

Guillaume Mitta

List of Publications by Year in descending order

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92
papers

5,862
citations

43973

48
h-index

79541

73
g-index

104
all docs

104
docs citations

104
times ranked

4494
citing authors

#	ARTICLE	IF	CITATIONS
1	Outbreak of urogenital schistosomiasis in Corsica (France): an epidemiological case study. <i>Lancet Infectious Diseases</i> , 2016, 16, 971-979.	4.6	220
2	Immune-suppression by OshV-1 viral infection causes fatal bacteraemia in Pacific oysters. <i>Nature Communications</i> , 2018, 9, 4215.	5.8	217
3	Whole genome analysis of a schistosomiasis-transmitting freshwater snail. <i>Nature Communications</i> , 2017, 8, 15451.	5.8	216
4	Original involvement of antimicrobial peptides in mussel innate immunity. <i>FEBS Letters</i> , 2000, 486, 185-190.	1.3	210
5	Myticin, a novel cysteine-rich antimicrobial peptide isolated from haemocytes and plasma of the mussel <i>Mytilus galloprovincialis</i> . <i>FEBS Journal</i> , 1999, 265, 71-78.	0.2	180
6	Mussel defensins are synthesised and processed in granulocytes then released into the plasma after bacterial challenge. <i>Journal of Cell Science</i> , 1999, 112, 4233-4242.	1.2	156
7	Involvement of Mytilins in Mussel Antimicrobial Defense. <i>Journal of Biological Chemistry</i> , 2000, 275, 12954-12962.	1.6	153
8	Mytilin B and MGD2, two antimicrobial peptides of marine mussels: gene structure and expression analysis. <i>Developmental and Comparative Immunology</i> , 2000, 24, 381-393.	1.0	148
9	Excretory and secretory proteome of larval <i>Schistosoma mansoni</i> and <i>Echinostoma caproni</i> , two parasites of <i>Biomphalaria glabrata</i> . <i>Molecular and Biochemical Parasitology</i> , 2007, 155, 45-56.	0.5	133
10	A Large Repertoire of Parasite Epitopes Matched by a Large Repertoire of Host Immune Receptors in an Invertebrate Host/Parasite Model. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e813.	1.3	120
11	Cloning and Real-Time PCR Testing of 14 Potential Biomarkers in <i>Eisenia fetida</i> Following Cadmium Exposure. <i>Environmental Science & Technology</i> , 2006, 40, 2844-2850.	4.6	117
12	Differential distribution and defence involvement of antimicrobial peptides in mussel. <i>Journal of Cell Science</i> , 2000, 113, 2759-2769.	1.2	112
13	A Shift from Cellular to Humoral Responses Contributes to Innate Immune Memory in the Vector Snail <i>Biomphalaria glabrata</i> . <i>PLoS Pathogens</i> , 2016, 12, e1005361.	2.1	112
14	Advances in gastropod immunity from the study of the interaction between the snail <i>Biomphalaria glabrata</i> and its parasites: A review of research progress over the last decade. <i>Fish and Shellfish Immunology</i> , 2015, 46, 5-16.	1.6	110
15	Innate Immune Responses of a Scleractinian Coral to Vibriosis. <i>Journal of Biological Chemistry</i> , 2011, 286, 22688-22698.	1.6	101
16	Antimicrobial peptides in marine invertebrate health and disease. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150300.	1.8	101
17	Compatibility polymorphism in snail/schistosome interactions: From field to theory to molecular mechanisms. <i>Developmental and Comparative Immunology</i> , 2012, 37, 1-8.	1.0	100
18	Who is the puppet master? Replication of a parasitic wasp-associated virus correlates with host behaviour manipulation. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20142773.	1.2	100

