

Adam J Macneil

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

1,520
citations

394390

19
h-index

395678

33
g-index

78
all docs

78
docs citations

78
times ranked

1797
citing authors

#	ARTICLE	IF	CITATIONS
1	Male homosexuality and maternal immune responsivity to the Y-linked protein NLGN4Y. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 302-306.	7.1	159
2	New pathogens, new tricks: emerging, drug-resistant fungal pathogens and future prospects for antifungal therapeutics. Annals of the New York Academy of Sciences, 2019, 1435, 57-78.	3.8	119
3	The emerging role of mass spectrometry-based proteomics in drug discovery. Nature Reviews Drug Discovery, 2022, 21, 637-654.	46.4	110
4	Role of Microbiota in Strengthening Ocular Mucosal Barrier Function Through Secretory IgA. , 2017, 58, 4593.		77
5	Combatting the evolution of antifungal resistance in <i>Cryptococcus neoformans</i> . Molecular Microbiology, 2020, 114, 721-734.	2.5	72
6	Biosynthesis of cannflavins A and B from <i>Cannabis sativa</i> L. Phytochemistry, 2019, 164, 162-171.	2.9	67
7	Rosemary extract reduces Akt/mTOR/p70S6K activation and inhibits proliferation and survival of A549 human lung cancer cells. Biomedicine and Pharmacotherapy, 2016, 83, 725-732.	5.6	50
8	Amplified detection of nucleic acids and proteins using an isothermal proximity CRISPR Cas12a assay. Chemical Science, 2021, 12, 2133-2137.	7.4	47
9	Linking the hemodynamic consequences of adverse childhood experiences to an altered HPA axis and acute stress response. Brain, Behavior, and Immunity, 2021, 93, 254-263.	4.1	46
10	Mass Spectrometry-Based Proteomics of Fungal Pathogenesis, Host-Fungal Interactions, and Antifungal Development. Journal of Fungi (Basel, Switzerland), 2019, 5, 52.	3.5	38
11	Fun(gi)omics: Advanced and Diverse Technologies to Explore Emerging Fungal Pathogens and Define Mechanisms of Antifungal Resistance. MBio, 2020, 11, .	4.1	33
12	Regulator of Calcineurin 1 Suppresses Inflammation during Respiratory Tract Infections. Journal of Immunology, 2013, 190, 5178-5186.	0.8	30
13	Sorting nexin 27 interacts with the Cytohesin associated scaffolding protein (CASP) in lymphocytes. Biochemical and Biophysical Research Communications, 2007, 359, 848-853.	2.1	27
14	MAPK Kinase 3 Specifically Regulates FcγRI-Mediated IL-4 Production by Mast Cells. Journal of Immunology, 2011, 187, 3374-3382.	0.8	27
15	MAPK Kinase 3 Is a Tumor Suppressor with Reduced Copy Number in Breast Cancer. Cancer Research, 2014, 74, 162-172.	0.9	27
16	Quantitative Proteomic Profiling of <i>Cryptococcus neoformans</i> . Current Protocols in Microbiology, 2019, 55, e94.	6.5	27
17	Mast Cell FcγRI-Induced Early Growth Response 2 Regulates CC Chemokine Ligand 1-Dependent CD4+ T Cell Migration. Journal of Immunology, 2013, 190, 4500-4507.	0.8	25
18	GSK3 inhibition with low dose lithium supplementation augments murine muscle fatigue resistance and specific force production. Physiological Reports, 2020, 8, e14517.	1.7	25

