

Jason P Mulvenna

List of Publications by Year in descending order

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92
papers

5,185
citations

94433

37
h-index

91884

69
g-index

97
all docs

97
docs citations

97
times ranked

5424
citing authors

#	ARTICLE	IF	CITATIONS
1	The tumorigenic liver fluke <i>Opisthorchis viverrini</i> – multiple pathways to cancer. <i>Trends in Parasitology</i> , 2012, 28, 395-407.	3.3	376
2	Opisthorchiasis and Opisthorchis-associated cholangiocarcinoma in Thailand and Laos. <i>Acta Tropica</i> , 2011, 120, S158-S168.	2.0	262
3	Helminth Immunomodulation in Autoimmune Disease. <i>Frontiers in Immunology</i> , 2017, 8, 453.	4.8	182
4	Discovery, Structure and Biological Activities of the Cyclotides. <i>Current Protein and Peptide Science</i> , 2004, 5, 297-315.	1.4	167
5	Proteomics Analysis of the Excretory/Secretory Component of the Blood-feeding Stage of the Hookworm, <i>Ancylostoma caninum</i> . <i>Molecular and Cellular Proteomics</i> , 2009, 8, 109-121.	3.8	167
6	Genome of the human hookworm <i>Necator americanus</i> . <i>Nature Genetics</i> , 2014, 46, 261-269.	21.4	166
7	A Granulin-Like Growth Factor Secreted by the Carcinogenic Liver Fluke, <i>Opisthorchis viverrini</i> , Promotes Proliferation of Host Cells. <i>PLoS Pathogens</i> , 2009, 5, e1000611.	4.7	162
8	Generalized urticaria induced by the Na-ASP-2 hookworm vaccine: Implications for the development of vaccines against helminths. <i>Journal of Allergy and Clinical Immunology</i> , 2012, 130, 169-176.e6.	2.9	151
9	Extracellular vesicles secreted by <i>Schistosoma mansoni</i> contain protein vaccine candidates. <i>International Journal for Parasitology</i> , 2016, 46, 1-5.	3.1	147
10	Carcinogenic Liver Fluke Secretes Extracellular Vesicles That Promote Cholangiocytes to Adopt a Tumorigenic Phenotype. <i>Journal of Infectious Diseases</i> , 2015, 212, 1636-1645.	4.0	141
11	CyBase: a database of cyclic protein sequence and structure. <i>Nucleic Acids Research</i> , 2006, 34, D192-D194.	14.5	137
12	The secreted and surface proteomes of the adult stage of the carcinogenic human liver fluke <i>Opisthorchis viverrini</i> . <i>Proteomics</i> , 2010, 10, 1063-1078.	2.2	135
13	Exposed proteins of the <i>Schistosoma japonicum</i> tegument. <i>International Journal for Parasitology</i> , 2010, 40, 543-554.	3.1	130
14	Infection with the carcinogenic liver fluke <i>Opisthorchis viverrini</i> modifies intestinal and biliary microbiome. <i>FASEB Journal</i> , 2013, 27, 4572-4584.	0.5	116
15	A quantitative proteomic analysis of the tegumental proteins from <i>Schistosoma mansoni</i> schistosomula reveals novel potential therapeutic targets. <i>International Journal for Parasitology</i> , 2015, 45, 505-516.	3.1	103
16	Transcriptome and venom proteome of the box jellyfish <i>Chironex fleckeri</i> . <i>BMC Genomics</i> , 2015, 16, 407.	2.8	103
17	Elevated Plasma IL-6 Associates with Increased Risk of Advanced Fibrosis and Cholangiocarcinoma in Individuals Infected by <i>Opisthorchis viverrini</i> . <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1654.	3.0	96
18	Gene discovery for the carcinogenic human liver fluke, <i>Opisthorchis viverrini</i> . <i>BMC Genomics</i> , 2007, 8, 189.	2.8	90

