Mycobacteria. Open Forum Infectious Diseases, 2017, 4, ofx189.	0.9	8
25	Division of labor among<i>Mycobacterium smegmatis</i>RNase H enzymes: RNase H1 activity of RnhA or RnhC is essential for growth whereas RnhB and RnhA guard against killing by hydrogen peroxide in stationary phase. Nucleic Acids Research, 2017, 45, 1-14.	14.5	183
26	Structure and function of the mycobacterial transcription initiation complex with the essential regulator RbpA. ELife, 2017, 6, .	6.0	106
27	Homologous recombination mediated by the mycobacterial AdnAB helicase without end resection by the AdnAB nucleases. Nucleic Acids Research, 2017, 45, 762-774.	14.5	17
28	Longitudinal profiling reveals a persistent intestinal dysbiosis triggered by conventional anti-tuberculosis therapy. Microbiome, 2017, 5, 71.	11.1	117
29	Adding Insult to Injury: Exacerbating TB Risk with Smoking. Cell Host and Microbe, 2016, 19, 432-433.	11.0	6
30	Reconstitution of a <i>Mycobacterium tuberculosis</i> proteostasis network highlights essential cofactor interactions with chaperone DnaK. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7947-E7956.	7.1	43
31	Control of T cell antigen reactivity via programmed TCR downregulation. Nature Immunology, 2016, 17, 379-386.	14.5	79
32	Clinical and radiographic differentiation of lung nodules caused by mycobacteria and lung cancer: a caseâ€“control study. BMC Infectious Diseases, 2015, 15, 482.	2.9	5
33	RecF and RecR Play Critical Roles in the Homologous Recombination and Single-Strand Annealing Pathways of Mycobacteria. Journal of Bacteriology, 2015, 197, 3121-3132.	2.2	16
34	An Essential Nonredundant Role for Mycobacterial DnaK in Native Protein Folding. PLoS Genetics, 2014, 10, e1004516.	3.5	62
35	DNA Ligase C1 Mediates the LigD-Independent Nonhomologous End-Joining Pathway of Mycobacterium smegmatis. Journal of Bacteriology, 2014, 196, 3366-3376.	2.2	18
36	The Rip1 Protease of Mycobacterium tuberculosis Controls the SigD Regulon. Journal of Bacteriology, 2014, 196, 2638-2645.	2.2	25

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37	The mechanism of action of BCG therapy for bladder cancerâ€"a current perspective. Nature Reviews Urology, 2014, 11, 153-162.	3.8	535
38	Deficiency of Double-Strand DNA Break Repair Does Not Impair Mycobacterium tuberculosis Virulence in Multiple Animal Models of Infection. Infection and Immunity, 2014, 82, 3177-3185.	2.2	17
39	Genome-wide mapping of the distribution of CarD, RNAP ÏƒA, and RNAP Î² on the Mycobacterium smegmatis chromosome using chromatin immunoprecipitation sequencing. Genomics Data, 2014, 2, 110-113.	1.3	14
40	Novel Imidazoline Antimicrobial Scaffold That Inhibits DNA Replication with Activity against Mycobacteria and Drug Resistant Gram-Positive Cocci. ACS Chemical Biology, 2014, 9, 2572-2583.	3.4	17
41	Double-Strand DNA Break Repair in Mycobacteria. Microbiology Spectrum, 2014, 2, .	3.0	18
42	Function of site-2 proteases in bacteria and bacterial pathogens. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2808-2814.	2.6	45
43	A dual role for mycobacterial RecO in RecA-dependent homologous recombination and RecA-independent single-strand annealing. Nucleic Acids Research, 2013, 41, 2284-2295.	14.5	34
44	Site-2 protease substrate specificity and coupling in trans by a PDZ-substrate adapter protein. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19543-19548.	7.1	12
45	Structure and function of CarD, an essential mycobacterial transcription factor. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12619-12624.	7.1	84
46	M.tuberculosis Mutants Lacking Oxygenated Mycolates Show Increased Immunogenicity and Protective Efficacy as Compared to M. bovis BCG Vaccine in an Experimental Mouse Model. PLoS ONE, 2013, 8, e76442.	2.5	5
47	Essential yet limited role for CCR2+ inflammatory monocytes during Mycobacterium tuberculosis-specific T cell priming. ELife, 2013, 2, e01086.	6.0	120
48	Mycobacterium tuberculosis Lacking All Mycolic Acid Cyclopropanation Is Viable but Highly Attenuated and Hyperinflammatory in Mice. Infection and Immunity, 2012, 80, 1958-1968.	2.2	74
49	Characterization of <i>Mycobacterium smegmatis</i> PolD2 and PolD1 as RNA/DNA Polymerases Homologous to the POL Domain of Bacterial DNA Ligase D. Biochemistry, 2012, 51, 10147-10158.	2.5	22
50	Interaction of CarD with RNA Polymerase Mediates Mycobacterium tuberculosis Viability, Rifampin Resistance, and Pathogenesis. Journal of Bacteriology, 2012, 194, 5621-5631.	2.2	59
51	Converting Cancer Therapies into Cures: Lessons from Infectious Diseases. Cell, 2012, 148, 1089-1098.	28.9	159
52	An improved counterselectable marker system for mycobacterial recombination using galK and 2-deoxy-galactose. Gene, 2011, 470, 31-36.	2.2	46
53	Catalytic and Non-Catalytic Roles for the Mono-ADP-Ribosyltransferase Arr in the Mycobacterial DNA Damage Response. PLoS ONE, 2011, 6, e21807.	2.5	15
54	Mycobacteria exploit three genetically distinct DNA doubleâ€strand break repair pathways. Molecular Microbiology, 2011, 79, 316-330.	2.5	96