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19	Regulator of calcineurin 1 differentially regulates TLR-dependent MyD88 and TRIF signaling pathways. PLoS ONE, 2018, 13, e0197491.	2.5	21
20	Mass Spectrometry-Based Quantitative Proteomics of Murine-Derived Polymorphonuclear Neutrophils. Current Protocols in Immunology, 2019, 126, e87.	3.6	21
21	Post-Translational Modifications Drive Success and Failure of Fungal-Host Interactions. Journal of Fungi (Basel, Switzerland), 2021, 7, 124.	3.5	21
22	Decoding communication patterns of the innate immune system by quantitative proteomics. Journal of Leukocyte Biology, 2019, 106, 1221-1232.	3.3	20
23	Frontline Science: Employing enzymatic treatment options for management of ocular biofilm-based infections. Journal of Leukocyte Biology, 2019, 105, 1099-1110.	3.3	20
24	Comprehensive genetic analysis of adhesin proteins and their role in virulence of <i>Candida albicans</i> . Genetics, 2021, 217, .	2.9	20
25	Stem cell factor induces AP-1-dependent mast cell IL-6 production via MAPK kinase 3 activity. Journal of Leukocyte Biology, 2014, 95, 903-915.	3.3	19
26	Peptidoglycomics reveals compositional changes in peptidoglycan between biofilm- and planktonic-derived <i>Pseudomonas aeruginosa</i> . Journal of Biological Chemistry, 2020, 295, 504-516.	3.4	18
27	Colorimetric Polymerase Chain Reaction Enabled by a Fast Light-Activated Substrate Chromogenic Detection Platform. Analytical Chemistry, 2020, 92, 6456-6461.	6.5	18
28	Tasked with a Challenging Objective: Why Do Neutrophils Fail to Battle <i>Pseudomonas aeruginosa</i> Biofilms. Pathogens, 2019, 8, 283.	2.8	17
29	Iron Limitation in <i>Klebsiella pneumoniae</i> Defines New Roles for Lon Protease in Homeostasis and Degradation by Quantitative Proteomics. Frontiers in Microbiology, 2020, 11, 546.	3.5	17
30	Out of the frying pan and into the fire? Due diligence warranted for ADE in COVID-19. Microbes and Infection, 2020, 22, 405-406.	1.9	17
31	Low-dose lithium feeding increases the SERCA2a-to-phospholamban ratio, improving SERCA function in murine left ventricles. Experimental Physiology, 2020, 105, 666-675.	2.0	17
32	Calcineurin-Rcan1 Interaction Contributes to Stem Cell Factor-Mediated Mast Cell Activation. Journal of Immunology, 2013, 191, 5885-5894.	0.8	16
33	Proteomics of host-bacterial interactions: new insights from dual perspectives. Canadian Journal of Microbiology, 2021, 67, 213-225.	1.7	16
34	Adverse childhood experiences (ACEs) and cardiovascular development from childhood to early adulthood: study protocol of the Niagara Longitudinal Heart Study. BMJ Open, 2019, 9, e030339.	1.9	15
35	Regulator of Calcineurin 1 (Rcan1) Is Required for the Development of Pulmonary Eosinophilia in Allergic Inflammation in Mice. American Journal of Pathology, 2011, 179, 1199-1210.	3.8	13
36	Neurogranin is expressed in mammalian skeletal muscle and inhibits calcineurin signaling and myoblast fusion. American Journal of Physiology - Cell Physiology, 2019, 317, C1025-C1033.	4.6	13

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37	Attenuation of allergen-mediated mast cell activation by rosemary extract (<i>Rosmarinus officinalis</i> L.). <i>Journal of Leukocyte Biology</i> , 2020, 107, 843-857.	3.3	13
38	From Naturally-Sourced Protease Inhibitors to New Treatments for Fungal Infections. <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 1016.	3.5	13
39	TAK1 signaling activity links the mast cell cytokine response and degranulation in allergic inflammation. <i>Journal of Leukocyte Biology</i> , 2020, 107, 649-661.	3.3	12
40	Beyond its Psychiatric Use: The Benefits of Low-dose Lithium Supplementation. <i>Current Neuropharmacology</i> , 2023, 21, 891-910.	2.9	11
41	Label-Free Quantitative Proteomics Distinguishes General and Site-Specific Host Responses to <i>Pseudomonas aeruginosa</i> Infection at the Ocular Surface. <i>Proteomics</i> , 2020, 20, 1900290.	2.2	9
42	Getting a GRASP on CASP: properties and role of the cytohesin-associated scaffolding protein in immunity. <i>Immunology and Cell Biology</i> , 2009, 87, 72-80.	2.3	8
43	Examining the Impacts of CO ₂ Concentration and Genetic Compatibility on Perennial Ryegrass-Epichloa festucae var lolii Interactions. <i>Journal of Fungi</i> (Basel, Switzerland), 2020, 6, 360.	3.5	8
44	Proteomics of <i>Cryptococcus neoformans</i> : From the Lab to the Clinic. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12390.	4.1	8
45	Cross-Kingdom Infection of Macrophages Reveals Pathogen- and Immune-Specific Global Reprogramming and Adaptation. <i>MBio</i> , 0, , .	4.1	8
46	Polarization of endosomal SNX27 in migrating and tumor-engaged Natural Killer cells. <i>Biochemical and Biophysical Research Communications</i> , 2007, 361, 146-150.	2.1	7
47	Inhibition of α 21 integrin induces its association with MT1-MMP and decreases MT1-MMP internalization and cellular invasiveness. <i>Cellular Signalling</i> , 2021, 83, 109984.	3.6	7
48	The calcineurin-NFAT axis contributes to host defense during <i>Pseudomonas aeruginosa</i> lung infection. <i>Journal of Leukocyte Biology</i> , 2017, 102, 1461-1469.	3.3	6
49	Red Rooibos Tea Stimulates Osteoblast Mineralization in a Dose-Dependent Manner. <i>Beverages</i> , 2019, 5, 69.	2.8	6
50	Syntaxin Binding Protein 1 Is Not Required for Allergic Inflammation via IgE-Mediated Mast Cell Activation. <i>PLoS ONE</i> , 2013, 8, e58560.	2.5	6
51	Postexercise serum from humans influences the biological tug of war of APP processing in human neuronal cells. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 322, C614-C623.	4.6	6
52	Gene Duplication in Early Vertebrates Results in Tissue-Specific Subfunctionalized Adaptor Proteins: CASP and GRASP. <i>Journal of Molecular Evolution</i> , 2008, 67, 168-178.	1.8	5
53	Tafazzin Modulates Allergen-Induced Mast Cell Inflammatory Mediator Secretion. <i>ImmunoHorizons</i> , 2021, 5, 182-192.	1.8	5
54	Label-Free Quantitative Proteomics Workflow for Discovery-Driven Host-Pathogen Interactions. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	5