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19	Proteomic characterisation of Echinococcus granulosus hydatid cyst fluid from sheep, cattle and humans. <i>Journal of Proteomics</i> , 2011, 74, 1560-1572.	2.4	88
20	Secreted Proteomes of Different Developmental Stages of the Gastrointestinal Nematode <i>Nippostrongylus brasiliensis</i> . <i>Molecular and Cellular Proteomics</i> , 2014, 13, 2736-2751.	3.8	88
21	An enzymatically inactivated hemoglobinase from <i>Necator americanus</i> induces neutralizing antibodies against multiple hookworm species and protects dogs against heterologous hookworm infection. <i>FASEB Journal</i> , 2009, 23, 3007-3019.	0.5	83
22	Semienzymatic Cyclization of Disulfide-rich Peptides Using Sortase A. <i>Journal of Biological Chemistry</i> , 2014, 289, 6627-6638.	3.4	83
23	Processing of a 22 kDa Precursor Protein to Produce the Circular Protein Tricyclon A. <i>Structure</i> , 2005, 13, 691-701.	3.3	78
24	Carcinogenic Parasite Secretes Growth Factor That Accelerates Wound Healing and Potentially Promotes Neoplasia. <i>PLoS Pathogens</i> , 2015, 11, e1005209.	4.7	78
25	Cloning and Characterisation of <i>Schistosoma japonicum</i> Insulin Receptors. <i>PLoS ONE</i> , 2010, 5, e9868.	2.5	76
26	<i>Chironex fleckeri</i> (Box Jellyfish) Venom Proteins. <i>Journal of Biological Chemistry</i> , 2014, 289, 4798-4812.	3.4	72
27	Discovery of Cyclotide-Like Protein Sequences in Gramineous Crop Plants: Ancestral Precursors of Circular Proteins?. <i>Plant Cell</i> , 2006, 18, 2134-2144.	6.6	70
28	Tissue Specific Profiling of Females of <i>Schistosoma japonicum</i> by Integrated Laser Microdissection Microscopy and Microarray Analysis. <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e469.	3.0	70
29	Transcriptional Changes in <i>Schistosoma mansoni</i> during Early Schistosomula Development and in the Presence of Erythrocytes. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e600.	3.0	70
30	Tentacle Transcriptome and Venom Proteome of the Pacific Sea Nettle, <i>Chrysaora fuscescens</i> (Cnidaria: Scyphozoa). <i>Toxins</i> , 2016, 8, 102.	3.4	70
31	Infection with the carcinogenic human liver fluke, <i>Opisthorchis viverrini</i> . <i>Molecular BioSystems</i> , 2011, 7, 1367.	2.9	60
32	Venom Proteome of the Box Jellyfish <i>Chironex fleckeri</i> . <i>PLoS ONE</i> , 2012, 7, e47866.	2.5	57
33	Neutralizing Antibodies to the Hookworm Hemoglobinase <i>NcHb1</i> : Implications for a Multivalent Vaccine against Hookworm Infection and Schistosomiasis. <i>Journal of Infectious Diseases</i> , 2010, 201, 1561-1569.	4.0	53
34	Identification of a Novel, EBV-Based Antibody Risk Stratification Signature for Early Detection of Nasopharyngeal Carcinoma in Taiwan. <i>Clinical Cancer Research</i> , 2018, 24, 1305-1314.	7.0	52
35	A family of cathepsin B cysteine proteases expressed in the gut of the human hookworm, <i>Necator americanus</i> . <i>Molecular and Biochemical Parasitology</i> , 2008, 160, 90-99.	1.1	50
36	Evolution of resistance to chytridiomycosis is associated with a robust early immune response. <i>Molecular Ecology</i> , 2018, 27, 919-934.	3.9	50

