

# Michael J Smout

## List of Publications by Year in descending order

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54  
papers

2,987  
citations

257450

24  
h-index

168389

53  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2689  
citing authors

#	ARTICLE	IF	CITATIONS
1	Liver Fluke Induces Cholangiocarcinoma. PLoS Medicine, 2007, 4, e201.	8.4	605
2	The tumorigenic liver fluke <i>Opisthorchis viverrini</i> – multiple pathways to cancer. Trends in Parasitology, 2012, 28, 395-407.	3.3	376
3	Antibodies against a secreted protein from hookworm larvae reduce the intensity of hookworm infection in humans and vaccinated laboratory animals. FASEB Journal, 2005, 19, 1743-1745.	0.5	169
4	A Granulin-Like Growth Factor Secreted by the Carcinogenic Liver Fluke, <i>Opisthorchis viverrini</i> , Promotes Proliferation of Host Cells. PLoS Pathogens, 2009, 5, e1000611.	4.7	162
5	Carcinogenic Liver Fluke Secretes Extracellular Vesicles That Promote Cholangiocytes to Adopt a Tumorigenic Phenotype. Journal of Infectious Diseases, 2015, 212, 1636-1645.	4.0	141
6	The secreted and surface proteomes of the adult stage of the carcinogenic human liver fluke <i>Opisthorchis viverrini</i> . Proteomics, 2010, 10, 1063-1078.	2.2	135
7	A Novel High Throughput Assay for Anthelmintic Drug Screening and Resistance Diagnosis by Real-Time Monitoring of Parasite Motility. PLoS Neglected Tropical Diseases, 2010, 4, e885.	3.0	131
8	Gene discovery for the carcinogenic human liver fluke, <i>Opisthorchis viverrini</i> . BMC Genomics, 2007, 8, 189.	2.8	90
9	Carcinogenic Parasite Secretes Growth Factor That Accelerates Wound Healing and Potentially Promotes Neoplasia. PLoS Pathogens, 2015, 11, e1005209.	4.7	78
10	Mission Accomplished? We Need a Guide to the “Post Release” World of Wolbachia for Aedes-borne Disease Control. Trends in Parasitology, 2018, 34, 217-226.	3.3	69
11	Structural characterization of respiratory syncytial virus fusion inhibitor escape mutants: homology model of the F protein and a syncytium formation assay. Virology, 2003, 311, 275-288.	2.4	63
12	Isolation of cDNAs Encoding Secreted and Transmembrane Proteins from <i>Schistosoma mansoni</i> by a Signal Sequence Trap Method. Infection and Immunity, 2003, 71, 2548-2554.	2.2	61
13	Transcriptional Responses of In Vivo Praziquantel Exposure in Schistosomes Identifies a Functional Role for Calcium Signalling Pathway Member CamKII. PLoS Pathogens, 2013, 9, e1003254.	4.7	61
14	Programmed knockout mutation of liver fluke granulin attenuates virulence of infection-induced hepatobiliary morbidity. ELife, 2019, 8, .	6.0	61
15	Infection with the carcinogenic human liver fluke, <i>Opisthorchis viverrini</i> . Molecular BioSystems, 2011, 7, 1367.	2.9	60
16	Compounds Derived from the Bhutanese Daisy, <i>Ajania nubigena</i> , Demonstrate Dual Anthelmintic Activity against <i>Schistosoma mansoni</i> and <i>Trichuris muris</i> . PLoS Neglected Tropical Diseases, 2016, 10, e0004908.	3.0	49
17	Excretory/secretory products of the carcinogenic liver fluke are endocytosed by human cholangiocytes and drive cell proliferation and IL6 production. International Journal for Parasitology, 2015, 45, 773-781.	3.1	42
18	Reverse transcriptase activity and untranslated region sharing of a new RTE-like, non-long terminal repeat retrotransposon from the human blood fluke, <i>Schistosoma japonicum</i> . International Journal for Parasitology, 2002, 32, 1163-1174.	3.1	39

