Adam J Macneil

List of Publications by Year
in descending order

73	1,520	448610 19	445137 33
papers	citations	h-index	g-index

78	78	78	1961
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Beyond its Psychiatric Use: The Benefits of Low-dose Lithium Supplementation. Current Neuropharmacology, 2023, 21, 891-910.	1.4	11
2	Profit versus Quality: The Enigma of Scientific Wellness. Journal of Personalized Medicine, 2022, 12, 34.	1.1	0
3	Peptidases: promising antifungal targets of the human fungal pathogen, Cryptococcus neoformans. Facets, 2022, 7, 319-342.	1.1	5
4	The emerging role of mass spectrometry-based proteomics in drug discovery. Nature Reviews Drug Discovery, 2022, 21, 637-654.	21.5	110
5	Postexercise serum from humans influences the biological tug of war of APP processing in human neuronal cells. American Journal of Physiology - Cell Physiology, 2022, 322, C614-C623.	2.1	6
6	Moms in Proteomics: building a supportive and unified community together. Trends in Biochemical Sciences, 2022, 47, 552-555.	3.7	1
7	The emerging role of mass spectrometry-based proteomics in molecular pharming practices. Current Opinion in Chemical Biology, 2022, 68, 102133.	2.8	4
8	Systems Biology in Fungal Research. Journal of Fungi (Basel, Switzerland), 2022, 8, 478.	1.5	0
9	The Canadian Fungal Research Network: current challenges and future opportunities. Canadian Journal of Microbiology, 2021, 67, 13-22.	0.8	4
10	A central role for polyprenol reductase in plant dolichol biosynthesis. Plant Science, 2021, 303, 110773.	1.7	4
11	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.	2.0	46
12	Amplified detection of nucleic acids and proteins using an isothermal proximity CRISPR Cas12a assay. Chemical Science, 2021, 12, 2133-2137.	3.7	47
13	Comprehensive genetic analysis of adhesin proteins and their role in virulence ofCandida albicans. Genetics, 2021, 217, .	1.2	20
14	Post-Translational Modifications Drive Success and Failure of Fungalâ€“Host Interactions. Journal of Fungi (Basel, Switzerland), 2021, 7, 124.	1.5	21
15	Proteomics of hostâ€“bacterial interactions: new insights from dual perspectives. Canadian Journal of Microbiology, 2021, 67, 213-225.	0.8	16
16	Tafazzin Modulates Allergen-Induced Mast Cell Inflammatory Mediator Secretion. ImmunoHorizons, 2021, 5, 182-192.	0.8	5
17	Perfectionistic cognitions, Interleukin-6, and C-Reactive protein: A test of the perfectionism diathesis stress model. Brain, Behavior, & Immunity - Health, 2021, 13, 100211.	1.3	3
18	Serum MMPâ€3 and its association with central arterial stiffness among young adults is moderated by smoking and BMI. Physiological Reports, 2021, 9, e14920.	0.7	3

