

Adam J Macneil

List of Publications by Year in descending order

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Version: 2024-02-01

73
papers

1,520
citations

394421

19
h-index

395702

33
g-index

78
all docs

78
docs citations

78
times ranked

1797
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond its Psychiatric Use: The Benefits of Low-dose Lithium Supplementation. <i>Current Neuropharmacology</i> , 2023, 21, 891-910.	2.9	11
2	Profit versus Quality: The Enigma of Scientific Wellness. <i>Journal of Personalized Medicine</i> , 2022, 12, 34.	2.5	0
3	Peptidases: promising antifungal targets of the human fungal pathogen, <i>Cryptococcus neoformans</i> . <i>Facets</i> , 2022, 7, 319-342.	2.4	5
4	The emerging role of mass spectrometry-based proteomics in drug discovery. <i>Nature Reviews Drug Discovery</i> , 2022, 21, 637-654.	46.4	110
5	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
6	Moms in Proteomics: building a supportive and unified community together. <i>Trends in Biochemical Sciences</i> , 2022, 47, 552-555.	7.5	1
7	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
8	Systems Biology in Fungal Research. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 478.	3.5	0
9	The Canadian Fungal Research Network: current challenges and future opportunities. <i>Canadian Journal of Microbiology</i> , 2021, 67, 13-22.	1.7	4
10	A central role for polyprenol reductase in plant dolichol biosynthesis. <i>Plant Science</i> , 2021, 303, 110773.	3.6	4
11	Linking the hemodynamic consequences of adverse childhood experiences to an altered HPA axis and acute stress response. <i>Brain, Behavior, and Immunity</i> , 2021, 93, 254-263.	4.1	46
12	Amplified detection of nucleic acids and proteins using an isothermal proximity CRISPR Cas12a assay. <i>Chemical Science</i> , 2021, 12, 2133-2137.	7.4	47
13	Comprehensive genetic analysis of adhesin proteins and their role in virulence of <i>Candida albicans</i> . <i>Genetics</i> , 2021, 217, .	2.9	20
14	Post-Translational Modifications Drive Success and Failure of Fungal-Host Interactions. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 124.	3.5	21
15	Proteomics of host-bacterial interactions: new insights from dual perspectives. <i>Canadian Journal of Microbiology</i> , 2021, 67, 213-225.	1.7	16
16	Tafazzin Modulates Allergen-Induced Mast Cell Inflammatory Mediator Secretion. <i>ImmunoHorizons</i> , 2021, 5, 182-192.	1.8	5
17	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
18	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

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19	Inhibition of α_1 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
20	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
21	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
22	From Naturally-Sourced Protease Inhibitors to New Treatments for Fungal Infections. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 1016.	3.5	13
23	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
24	Peptidoglycomics reveals compositional changes in peptidoglycan between biofilm- and planktonic-derived <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , 2020, 295, 504-516.	3.4	18
25	Fun(gi)omics: Advanced and Diverse Technologies to Explore Emerging Fungal Pathogens and Define Mechanisms of Antifungal Resistance. <i>MBio</i> , 2020, 11, .	4.1	33
26	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
27	GSK3 inhibition with low dose lithium supplementation augments murine muscle fatigue resistance and specific force production. <i>Physiological Reports</i> , 2020, 8, e14517.	1.7	25
28	Combatting the evolution of antifungal resistance in <i>Cryptococcus neoformans</i> . <i>Molecular Microbiology</i> , 2020, 114, 721-734.	2.5	72
29	Pathogenesis of Fungal and Bacterial Microbes. <i>Pathogens</i> , 2020, 9, 602.	2.8	2
30	Examining the Impacts of CO ₂ Concentration and Genetic Compatibility on Perennial Ryegrass-Epichloa festucae var lolii Interactions. <i>Journal of Fungi (Basel, Switzerland)</i> , 2020, 6, 360.	3.5	8
31	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
32	Iron Limitation in <i>Klebsiella pneumoniae</i> Defines New Roles for Lon Protease in Homeostasis and Degradation by Quantitative Proteomics. <i>Frontiers in Microbiology</i> , 2020, 11, 546.	3.5	17
33	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
34	Out of the frying pan and into the fire? Due diligence warranted for ADE in COVID-19. <i>Microbes and Infection</i> , 2020, 22, 405-406.	1.9	17
35	Low-dose lithium feeding increases the SERCA2a-to-phospholamban ratio, improving SERCA function in murine left ventricles. <i>Experimental Physiology</i> , 2020, 105, 666-675.	2.0	17
36	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