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37	Vaccinomics for the Major Blood Feeding Helminths of Humans. <i>OMICS A Journal of Integrative Biology</i> , 2011, 15, 567-577.	2.0	48
38	A modified FASP protocol for high-throughput preparation of protein samples for mass spectrometry. <i>PLoS ONE</i> , 2017, 12, e0175967.	2.5	44
39	Up-regulation of annexin A2 in cholangiocarcinoma caused by <i>Opisthorchis viverrini</i> and its implication as a prognostic marker. <i>International Journal for Parasitology</i> , 2010, 40, 1203-1212.	3.1	37
40	Distinct miRNA signatures associate with subtypes of cholangiocarcinoma from infection with the tumourigenic liver fluke <i>Opisthorchis viverrini</i> . <i>Journal of Hepatology</i> , 2014, 61, 850-858.	3.7	37
41	A Deep Exploration of the Transcriptome and Excretory/Secretory Proteome of Adult <i>Fascioloides magna</i> . <i>Molecular and Cellular Proteomics</i> , 2012, 11, 1340-1353.	3.8	35
42	Integrated Transcriptomic-Proteomic Analysis Using a Proteogenomic Workflow Refines Rat Genome Annotation. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 329-339.	3.8	35
43	Expression, refolding and purification of Ov-GRN-1, a granulin-like growth factor from the carcinogenic liver fluke, that causes proliferation of mammalian host cells. <i>Protein Expression and Purification</i> , 2011, 79, 263-270.	1.3	34
44	Solution Structure, Membrane Interactions, and Protein Binding Partners of the Tetraspanin Sm-TSP-2, a Vaccine Antigen from the Human Blood Fluke <i>Schistosoma mansoni</i> . <i>Journal of Biological Chemistry</i> , 2014, 289, 7151-7163.	3.4	33
45	Unique molecular profile of exosomes derived from primary human proximal tubular epithelial cells under diseased conditions. <i>Journal of Extracellular Vesicles</i> , 2017, 6, 1314073.	12.2	33
46	Discovery, Structural Determination, and Putative Processing of the Precursor Protein That Produces the Cyclic Trypsin Inhibitor Sunflower Trypsin Inhibitor 1. <i>Journal of Biological Chemistry</i> , 2005, 280, 32245-32253.	3.4	32
47	Methods and matrices: approaches to identifying miRNAs for Nasopharyngeal carcinoma. <i>Journal of Translational Medicine</i> , 2014, 12, 3.	4.4	32
48	A microRNA profile associated with <i>Opisthorchis viverrini</i> -induced cholangiocarcinoma in tissue and plasma. <i>BMC Cancer</i> , 2015, 15, 309.	2.6	32
49	Ov-APR-1, an aspartic protease from the carcinogenic liver fluke, <i>Opisthorchis viverrini</i> : Functional expression, immunolocalization and subsite specificity. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 1148-1156.	2.8	30
50	Qualitative and quantitative proteomic analyses of <i>Schistosoma japonicum</i> eggs and egg-derived secretory-excretory proteins. <i>Parasites and Vectors</i> , 2019, 12, 173.	2.5	29
51	Genomic-Bioinformatic Analysis of Transcripts Enriched in the Third-Stage Larva of the Parasitic Nematode <i>Ascaris suum</i> . <i>PLoS Neglected Tropical Diseases</i> , 2008, 2, e246.	3.0	27
52	Prognostic significance of peroxiredoxin 1 and ezrin-radixin-moesin-binding phosphoprotein 50 in cholangiocarcinoma. <i>Human Pathology</i> , 2012, 43, 1719-1730.	2.0	27
53	Exploiting Helminth-Host Interactomes through Big Data. <i>Trends in Parasitology</i> , 2017, 33, 875-888.	3.3	27
54	Anthelmintic activity of the cyclotides (kalata B1 and B2) against schistosome parasites. <i>Biopolymers</i> , 2013, 100, 461-470.	2.4	26