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55	CarD. Transcription, 2011, 2, 15-18.	3.1	14
56	A Gamma Interferon Independent Mechanism of CD4 T Cell Mediated Control of M. tuberculosis Infection in vivo. PLoS Pathogens, 2011, 7, e1002052.	4.7	183
57	Is Mycobacterium tuberculosis stressed out? A critical assessment of the genetic evidence. Microbes and Infection, 2010, 12, 1091-1101.	1.9	60
58	<i>M. tuberculosis</i> intramembrane protease Rip1 controls transcription through three antiâ€sigma factor substrates. Molecular Microbiology, 2010, 77, 605-617.	2.5	56
59	Redundant Function of<i>cmaA2</i>and<i>mmaA2</i>in<i>Mycobacterium tuberculosis cis</i>Cyclopropanation of Oxygenated Mycolates. Journal of Bacteriology, 2010, 192, 3661-3668.	2.2	48
60	AdnAB: a new DSB-resecting motorâ€“nuclease from mycobacteria. Genes and Development, 2009, 23, 1423-1437.	5.9	82
61	Mycolic Acid Cyclopropanation is Essential for Viability, Drug Resistance, and Cell Wall Integrity of Mycobacterium tuberculosis. Chemistry and Biology, 2009, 16, 499-509.	6.0	102
62	CarD Is an Essential Regulator of rRNA Transcription Required for Mycobacterium tuberculosis Persistence. Cell, 2009, 138, 146-159.	28.9	197
63	Delayed protection by ESAT-6â€“specific effector CD4+ T cells after airborne <i>M. tuberculosis</i> infection. Journal of Experimental Medicine, 2008, 205, 2359-2368.	8.5	172
64	Domain Requirements for DNA Unwinding by Mycobacterial UvrD2, an Essential DNA Helicase. Biochemistry, 2008, 47, 9355-9364.	2.5	46
65	The pathways and outcomes of mycobacterial NHEJ depend on the structure of the broken DNA ends. Genes and Development, 2008, 22, 512-527.	5.9	102
66	Mycobacterial Nonhomologous End Joining Mediates Mutagenic Repair of Chromosomal Double-Strand DNA Breaks. Journal of Bacteriology, 2007, 189, 5237-5246.	2.2	84
67	Mycobacterial UvrD1 Is a Ku-dependent DNA Helicase That Plays a Role in Multiple DNA Repair Events, Including Double-strand Break Repair. Journal of Biological Chemistry, 2007, 282, 15114-15125.	3.4	66
68	Bacterial DNA repair by non-homologous end joining. Nature Reviews Microbiology, 2007, 5, 852-861.	28.6	245
69	Site-2 proteases in prokaryotes: regulated intramembrane proteolysis expands to microbial pathogenesis. Microbes and Infection, 2006, 8, 1882-1888.	1.9	50
70	Atomic structure and nonhomologous end-joining function of the polymerase component of bacterial DNA ligase D. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1711-1716.	7.1	62
71	Crystal Structure and Nonhomologous End-joining Function of the Ligase Component of Mycobacterium DNA Ligase D. Journal of Biological Chemistry, 2006, 281, 13412-13423.	3.4	61
72	Trans-cyclopropanation of mycolic acids on trehalose dimycolate suppresses Mycobacterium tuberculosis-induced inflammation and virulence. Journal of Clinical Investigation, 2006, 116, 1660-1667.	8.2	171

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73	Mechanism of nonhomologous end-joining in mycobacteria: a low-fidelity repair system driven by Ku, ligase D and ligase C. Nature Structural and Molecular Biology, 2005, 12, 304-312.	8.2	190
74	Regulation of Mycobacterium tuberculosis cell envelope composition and virulence by intramembrane proteolysis. Nature, 2005, 436, 406-409.	27.8	108
75	Mycobacterium tuberculosis controls host innate immune activation through cyclopropane modification of a glycolipid effector molecule. Journal of Experimental Medicine, 2005, 201, 535-543.	8.5	218
76	Efficient Allelic Exchange and Transposon Mutagenesis in Mycobacterium avium by Specialized Transduction. Applied and Environmental Microbiology, 2003, 69, 5039-5044.	3.1	19
77	The mmaA2 Gene of Mycobacterium tuberculosis Encodes the Distal Cyclopropane Synthase of the Î±-Mycolic Acid. Journal of Biological Chemistry, 2003, 278, 7844-7849.	3.4	77
78	Crystal Structures of Mycolic Acid Cyclopropane Synthases from Mycobacterium tuberculosis. Journal of Biological Chemistry, 2002, 277, 11559-11569.	3.4	175
79	Microbial Pathogenesis of Mycobacterium tuberculosis: Dawn of a Discipline. Cell, 2001, 104, 477-485.	28.9	262
80	The Mycobacterium tuberculosis cmaA2 Gene Encodes a Mycolic Acid trans-Cyclopropane Synthetase. Journal of Biological Chemistry, 2001, 276, 2228-2233.	3.4	128
81	A Novel Mycolic Acid Cyclopropane Synthetase Is Required for Cording, Persistence, and Virulence of Mycobacterium tuberculosis. Molecular Cell, 2000, 5, 717-727.	9.7	599
82	Cording, Cord Factors, and Trehalose Dimycolate. , 0, , 63-73.		14
83	Double-Strand DNA Break Repair in Mycobacteria. , 0, , 657-666.		0