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55	Peptidases: promising antifungal targets of the human fungal pathogen, <i>Cryptococcus neoformans</i> . <i>Facets</i> , 2022, 7, 319-342.	2.4	5
56	Protein tyrosine phosphatase 1B (PTP1B) is dispensable for IgE-mediated cutaneous reaction in vivo. <i>Cellular Immunology</i> , 2016, 306-307, 9-16.	3.0	4
57	Several New Putative Bacterial ADP-Ribosyltransferase Toxins Are Revealed from In Silico Data Mining, Including the Novel Toxin Vorin, Encoded by the Fire Blight Pathogen <i>Erwinia amylovora</i> . <i>Toxins</i> , 2020, 12, 792.	3.4	4
58	The Canadian Fungal Research Network: current challenges and future opportunities. <i>Canadian Journal of Microbiology</i> , 2021, 67, 13-22.	1.7	4
59	A central role for polyprenol reductase in plant dolichol biosynthesis. <i>Plant Science</i> , 2021, 303, 110773.	3.6	4
60	Experimental Evolution of Antifungal Resistance in <i>Cryptococcus neoformans</i> . <i>Current Protocols in Microbiology</i> , 2020, 59, e116.	6.5	4
61	The emerging role of mass spectrometry-based proteomics in molecular pharming practices. <i>Current Opinion in Chemical Biology</i> , 2022, 68, 102133.	6.1	4
62	Black and Green Tea as Well as Specialty Teas Increase Osteoblast Mineralization with Varying Effectiveness. <i>Journal of Medicinal Food</i> , 2020, 24, 866-872.	1.5	3
63	Perfectionistic cognitions, Interleukin-6, and C-Reactive protein: A test of the perfectionism diathesis stress model. <i>Brain, Behavior, & Immunity - Health</i> , 2021, 13, 100211.	2.5	3
64	Serum MMP-3 and its association with central arterial stiffness among young adults is moderated by smoking and BMI. <i>Physiological Reports</i> , 2021, 9, e14920.	1.7	3
65	Label-free quantitative proteomics identifies unique proteomes of clinical isolates of the Liverpool Epidemic Strain of <i>Pseudomonas aeruginosa</i> and laboratory strain PAO1. <i>Proteomics - Clinical Applications</i> , 2021, 15, e2100062.	1.6	3
66	Cytohesin-associated scaffolding protein (CASP) is a substrate for granzyme B and ubiquitination. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 473-478.	2.1	2
67	Pathogenesis of Fungal and Bacterial Microbes. <i>Pathogens</i> , 2020, 9, 602.	2.8	2
68	Quantitative Proteomic Profiling of Murine Ocular Tissue and the Extracellular Environment. <i>Current Protocols in Mouse Biology</i> , 2020, 10, e83.	1.2	2
69	Older Brothers, Sexual Orientation, and a Maternal Immune Reaction to NLGN4Y: Our Response to Rao and Andrade (2019). <i>Journal of Psychosexual Health</i> , 2019, 1, 288-288.	0.6	1
70	Moms in Proteomics: building a supportive and unified community together. <i>Trends in Biochemical Sciences</i> , 2022, 47, 552-555.	7.5	1
71	Zika Virus Replication in a Mast Cell Model is Augmented by Dengue Virus Antibody-Dependent Enhancement and Features a Selective Immune Mediator Secretory Profile. <i>Microbiology Spectrum</i> , 0, , .	3.0	1
72	Profit versus Quality: The Enigma of Scientific Wellness. <i>Journal of Personalized Medicine</i> , 2022, 12, 34.	2.5	0

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73	Systems Biology in Fungal Research. Journal of Fungi (Basel, Switzerland), 2022, 8, 478.	3.5	0