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55	Microproteinuria during <i>Opisthorchis viverrini</i> Infection: A Biomarker for Advanced Renal and Hepatobiliary Pathologies from Chronic Opisthorchiasis. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2228.	3.0	25
56	Circumventing qPCR inhibition to amplify miRNAs in plasma. <i>Biomarker Research</i> , 2014, 2, 13.	6.8	25
57	Comprehensive analysis of the secreted proteome of adult <i>Necator americanus</i> hookworms. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008237.	3.0	25
58	Rapid short term and gradual permanent cardiotoxic effects of vertebrate toxins from <i>Chironex fleckeri</i> (Australian box jellyfish) venom. <i>Toxicon</i> , 2014, 80, 17-26.	1.6	24
59	Urine proteomics study reveals potential biomarkers for the differential diagnosis of cholangiocarcinoma and periductal fibrosis. <i>PLoS ONE</i> , 2019, 14, e0221024.	2.5	21
60	Tetraspanin-2 localisation in high pressure frozen and freeze-substituted <i>Schistosoma mansoni</i> adult males reveals its distribution in membranes of tegumentary vesicles. <i>International Journal for Parasitology</i> , 2013, 43, 785-793.	3.1	18
61	Discovery and Qualification of Serum Protein Biomarker Candidates for Cholangiocarcinoma Diagnosis. <i>Journal of Proteome Research</i> , 2019, 18, 3305-3316.	3.7	18
62	Proteomic profile of <i>Bithynia siamensis</i> goniomphalos snails upon infection with the carcinogenic liver fluke <i>Opisthorchis viverrini</i> . <i>Journal of Proteomics</i> , 2015, 113, 281-291.	2.4	17
63	Kunitz type protease inhibitor EgKI-1 from the canine tapeworm <i>Echinococcus granulosus</i> as a promising therapeutic against breast cancer. <i>PLoS ONE</i> , 2018, 13, e0200433.	2.5	17
64	Proteomic and genomic analyses suggest the association of apolipoprotein C1 with abdominal aortic aneurysm. <i>Proteomics - Clinical Applications</i> , 2014, 8, 762-772.	1.6	16
65	A comparative proteomic analysis of bile for biomarkers of cholangiocarcinoma. <i>Tumor Biology</i> , 2017, 39, 101042831770576.	1.8	16
66	Coming out of the Shell: Building the Molecular Infrastructure for Research on Parasite-Harboring Snails. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2284.	3.0	15
67	Proteomic Identification of Plasma Protein Tyrosine Phosphatase Alpha and Fibronectin Associated with Liver Fluke, <i>Opisthorchis viverrini</i> , Infection. <i>PLoS ONE</i> , 2012, 7, e45460.	2.5	15
68	Discovery and structures of the cyclotides: novel macrocyclic peptides from plants. <i>International Journal of Peptide Research and Therapeutics</i> , 2001, 8, 119-128.	0.1	14
69	Insights into the Membrane Interactions of the Saposin-Like Proteins Na-SLP-1 and Ac-SLP-1 from Human and Dog Hookworm. <i>PLoS ONE</i> , 2011, 6, e25369.	2.5	14
70	Profiling miRNAs in nasopharyngeal carcinoma FFPE tissue by microarray and Next Generation Sequencing. <i>Genomics Data</i> , 2014, 2, 285-289.	1.3	13
71	Patterns of Interindividual Variability in the Antibody Repertoire Targeting Proteins Across the Epstein-Barr Virus Proteome. <i>Journal of Infectious Diseases</i> , 2018, 217, 1923-1931.	4.0	13
72	Mollusk microbiota shift during <i>Angiostrongylus cantonensis</i> infection in the freshwater snail <i>Biomphalaria glabrata</i> and the terrestrial slug <i>Philolcaulis soleiformis</i> . <i>Parasitology Research</i> , 2020, 119, 2495-2503.	1.6	12