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19	Thermal regime and host clade, rather than geography, drive Symbiodinium and bacterial assemblages in the scleractinian coral <i>Pocillopora damicornis</i> sensu lato. <i>Microbiome</i> , 2018, 6, 39.	4.9	100
20	Solution Structure and Activity of the Synthetic Four-Disulfide Bond Mediterranean Mussel Defensin (MGD-1). <i>Biochemistry</i> , 2000, 39, 14436-14447.	1.2	99
21	Coral bleaching under thermal stress: putative involvement of host/symbiont recognition mechanisms. <i>BMC Physiology</i> , 2009, 9, 14.	3.6	99
22	Physiological responses of the scleractinian coral <i>Pocillopora damicornis</i> to bacterial stress from <i>Vibrio coralliilyticus</i> . <i>Journal of Experimental Biology</i> , 2011, 214, 1533-1545.	0.8	93
23	Biomphalysin, a New \hat{I}^2 Pore-forming Toxin Involved in <i>Biomphalaria glabrata</i> Immune Defense against <i>Schistosoma mansoni</i> . <i>PLoS Pathogens</i> , 2013, 9, e1003216.	2.1	93
24	Schistosomiasis reaches Europe. <i>Lancet Infectious Diseases</i> , The, 2015, 15, 757-758.	4.6	92
25	Gene discovery and expression analysis of immune-relevant genes from <i>Biomphalaria glabrata</i> hemocytes. <i>Developmental and Comparative Immunology</i> , 2005, 29, 393-407.	1.0	90
26	Molecular Characterization of Two Novel Antibacterial Peptides Inducible upon Bacterial Challenge in an Annelid, the Leech <i>Theromyzon tessulatum</i> . <i>Journal of Biological Chemistry</i> , 2004, 279, 30973-30982.	1.6	87
27	A family of variable immunoglobulin and lectin domain containing molecules in the snail <i>Biomphalaria glabrata</i> . <i>Developmental and Comparative Immunology</i> , 2015, 48, 234-243.	1.0	85
28	Debating phylogenetic relationships of the scleractinian <i>Psammocora</i> : molecular and morphological evidences. <i>Contributions To Zoology</i> , 2007, 76, 35-54.	0.2	84
29	Controlled Chaos of Polymorphic Mucins in a Metazoan Parasite (<i>Schistosoma mansoni</i>) Interacting with Its Invertebrate Host (<i>Biomphalaria glabrata</i>). <i>PLoS Neglected Tropical Diseases</i> , 2008, 2, e330.	1.3	82
30	Thermal Stress Triggers Broad <i>Pocillopora damicornis</i> Transcriptomic Remodeling, while <i>Vibrio coralliilyticus</i> Infection Induces a More Targeted Immuno-Suppression Response. <i>PLoS ONE</i> , 2014, 9, e107672.	1.1	80
31	Introgressive hybridizations of <i>Schistosoma haematobium</i> by <i>Schistosoma bovis</i> at the origin of the first case report of schistosomiasis in Corsica (France, Europe). <i>Parasitology Research</i> , 2015, 114, 4127-4133.	0.6	77
32	Schistosomiasis <i>Haematobium</i> , Corsica, France. <i>Emerging Infectious Diseases</i> , 2014, 20, 1595-1597.	2.0	75
33	Identification and expression of gene transcripts generated during an anti-parasitic response in <i>Biomphalaria glabrata</i> . <i>Developmental and Comparative Immunology</i> , 2007, 31, 657-671.	1.0	72
34	Molecular determinants of compatibility polymorphism in the <i>Biomphalaria glabrata</i> / <i>Schistosoma mansoni</i> model: New candidates identified by a global comparative proteomics approach. <i>Molecular and Biochemical Parasitology</i> , 2008, 157, 205-216.	0.5	72
35	Applying ecological and evolutionary theory to cancer: a long and winding road. <i>Evolutionary Applications</i> , 2013, 6, 1-10.	1.5	70
36	The Compatibility Between <i>Biomphalaria glabrata</i> Snails and <i>Schistosoma mansoni</i> . <i>Advances in Parasitology</i> , 2017, 97, 111-145.	1.4	69