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19	Inhibition of Î²1 integrin induces its association with MT1-MMP and decreases MT1-MMP internalization and cellular invasiveness. Cellular Signalling, 2021, 83, 109984.	1.7	7
20	Labelâ€free quantitative proteomics identifies unique proteomes of clinical isolates of the Liverpool Epidemic Strain of Pseudomonas aeruginosa and laboratory strain PAO1. Proteomics - Clinical Applications, 2021, 15, e2100062.	0.8	3
21	Proteomics of Cryptococcus neoformans: From the Lab to the Clinic. International Journal of Molecular Sciences, 2021, 22, 12390.	1.8	8
22	From Naturally-Sourced Protease Inhibitors to New Treatments for Fungal Infections. Journal of Fungi (Basel, Switzerland), 2021, 7, 1016.	1.5	13
23	Labelâ€Free Quantitative Proteomics Distinguishes General and Siteâ€Specific Host Responses to Pseudomonas aeruginosa Infection at the Ocular Surface. Proteomics, 2020, 20, 1900290.	1.3	9
24	Peptidoglycomics reveals compositional changes in peptidoglycan between biofilm- and planktonic-derived Pseudomonas aeruginosa. Journal of Biological Chemistry, 2020, 295, 504-516.	1.6	18
25	Fun(gi)omics: Advanced and Diverse Technologies to Explore Emerging Fungal Pathogens and Define Mechanisms of Antifungal Resistance. MBio, 2020, 11, .	1.8	33
26	Black and Green Tea as Well as Specialty Teas Increase Osteoblast Mineralization with Varying Effectiveness. Journal of Medicinal Food, 2020, 24, 866-872.	0.8	3
27	GSK3 inhibition with low dose lithium supplementation augments murine muscle fatigue resistance and specific force production. Physiological Reports, 2020, 8, e14517.	0.7	25
28	Combatting the evolution of antifungal resistance in Cryptococcus neoformans. Molecular Microbiology, 2020, 114, 721-734.	1.2	72
29	Pathogenesis of Fungal and Bacterial Microbes. Pathogens, 2020, 9, 602.	1.2	2
30	Examining the Impacts of CO2 Concentration and Genetic Compatibility on Perennial Ryegrassâ€"EpichloÃ« festucae var lolii Interactions. Journal of Fungi (Basel, Switzerland), 2020, 6, 360.	1.5	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 Erwinia amylovora. Toxins, 2020, 12, 792.	1.5	4
32	Iron Limitation in Klebsiella pneumoniae Defines New Roles for Lon Protease in Homeostasis and Degradation by Quantitative Proteomics. Frontiers in Microbiology, 2020, 11, 546.	1.5	17
33	Attenuation of allergenâ€mediated mast cell activation by rosemary extract (Rosmarinus officinalis L.). Journal of Leukocyte Biology, 2020, 107, 843-857.	1.5	13
34	Out of the frying pan and into the fire? Due diligence warranted for ADE in COVID-19. Microbes and Infection, 2020, 22, 405-406.	1.0	17
35	Lowâ€dose lithium feeding increases the SERCA2aâ€toâ€phospholamban ratio, improving SERCA function in murine left ventricles. Experimental Physiology, 2020, 105, 666-675.	0.9	17
36	TAK1 signaling activity links the mast cell cytokine response and degranulation in allergic inflammation. Journal of Leukocyte Biology, 2020, 107, 649-661.	1.5	12

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37	Colorimetric Polymerase Chain Reaction Enabled by a Fast Light-Activated Substrate Chromogenic Detection Platform. Analytical Chemistry, 2020, 92, 6456-6461.	3.2	18
38	Quantitative Proteomic Profiling of Murine Ocular Tissue and the Extracellular Environment. Current Protocols in Mouse Biology, 2020, 10, e83.	1.2	2
39	Label-Free Quantitative Proteomics Workflow for Discovery-Driven Host-Pathogen Interactions. Journal of Visualized Experiments, 2020, , .	0.2	5
40	Experimental Evolution of Antifungal Resistance in Cryptococcus neoformans. Current Protocols in Microbiology, 2020, 59, e116.	6.5	4
41	New pathogens, new tricks: emerging, drugâ€resistant fungal pathogens and future prospects for antifungal therapeutics. Annals of the New York Academy of Sciences, 2019, 1435, 57-78.	1.8	119
42	Decoding communication patterns of the innate immune system by quantitative proteomics. Journal of Leukocyte Biology, 2019, 106, 1221-1232.	1.5	20
43	Mass Spectrometryâ€Based Quantitative Proteomics of Murineâ€Derived Polymorphonuclear Neutrophils. Current Protocols in Immunology, 2019, 126, e87.	3.6	21
44	Neurogranin is expressed in mammalian skeletal muscle and inhibits calcineurin signaling and myoblast fusion. American Journal of Physiology - Cell Physiology, 2019, 317, C1025-C1033.	2.1	13
45	Frontline Science: Employing enzymatic treatment options for management of ocular biofilmâ€based infections. Journal of Leukocyte Biology, 2019, 105, 1099-1110.	1.5	20
46	Mass Spectrometry-Based Proteomics of Fungal Pathogenesis, Hostâ€“Fungal Interactions, and Antifungal Development. Journal of Fungi (Basel, Switzerland), 2019, 5, 52.	1.5	38
47	Biosynthesis of cannflavins A and B from Cannabis sativa L. Phytochemistry, 2019, 164, 162-171.	1.4	67
48	Red Rooibos Tea Stimulates Osteoblast Mineralization in a Dose-Dependent Manner. Beverages, 2019, 5, 69.	1.3	6
49	Older Brothers, Sexual Orientation, and a Maternal Immune Reaction to NLGN4Y: Our Response to Rao and Andrade (2019). Journal of Psychosexual Health, 2019, 1, 288-288.	0.2	1
50	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.	0.8	15
51	Tasked with a Challenging Objective: Why Do Neutrophils Fail to Battle Pseudomonas aeruginosa Biofilms. Pathogens, 2019, 8, 283.	1.2	17
52	Quantitative Proteomic Profiling of Cryptococcus neoformans. Current Protocols in Microbiology, 2019, 55, e94.	6.5	27
53	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.	3.3	159
54	Regulator of calcineurin 1 differentially regulates TLR-dependent MyD88 and TRIF signaling pathways. PLoS ONE, 2018, 13, e0197491.	1.1	21