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19	Identification of lead chemotherapeutic agents from medicinal plants against blood flukes and whipworms. <i>Scientific Reports</i> , 2016, 6, 32101.	3.3	38
20	Suppression of mRNAs encoding CD63 family tetraspanins from the carcinogenic liver fluke <i>Opisthorchis viverrini</i> results in distinct tegument phenotypes. <i>Scientific Reports</i> , 2017, 7, 14342.	3.3	36
21	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
22	Viability of developmental stages of <i>Schistosoma mansoni</i> quantified with xCELLigence worm real-time motility assay (xWORM). <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2015, 5, 141-148.	3.4	34
23	Development of a Potent Wound Healing Agent Based on the Liver Fluke Granulin Structural Fold. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4258-4266.	6.4	31
24	<i>Opisthorchis viverrini</i> Proteome and Host-Parasite Interactions. <i>Advances in Parasitology</i> , 2018, 102, 45-72.	3.2	30
25	Suppression of Ov-grn-1 encoding granulin of <i>Opisthorchis viverrini</i> inhibits proliferation of biliary epithelial cells. <i>Experimental Parasitology</i> , 2015, 148, 17-23.	1.2	29
26	Changes in predator exposure, but not in diet, induce phenotypic plasticity in scorpion venom. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171364.	2.6	25
27	Conotoxin $\hat{I}$ from the Superfamily G2 Employs a Novel Cysteine Framework that Mimics Granulin and Displays Anti-Apoptotic Activity. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14973-14976.	13.8	25
28	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
29	Polypyridylruthenium(II) complexes exert anti-schistosome activity and inhibit parasite acetylcholinesterases. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0006134.	3.0	24
30	Auto-induction for high yield expression of recombinant novel isoallergen tropomyosin from King prawn ( <i>Melicertus latisulcatus</i> ) for improved diagnostics and immunotherapeutics. <i>Journal of Immunological Methods</i> , 2014, 415, 6-16.	1.4	19
31	Defined Small Molecules Produced by Himalayan Medicinal Plants Display Immunomodulatory Properties. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3490.	4.1	19
32	Granulin Secreted by the Food-Borne Liver Fluke <i>Opisthorchis viverrini</i> Promotes Angiogenesis in Human Endothelial Cells. <i>Frontiers in Medicine</i> , 2018, 5, 30.	2.6	19
33	Proteomic characterization of the internalization of <i>Opisthorchis viverrini</i> excretory/secretory products in human cells. <i>Parasitology International</i> , 2017, 66, 494-502.	1.3	18
34	Liver fluke granulin promotes extracellular vesicle-mediated crosstalk and cellular microenvironment conducive to cholangiocarcinoma. <i>Neoplasia</i> , 2020, 22, 203-216.	5.3	18
35	Structural Variants of a Liver Fluke Derived Granulin Peptide Potently Stimulate Wound Healing. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 8746-8753.	6.4	17
36	Dose and time dependence of box jellyfish antivenom. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2014, 20, 34.	1.4	15

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37	Reversible paralysis of <i>Schistosoma mansoni</i> by forchlorfenuron, a phenylurea cytokinin that affects septins. <i>International Journal for Parasitology</i> , 2014, 44, 523-531.	3.1	15
38	IPSE, an abundant egg-secreted protein of the carcinogenic helminth <i>Schistosoma haematobium</i> , promotes proliferation of bladder cancer cells and angiogenesis. <i>Infectious Agents and Cancer</i> , 2020, 15, 63.	2.6	15
39	Natural-Product-Based Solutions for Tropical Infectious Diseases. <i>Clinical Microbiology Reviews</i> , 2021, 34, e0034820.	13.6	15
40	Cytometric analysis, genetic manipulation and antibiotic selection of the snail embryonic cell line Bge from <i>Biomphalaria glabrata</i> , the intermediate host of <i>Schistosoma mansoni</i> . <i>International Journal for Parasitology</i> , 2015, 45, 527-535.	3.1	14
41	Orally Administered <i>Bacillus</i> Spores Expressing an Extracellular Vesicle-Derived Tetraspanin Protect Hamsters Against Challenge Infection With Carcinogenic Human Liver Fluke. <i>Journal of Infectious Diseases</i> , 2021, 223, 1445-1455.	4.0	12
42	Heat deactivation of the stonefish <i>Synanceia horrida</i> venom, implications for first-aid management. <i>Diving and Hyperbaric Medicine</i> , 2017, 47, 155-158.	0.5	10
43	Silencing of <i>Opisthorchis viverrini</i> Tetraspanin Gene Expression Results in Reduced Secretion of Extracellular Vesicles. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 827521.	3.9	10
44	Monoclonal Antibodies Targeting an <i>Opisthorchis viverrini</i> Extracellular Vesicle Tetraspanin Protect Hamsters against Challenge Infection. <i>Vaccines</i> , 2021, 9, 740.	4.4	9
45	Developmental Sensitivity in <i>Schistosoma mansoni</i> to Puromycin To Establish Drug Selection of Transgenic Schistosomes. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	8
46	Spine-bellied sea snake ( <i>Hydrophis curtus</i> ) venom shows greater skeletal myotoxicity compared with cardiac myotoxicity. <i>Toxicon</i> , 2018, 143, 108-117.	1.6	5
47	When is overkill optimal? Tritrophic interactions reveal new insights into venom evolution. <i>Theoretical Ecology</i> , 2018, 11, 141-149.	1.0	5
48	Structural Characterisation of Predicted Helical Regions in the <i>Chironex fleckeri</i> CfTX-1 Toxin. <i>Marine Drugs</i> , 2018, 16, 201.	4.6	5
49	Folding of granulin domains. <i>Peptide Science</i> , 2018, 110, e24062.	1.8	4
50	Conotoxin $\hat{1}$ $\hat{a}$ MiXXVIIA from the Superfamily G2 Employs a Novel Cysteine Framework that Mimics Granulin and Displays Anti $\hat{a}$ Apoptotic Activity. <i>Angewandte Chemie</i> , 2017, 129, 15169-15172.	2.0	3
51	Folding of Truncated Granulin Peptides. <i>Biomolecules</i> , 2020, 10, 1152.	4.0	3
52	Australian Scorpion <i>Hormurus waigiensis</i> Venom Fractions Show Broad Bioactivity through Modulation of Bio-Impedance and Cytosolic Calcium. <i>Biomolecules</i> , 2020, 10, 617.	4.0	3
53	Newly Discovered Peptides from the Coral <i>Heliofungia actiniformis</i> Show Structural and Functional Diversity. <i>Journal of Natural Products</i> , 2022, 85, 1789-1798.	3.0	2
54	Characterisation of predicted helical regions in the <i>Chironex fleckeri</i> CfTX-1 toxin. <i>Toxicon</i> , 2019, 158, S44.	1.6	1