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37	Characterisation of proteins differentially present in the plasma of <i>Biomphalaria glabrata</i> susceptible or resistant to <i>Echinostoma caproni</i> . <i>International Journal for Parasitology</i> , 2005, 35, 215-224.	1.3	67
38	Multi-parasite host susceptibility and multi-host parasite infectivity: A new approach of the <i>Biomphalaria glabrata</i> / <i>Schistosoma mansoni</i> compatibility polymorphism. <i>Infection, Genetics and Evolution</i> , 2014, 26, 80-88.	1.0	66
39	Early Differential Gene Expression in Haemocytes from Resistant and Susceptible <i>Biomphalaria glabrata</i> Strains in Response to <i>Schistosoma mansoni</i> . <i>PLoS ONE</i> , 2012, 7, e51102.	1.1	66
40	Evidence for Specific Genotype-Dependent Immune Priming in the Lophotrochozoan <i>Biomphalaria glabrata</i> ; Snail. <i>Journal of Innate Immunity</i> , 2013, 5, 261-276.	1.8	64
41	Species-specific mechanisms of cytotoxicity toward immune cells determine the successful outcome of <i>Vibrio</i> infections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14238-14247.	3.3	62
42	Compatibility in the <i>Biomphalaria glabrata</i> / <i>Echinostoma caproni</i> model: Potential involvement of proteins from hemocytes revealed by a proteomic approach. <i>Acta Tropica</i> , 2006, 98, 234-246.	0.9	58
43	Microbiota Composition and Evenness Predict Survival Rate of Oysters Confronted to Pacific Oyster Mortality Syndrome. <i>Frontiers in Microbiology</i> , 2020, 11, 311.	1.5	57
44	An example of molecular co-evolution: Reactive oxygen species (ROS) and ROS scavenger levels in <i>Schistosoma mansoni</i> / <i>Biomphalaria glabrata</i> interactions. <i>International Journal for Parasitology</i> , 2011, 41, 721-730.	1.3	56
45	Effects of a parental exposure to diuron on Pacific oyster spat methylome. <i>Environmental Epigenetics</i> , 2017, 3, dvx004.	0.9	56
46	Expression analysis of highly polymorphic mucin proteins (Sm PoMuc) from the parasite <i>Schistosoma mansoni</i> . <i>Molecular and Biochemical Parasitology</i> , 2008, 157, 217-227.	0.5	55
47	Excretory secretory products of larval <i>Fasciola hepatica</i> investigated using a two-dimensional proteomic approach. <i>Molecular and Biochemical Parasitology</i> , 2008, 161, 63-66.	0.5	51
48	A multistrain approach to studying the mechanisms underlying compatibility in the interaction between <i>Biomphalaria glabrata</i> and <i>Schistosoma mansoni</i> . <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005398.	1.3	51
49	Compatibility in the <i>Biomphalaria glabrata</i> / <i>Echinostoma caproni</i> model: Potential involvement of adhesion genes. <i>International Journal for Parasitology</i> , 2006, 36, 175-184.	1.3	49
50	A Sustained Immune Response Supports Long-Term Antiviral Immune Priming in the Pacific Oyster, <i>Crassostrea gigas</i> . <i>MBio</i> , 2020, 11, .	1.8	49
51	Feminizing <i>Wolbachia</i> : a transcriptomics approach with insights on the immune response genes in <i>Armadillidium vulgare</i> . <i>BMC Microbiology</i> , 2012, 12, S1.	1.3	48
52	The Pacific Oyster Mortality Syndrome, a Polymicrobial and Multifactorial Disease: State of Knowledge and Future Directions. <i>Frontiers in Immunology</i> , 2021, 12, 630343.	2.2	47
53	Differential basal expression of immune genes confers <i>Crassostrea gigas</i> resistance to Pacific oyster mortality syndrome. <i>BMC Genomics</i> , 2020, 21, 63.	1.2	42
54	Compatibility in the <i>Biomphalaria glabrata</i> / <i>Echinostoma caproni</i> model: new candidate genes evidenced by a suppressive subtractive hybridization approach. <i>Parasitology</i> , 2007, 134, 575-588.	0.7	40

