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	Early life microbial exposures shape the Crassostrea gigas immune system for lifelong and intergenerational disease protection. Microbiome, 2022, 10, .	4.9	24
2	The Pacific Oyster Mortality Syndrome, a Polymicrobial and Multifactorial Disease: State of Knowledge and Future Directions. Frontiers in Immunology, 2021, 12, 630343.	2.2	47
3	The tropical coral Pocillopora acuta displays an unusual chromatin structure and shows histone H3 clipping plasticity upon bleaching. Wellcome Open Research, 2021, 6, 195.	0.9	2
4	Contribution of Viral Genomic Diversity to Oyster Susceptibility in the Pacific Oyster Mortality Syndrome. Frontiers in Microbiology, 2020, 11, 1579.	1.5	14
5	Oyster hemolymph is a complex and dynamic ecosystem hosting bacteria, protists and viruses. Animal Microbiome, 2020, 2, 12.	1.5	23
6	Microbiota Composition and Evenness Predict Survival Rate of Oysters Confronted to Pacific Oyster Mortality Syndrome. Frontiers in Microbiology, 2020, 11, 311.	1.5	57
7	Differential basal expression of immune genes confers Crassostrea gigas resistance to Pacific oyster mortality syndrome. BMC Genomics, 2020, 21, 63.	1.2	42
8	A Sustained Immune Response Supports Long-Term Antiviral Immune Priming in the Pacific Oyster, Crassostrea gigas. MBio, 2020, 11, .	1.8	49
9	Species-specific mechanisms of cytotoxicity toward immune cells determine the successful outcome ofVibrioinfections. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14238-14247.	3.3	62
10	Efficient and long-lasting protection against the pacific oyster mortality syndrome through antiviral immune priming. Fish and Shellfish Immunology, 2019, 91, 461.	1.6	3
11	Fine-scale temporal dynamics of herpes virus and vibrios in seawater during a polymicrobial infection in the Pacific oyster Crassostrea gigas. Diseases of Aquatic Organisms, 2019, 135, 97-106.	0.5	14
12	Thermal regime and host clade, rather than geography, drive Symbiodinium and bacterial assemblages in the scleractinian coral Pocillopora damicornis sensu lato. Microbiome, 2018, 6, 39.	4.9	100
13	Immune-suppression by OsHV-1 viral infection causes fatal bacteraemia in Pacific oysters. Nature Communications, 2018, 9, 4215.	5.8	217
14	Integrated multi-omic analyses in Biomphalaria-Schistosoma dialogue reveal the immunobiological significance of FREP-SmPoMuc interaction. Developmental and Comparative Immunology, 2017, 75, 16-27.	1.0	40
15	The Compatibility Between Biomphalaria glabrata Snails and Schistosoma mansoni. Advances in Parasitology, 2017, 97, 111-145.	1.4	69
16	Whole genome analysis of a schistosomiasis-transmitting freshwater snail. Nature Communications, 2017, 8, 15451.	5.8	216
17	Evidence for a genetic sex determination in Cnidaria, the Mediterranean red coral (<i>Corallium) Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	18
18	Effects of a parental exposure to diuron on Pacific oyster spat methylome. Environmental Epigenetics, 2017, 3, dvx004.	0.9	56

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19	A multistrain approach to studying the mechanisms underlying compatibility in the interaction between Biomphalaria glabrata and Schistosoma mansoni. PLoS Neglected Tropical Diseases, 2017, 11, e0005398.	1.3	51
20	Epigenetic origin of adaptive phenotypic variants in the human blood fluke Schistosoma mansoni. Epigenetics and Chromatin, 2016, 9, 27.	1.8	19
21	Outbreak of urogenital schistosomiasis in Corsica (France): an epidemiological case study. Lancet Infectious Diseases, The, 2016, 16, 971-979.	4.6	220
22	Antimicrobial peptides in marine invertebrate health and disease. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150300.	1.8	101