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55	The calcineurin-NFAT axis contributes to host defense during Pseudomonas aeruginosa lung infection. Journal of Leukocyte Biology, 2017, 102, 1461-1469.	1.5	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. Biomedicine and Pharmacotherapy, 2016, 83, 725-732.	2.5	50
58	Protein tyrosine phosphatase 1B (PTP1B) is dispensable for IgE-mediated cutaneous reaction in vivo. Cellular Immunology, 2016, 306-307, 9-16.	1.4	4
59	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.	1.5	19
60	MAPK Kinase 3 Is a Tumor Suppressor with Reduced Copy Number in Breast Cancer. Cancer Research, 2014, 74, 162-172.	0.4	27
61	Cytohesin-associated scaffolding protein (CASP) is a substrate for granzyme B and ubiquitination. Biochemical and Biophysical Research Communications, 2014, 452, 473-478.	1.0	2
62	Calcineurinâ€“Rcan1 Interaction Contributes to Stem Cell Factorâ€“Mediated Mast Cell Activation. Journal of Immunology, 2013, 191, 5885-5894.	0.4	16
63	Mast Cell FcÎµRI-Induced Early Growth Response 2 Regulates CC Chemokine Ligand 1â€“Dependent CD4+ T Cell Migration. Journal of Immunology, 2013, 190, 4500-4507.	0.4	25
64	Regulator of Calcineurin 1 Suppresses Inflammation during Respiratory Tract Infections. Journal of Immunology, 2013, 190, 5178-5186.	0.4	30
65	Syntaxin Binding Protein 1 Is Not Required for Allergic Inflammation via IgE-Mediated Mast Cell Activation. PLoS ONE, 2013, 8, e58560.	1.1	6
66	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.	1.9	13
67	MAPK Kinase 3 Specifically Regulates FcÎµRI-Mediated IL-4 Production by Mast Cells. Journal of Immunology, 2011, 187, 3374-3382.	0.4	27
68	Getting a GRASP on CASP: properties and role of the cytohesinâ€associated scaffolding protein in immunity. Immunology and Cell Biology, 2009, 87, 72-80.	1.0	8
69	Gene Duplication in Early Vertebrates Results in Tissue-Specific Subfunctionalized Adaptor Proteins: CASP and GRASP. Journal of Molecular Evolution, 2008, 67, 168-178.	0.8	5
70	Sorting nexin 27 interacts with the Cytohesin associated scaffolding protein (CASP) in lymphocytes. Biochemical and Biophysical Research Communications, 2007, 359, 848-853.	1.0	27
71	Polarization of endosomal SNX27 in migrating and tumor-engaged Natural Killer cells. Biochemical and Biophysical Research Communications, 2007, 361, 146-150.	1.0	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. Microbiology Spectrum, 0, , .	1.2	1

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73	Cross-Kingdom Infection of Macrophages Reveals Pathogen- and Immune-Specific Global Reprogramming and Adaptation. MBio, 0, , .	1.8	8