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55	Integrated multi-omic analyses in Biomphalaria-Schistosoma dialogue reveal the immunobiological significance of FREP-SmPoMuc interaction. <i>Developmental and Comparative Immunology</i> , 2017, 75, 16-27.	1.0	40
56	Halocytin and papillosin, two new antimicrobial peptides isolated from hemocytes of the solitary tunicate, <i>Halocynthia papillosa</i> . <i>Journal of Peptide Science</i> , 2009, 15, 48-55.	0.8	38
57	Diversity and evolution of bodyguard manipulation. <i>Journal of Experimental Biology</i> , 2013, 216, 36-42.	0.8	37
58	Native chromatin immunoprecipitation (N-ChIP) and ChIP-Seq of <i>Schistosoma mansoni</i> : Critical experimental parameters. <i>Molecular and Biochemical Parasitology</i> , 2009, 166, 70-76.	0.5	35
59	The strong induction of metallothionein gene following cadmium exposure transiently affects the expression of many genes in <i>Eisenia fetida</i> : A trade-off mechanism?. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2007, 144, 334-341.	1.3	34
60	A Novel Bacterial Pathogen of <i>Biomphalaria glabrata</i> : A Potential Weapon for Schistosomiasis Control?. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003489.	1.3	34
61	<i>Schistosoma mansoni</i> and <i>Echinostoma caproni</i> excretory/secretory products differentially affect gene expression in <i>Biomphalaria glabrata</i> embryonic cells. <i>Parasitology</i> , 2003, 127, 533-542.	0.7	32
62	Use of individual polymorphism to validate potential functional markers: case of a candidate lectin (BgSel) differentially expressed in susceptible and resistant strains of <i>Biomphalaria glabrata</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2004, 138, 175-181.	0.7	31
63	Up-regulation of Neurohemerythrin Expression in the Central Nervous System of the Medicinal Leech, <i>Hirudo medicinalis</i> , following Septic Injury. <i>Journal of Biological Chemistry</i> , 2004, 279, 43828-43837.	1.6	30
64	Mussel defensins are synthesised and processed in granulocytes then released into the plasma after bacterial challenge. <i>Journal of Cell Science</i> , 1999, 112 (Pt 23), 4233-42.	1.2	30
65	Identification and expression profile of gene transcripts differentially expressed during metallic exposure in <i>Eisenia fetida</i> coelomocytes. <i>Developmental and Comparative Immunology</i> , 2008, 32, 1441-1453.	1.0	29
66	Epigenetic and phenotypic variability in populations of <i>Schistosoma mansoni</i> - a possible kick-off for adaptive host/parasite evolution. <i>Oikos</i> , 2010, 119, 669-678.	1.2	27
67	<i>Schistosoma mansoni</i> Mucin Gene (SmPoMuc) Expression: Epigenetic Control to Shape Adaptation to a New Host. <i>PLoS Pathogens</i> , 2013, 9, e1003571.	2.1	25
68	Early life microbial exposures shape the <i>Crassostrea gigas</i> immune system for lifelong and intergenerational disease protection. <i>Microbiome</i> , 2022, 10, .	4.9	24
69	Oyster hemolymph is a complex and dynamic ecosystem hosting bacteria, protists and viruses. <i>Animal Microbiome</i> , 2020, 2, 12.	1.5	23
70	Private Selective Sweeps Identified from Next-Generation Pool-Sequencing Reveal Convergent Pathways under Selection in Two Inbred <i>Schistosoma mansoni</i> Strains. <i>PLoS Neglected Tropical Diseases</i> , 2013, 7, e2591.	1.3	20
71	Genetic and morphometric evidence for unresolved species boundaries in the coral genus <i>Psammocora</i> (Cnidaria; Scleractinia). <i>Hydrobiologia</i> , 2008, 596, 153-172.	1.0	19
72	Epigenetic origin of adaptive phenotypic variants in the human blood fluke <i>Schistosoma mansoni</i> . <i>Epigenetics and Chromatin</i> , 2016, 9, 27.	1.8	19