23	Transcriptional changes in Crassostrea gigas oyster spat following a parental exposure to the herbicide diuron. Aquatic Toxicology, 2016, 175, 47-55.	1.9	17
24	A Shift from Cellular to Humoral Responses Contributes to Innate Immune Memory in the Vector Snail Biomphalaria glabrata. PLoS Pathogens, 2016, 12, e1005361.	2.1	112
25	Who is the puppet master? Replication of a parasitic wasp-associated virus correlates with host behaviour manipulation. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142773.	1.2	100
26	Advances in gastropod immunity from the study of the interaction between the snail Biomphalaria glabrata and its parasites: A review of research progress over the last decade. Fish and Shellfish Immunology, 2015, 46, 5-16.	1.6	110
27	A Novel Bacterial Pathogen of Biomphalaria glabrata: A Potential Weapon for Schistosomiasis Control?. PLoS Neglected Tropical Diseases, 2015, 9, e0003489.	1.3	34
28	Schistosomiasis reaches Europe. Lancet Infectious Diseases, The, 2015, 15, 757-758.	4.6	92
29	Introgressive hybridizations of Schistosoma haematobium by Schistosoma bovis at the origin of the first case report of schistosomiasis in Corsica (France, Europe). Parasitology Research, 2015, 114, 4127-4133.	0.6	77
30	A family of variable immunoglobulin and lectin domain containing molecules in the snail Biomphalaria glabrata. Developmental and Comparative Immunology, 2015, 48, 234-243.	1.0	85
31	Polymorphic Mucin-Like Proteins in Schistosoma mansoni, a Variable Antigen and a Key Component of the Compatibility Between the Schistosome and Its Snail Host. Results and Problems in Cell Differentiation, 2015, 57, 91-108.	0.2	4
32	Schistosomiasis Haematobium, Corsica, France. Emerging Infectious Diseases, 2014, 20, 1595-1597.	2.0	75
33	Multi-parasite host susceptibility and multi-host parasite infectivity: A new approach of the Biomphalaria glabrata/Schistosoma mansoni compatibility polymorphism. Infection, Genetics and Evolution, 2014, 26, 80-88.	1.0	66
34	Thermal Stress Triggers Broad Pocillopora damicornis Transcriptomic Remodeling, while Vibrio coralliilyticus Infection Induces a More Targeted Immuno-Suppression Response. PLoS ONE, 2014, 9, e107672.	1.1	80
35	Applying ecological and evolutionary theory to cancer: a long and winding road. Evolutionary Applications, 2013, 6, 1-10.	1.5	70
36	Evidence for Specific Genotype-Dependent Immune Priming in the Lophotrochozoan <i>Biomphalaria glabrata</i> Snail. Journal of Innate Immunity, 2013, 5, 261-276.	1.8	64

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37	Biomphalysin, a New Î² Pore-forming Toxin Involved in Biomphalaria glabrata Immune Defense against Schistosoma mansoni. PLoS Pathogens, 2013, 9, e1003216.	2.1	93
38	Schistosoma mansoni Mucin Gene (SmPoMuc) Expression: Epigenetic Control to Shape Adaptation to a New Host. PLoS Pathogens, 2013, 9, e1003571.	2.1	25
39	Private Selective Sweeps Identified from Next-Generation Pool-Sequencing Reveal Convergent Pathways under Selection in Two Inbred Schistosoma mansoni Strains. PLoS Neglected Tropical Diseases, 2013, 7, e2591.	1.3	20
40	Diversity and evolution of bodyguard manipulation. Journal of Experimental Biology, 2013, 216, 36-42.	0.8	37
41	Immunocytochemical Detection of Recombinant Biomphalysin on Schistosoma mansoni Sporocysts. Bio-protocol, 2013, 3, .	0.2	1
42	Compatibility polymorphism in snail/schistosome interactions: From field to theory to molecular mechanisms. Developmental and Comparative Immunology, 2012, 37, 1-8.	1.0	100
43	Feminizing Wolbachia: a transcriptomics approach with insights on the immune response genes in Armadillidium vulgare. BMC Microbiology, 2012, 12, S1.	1.3	48