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37	Colorimetric Polymerase Chain Reaction Enabled by a Fast Light-Activated Substrate Chromogenic Detection Platform. <i>Analytical Chemistry</i> , 2020, 92, 6456-6461.	6.5	18
38	Quantitative Proteomic Profiling of Murine Ocular Tissue and the Extracellular Environment. <i>Current Protocols in Mouse Biology</i> , 2020, 10, e83.	1.2	2
39	Label-Free Quantitative Proteomics Workflow for Discovery-Driven Host-Pathogen Interactions. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	5
40	Experimental Evolution of Antifungal Resistance in <i>Cryptococcus neoformans</i> . <i>Current Protocols in Microbiology</i> , 2020, 59, e116.	6.5	4
41	New pathogens, new tricks: emerging, drug-resistant fungal pathogens and future prospects for antifungal therapeutics. <i>Annals of the New York Academy of Sciences</i> , 2019, 1435, 57-78.	3.8	119
42	Decoding communication patterns of the innate immune system by quantitative proteomics. <i>Journal of Leukocyte Biology</i> , 2019, 106, 1221-1232.	3.3	20
43	Mass Spectrometry-Based Quantitative Proteomics of Murine-Derived Polymorphonuclear Neutrophils. <i>Current Protocols in Immunology</i> , 2019, 126, e87.	3.6	21
44	Neurogranin is expressed in mammalian skeletal muscle and inhibits calcineurin signaling and myoblast fusion. <i>American Journal of Physiology - Cell Physiology</i> , 2019, 317, C1025-C1033.	4.6	13
45	Frontline Science: Employing enzymatic treatment options for management of ocular biofilm-based infections. <i>Journal of Leukocyte Biology</i> , 2019, 105, 1099-1110.	3.3	20
46	Mass Spectrometry-Based Proteomics of Fungal Pathogenesis, Host-Fungal Interactions, and Antifungal Development. <i>Journal of Fungi (Basel, Switzerland)</i> , 2019, 5, 52.	3.5	38
47	Biosynthesis of cannflavins A and B from <i>Cannabis sativa</i> L. <i>Phytochemistry</i> , 2019, 164, 162-171.	2.9	67
48	Red Rooibos Tea Stimulates Osteoblast Mineralization in a Dose-Dependent Manner. <i>Beverages</i> , 2019, 5, 69.	2.8	6
49	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
50	Adverse childhood experiences (ACEs) and cardiovascular development from childhood to early adulthood: study protocol of the Niagara Longitudinal Heart Study. <i>BMJ Open</i> , 2019, 9, e030339.	1.9	15
51	Tasked with a Challenging Objective: Why Do Neutrophils Fail to Battle <i>Pseudomonas aeruginosa</i> Biofilms. <i>Pathogens</i> , 2019, 8, 283.	2.8	17
52	Quantitative Proteomic Profiling of <i>Cryptococcus neoformans</i> . <i>Current Protocols in Microbiology</i> , 2019, 55, e94.	6.5	27
53	Male homosexuality and maternal immune responsivity to the Y-linked protein NLGN4Y. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 302-306.	7.1	159
54	Regulator of calcineurin 1 differentially regulates TLR-dependent MyD88 and TRIF signaling pathways. <i>PLoS ONE</i> , 2018, 13, e0197491.	2.5	21

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55	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
56	Role of Microbiota in Strengthening Ocular Mucosal Barrier Function Through Secretory IgA. , 2017, 58, 4593.		77
57	Rosemary extract reduces Akt/mTOR/p70S6K activation and inhibits proliferation and survival of A549 human lung cancer cells. <i>Biomedicine and Pharmacotherapy</i> , 2016, 83, 725-732.	5.6	50
58	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
59	Stem cell factor induces AP-1-dependent mast cell IL-6 production via MAPK kinase 3 activity. <i>Journal of Leukocyte Biology</i> , 2014, 95, 903-915.	3.3	19
60	MAPK Kinase 3 Is a Tumor Suppressor with Reduced Copy Number in Breast Cancer. <i>Cancer Research</i> , 2014, 74, 162-172.	0.9	27
61	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
62	Calcineurin-Rcan1 Interaction Contributes to Stem Cell Factor-Mediated Mast Cell Activation. <i>Journal of Immunology</i> , 2013, 191, 5885-5894.	0.8	16
63	Mast Cell FcγRI-Induced Early Growth Response 2 Regulates CC Chemokine Ligand 1-Dependent CD4+ T Cell Migration. <i>Journal of Immunology</i> , 2013, 190, 4500-4507.	0.8	25
64	Regulator of Calcineurin 1 Suppresses Inflammation during Respiratory Tract Infections. <i>Journal of Immunology</i> , 2013, 190, 5178-5186.	0.8	30
65	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
66	Regulator of Calcineurin 1 (Rcan1) Is Required for the Development of Pulmonary Eosinophilia in Allergic Inflammation in Mice. <i>American Journal of Pathology</i> , 2011, 179, 1199-1210.	3.8	13
67	MAPK Kinase 3 Specifically Regulates FcγRI-Mediated IL-4 Production by Mast Cells. <i>Journal of Immunology</i> , 2011, 187, 3374-3382.	0.8	27
68	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
69	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
70	Sorting nexin 27 interacts with the Cytohesin associated scaffolding protein (CASP) in lymphocytes. <i>Biochemical and Biophysical Research Communications</i> , 2007, 359, 848-853.	2.1	27
71	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
72	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

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73	Cross-Kingdom Infection of Macrophages Reveals Pathogen- and Immune-Specific Global Reprogramming and Adaptation. MBio, 0, , .	4.1	8