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73	Evidence for a genetic sex determination in Cnidaria, the Mediterranean red coral (<i>Corallium) Tj ETQq1 1 0.784314 rgBT /Oyerlock 18	1.1	18
74	Transcriptional changes in <i>Crassostrea gigas</i> oyster spat following a parental exposure to the herbicide diuron. <i>Aquatic Toxicology</i> , 2016, 175, 47-55.	1.9	17
75	Vertebrate host protective immunity drives genetic diversity and antigenic polymorphism in <i>Schistosoma mansoni</i> . <i>Journal of Evolutionary Biology</i> , 2011, 24, 554-572.	0.8	15
76	Combination of de novo assembly of massive sequencing reads with classical repeat prediction improves identification of repetitive sequences in <i>Schistosoma mansoni</i> . <i>Experimental Parasitology</i> , 2012, 130, 470-474.	0.5	15
77	Contribution of Viral Genomic Diversity to Oyster Susceptibility in the Pacific Oyster Mortality Syndrome. <i>Frontiers in Microbiology</i> , 2020, 11, 1579.	1.5	14
78	Fine-scale temporal dynamics of herpes virus and vibrios in seawater during a polymicrobial infection in the Pacific oyster <i>Crassostrea gigas</i> . <i>Diseases of Aquatic Organisms</i> , 2019, 135, 97-106.	0.5	14
79	Effect of amphotericin B on the infection success of <i>Schistosoma mansoni</i> in <i>Biomphalaria glabrata</i> . <i>Experimental Parasitology</i> , 2010, 125, 70-75.	0.5	12
80	Gene expression plasticity and frontloading promote thermotolerance in <i>Pocillopora</i> corals. , 0, 2, .		9
81	The compatibility polymorphism in invertebrate host/trematodes interactions: research of molecular determinants. <i>Parasite</i> , 2008, 15, 304-309.	0.8	8
82	Echinostomes and snails: exploring complex interactions.. , 2009, , 35-59.		7
83	Separate the wheat from the chaff: genomic scan for local adaptation in the red coral <i>Corallium rubrum</i> . , 0, 1, .		7
84	Selective mRNA degradation by antisense oligonucleotide-2,5A chimeras: Involvement of RNase H and RNase L. <i>Biochimie</i> , 1998, 80, 711-720.	1.3	6
85	Polymorphic Mucin-Like Proteins in <i>Schistosoma mansoni</i> , a Variable Antigen and a Key Component of the Compatibility Between the Schistosome and Its Snail Host. <i>Results and Problems in Cell Differentiation</i> , 2015, 57, 91-108.	0.2	4
86	Efficient and long-lasting protection against the pacific oyster mortality syndrome through antiviral immune priming. <i>Fish and Shellfish Immunology</i> , 2019, 91, 461.	1.6	3
87	Characterization of cDNA encoding a L37a ribosomal protein from <i>Taenia crassiceps</i> and its potential use in phylogenetic reconstructions. <i>Experimental Parasitology</i> , 2002, 101, 240-242.	0.5	2
88	Expression patterns of Abd-A/Lox4 in a monogenean parasite with alternative developmental paths. <i>Molecular and Biochemical Parasitology</i> , 2010, 173, 154-157.	0.5	2
89	The tropical coral <i>Pocillopora acuta</i> displays an unusual chromatin structure and shows histone H3 clipping plasticity upon bleaching. <i>Wellcome Open Research</i> , 2021, 6, 195.	0.9	2
90	The tropical coral <i>Pocillopora acuta</i> displays an unusual chromatin structure and shows histone H3 clipping plasticity upon bleaching. <i>Wellcome Open Research</i> , 0, 6, 195.	0.9	2

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91	Immunocytochemical Detection of Recombinant Biomphalysin on Schistosoma mansoni Sporocysts. Bio-protocol, 2013, 3, .	0.2	1
92	Translation Arrest by RNase h Incompetent Antisense Oligonucleotides. Nucleosides & Nucleotides, 1999, 18, 1667-1668.	0.5	0