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73	Levels of 8-OxodG Predict Hepatobiliary Pathology in <i>Opisthorchis viverrini</i> Endemic Settings in Thailand. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003949.	3.0	12
74	Differential Protein Expression in the Hemolymph of <i>Bithynia siamensis goniomphalos</i> Infected with <i>Opisthorchis viverrini</i> . <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0005104.	3.0	12
75	Exploring transcriptional conservation between <i>Ancylostoma caninum</i> and <i>Haemonchus contortus</i> by oligonucleotide microarray and bioinformatic analyses. <i>Molecular and Cellular Probes</i> , 2009, 23, 1-9.	2.1	11
76	A primary human T-cell spectral library to facilitate large scale quantitative T-cell proteomics. <i>Scientific Data</i> , 2020, 7, 412.	5.3	11
77	Clinicopathological Significance of Osteopontin in Cholangiocarcinoma Cases. <i>Asian Pacific Journal of Cancer Prevention</i> , 2016, 17, 201-205.	1.2	11
78	Molecular and phylogenetic characterization of cytochromes c from <i>Haemonchus contortus</i> and <i>Trichostrongylus vitrinus</i> (Nematoda: Trichostrongylida). <i>Gene</i> , 2008, 424, 121-129.	2.2	10
79	Lysosome-associated membrane glycoprotein (LAMP) – preliminary study on a hidden antigen target for vaccination against schistosomiasis. <i>Scientific Reports</i> , 2015, 5, 15069.	3.3	10
80	Discovery and structures of the cyclotides: novel macrocyclic peptides from plants. <i>International Journal of Peptide Research and Therapeutics</i> , 2001, 8, 119-128.	0.1	9
81	Differential Protein Expression Marks the Transition From Infection With <i>Opisthorchis viverrini</i> to Cholangiocarcinoma. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 911-923.	3.8	9
82	Survival, gene and metabolite responses of <i>Litoria verreauxii alpina</i> frogs to fungal disease chytridiomycosis. <i>Scientific Data</i> , 2018, 5, 180033.	5.3	9
83	Discovering proteins for chemoprevention and chemotherapy by curcumin in liver fluke infection-induced bile duct cancer. <i>PLoS ONE</i> , 2018, 13, e0207405.	2.5	9
84	Changes in protein expression after treatment with <i>Ancylostoma caninum</i> excretory/secretory products in a mouse model of colitis. <i>Scientific Reports</i> , 2017, 7, 41883.	3.3	8
85	Banking on the future: Biobanking for –omics approaches to biomarker discovery for <i>Opisthorchis</i> -induced cholangiocarcinoma in Thailand. <i>Parasitology International</i> , 2012, 61, 173-177.	1.3	7
86	ERK and mTORC1 Inhibitors Enhance the Anti-Cancer Capacity of the Octpep-1 Venom-Derived Peptide in Melanoma BRAF(V600E) Mutations. <i>Toxins</i> , 2021, 13, 146.	3.4	7
87	Bioclojure: a functional library for the manipulation of biological sequences. <i>Bioinformatics</i> , 2014, 30, 2537-2539.	4.1	6
88	Data set from the proteomic analysis of <i>Bithynia siamensis goniomphalos</i> snails upon infection with the carcinogenic liver fluke <i>Opisthorchis viverrini</i> . <i>Data in Brief</i> , 2015, 2, 16-20.	1.0	6
89	Proteomic identification of the contents of small extracellular vesicles from in vivo <i>Plasmodium yoelii</i> infection. <i>International Journal for Parasitology</i> , 2022, 52, 35-45.	3.1	6
90	The miRNAome of <i>Opisthorchis viverrini</i> induced intrahepatic cholangiocarcinoma. <i>Genomics Data</i> , 2014, 2, 274-279.	1.3	5

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91	Synthetic hookworm-derived peptides are potent modulators of primary human immune cell function that protect against experimental colitis in vivo. <i>Journal of Biological Chemistry</i> , 2021, 297, 100834.	3.4	5
92	Characterization and binding affinities of SmLANP: A new <i>Schistosoma mansoni</i> member of the ANP32 family of regulatory proteins. <i>Molecular and Biochemical Parasitology</i> , 2009, 165, 95-102.	1.1	1