44	Combination of de novo assembly of massive sequencing reads with classical repeat prediction improves identification of repetitive sequences in Schistosoma mansoni. Experimental Parasitology, 2012, 130, 470-474.	0.5	15
45	Early Differential Gene Expression in Haemocytes from Resistant and Susceptible Biomphalaria glabrata Strains in Response to Schistosoma mansoni. PLoS ONE, 2012, 7, e51102.	1.1	66
46	Physiological responses of the scleractinian coral Pocillopora damicornis to bacterial stress from Vibrio coralliilyticus. Journal of Experimental Biology, 2011, 214, 1533-1545.	0.8	93
47	Vertebrate host protective immunity drives genetic diversity and antigenic polymorphism in Schistosoma mansoni. Journal of Evolutionary Biology, 2011, 24, 554-572.	0.8	15
48	An example of molecular co-evolution: Reactive oxygen species (ROS) and ROS scavenger levels in Schistosoma mansoni/Biomphalaria glabrata interactions. International Journal for Parasitology, 2011, 41, 721-730.	1.3	56
49	Innate Immune Responses of a Scleractinian Coral to Vibriosis. Journal of Biological Chemistry, 2011, 286, 22688-22698.	1.6	101
50	Expression patterns of Abd-A/Lox4 in a monogenean parasite with alternative developmental paths. Molecular and Biochemical Parasitology, 2010, 173, 154-157.	0.5	2
51	Effect of amphotericin B on the infection success of Schistosoma mansoni in Biomphalaria glabrata. Experimental Parasitology, 2010, 125, 70-75.	0.5	12
52	Epigenetic and phenotypic variability in populations of Schistosoma mansoni- a possible kick-off for adaptive host/parasite evolution. Oikos, 2010, 119, 669-678.	1.2	27
53	A Large Repertoire of Parasite Epitopes Matched by a Large Repertoire of Host Immune Receptors in an Invertebrate Host/Parasite Model. PLoS Neglected Tropical Diseases, 2010, 4, e813.	1.3	120
54	Native chromatin immunoprecipitation (N-ChIP) and ChIP-Seq of Schistosoma mansoni: Critical experimental parameters. Molecular and Biochemical Parasitology, 2009, 166, 70-76.	0.5	35

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55	Halocyntin and papillosin, two new antimicrobial peptides isolated from hemocytes of the solitary tunicate, Halocynthia papillosa. Journal of Peptide Science, 2009, 15, 48-55.	0.8	38
56	Coral bleaching under thermal stress: putative involvement of host/symbiont recognition mechanisms. BMC Physiology, 2009, 9, 14.	3.6	99
57	Echinostomes and snails: exploring complex interactions.. , 2009, , 35-59.		7
58	Genetic and morphometric evidence for unresolved species boundaries in the coral genus Psammocora (Cnidaria; Scleractinia). Hydrobiologia, 2008, 596, 153-172.	1.0	19
59	Molecular determinants of compatibility polymorphism in the Biomphalaria glabrata/Schistosoma mansoni model: New candidates identified by a global comparative proteomics approach. Molecular and Biochemical Parasitology, 2008, 157, 205-216.	0.5	72
60	Expression analysis of highly polymorphic mucin proteins (Sm PoMuc) from the parasite Schistosoma mansoni. Molecular and Biochemical Parasitology, 2008, 157, 217-227.	0.5	55
61	Excretoryâ€“secretory products of larval Fasciola hepatica investigated using a two-dimensional proteomic approach. Molecular and Biochemical Parasitology, 2008, 161, 63-66.	0.5	51
62	Identification and expression profile of gene transcripts differentially expressed during metallic exposure in Eisenia fetida coelomocytes. Developmental and Comparative Immunology, 2008, 32, 1441-1453.	1.0	29
63	The compatibility polymorphism in invertebrate host/trematodes interactions: research of molecular determinants. Parasite, 2008, 15, 304-309.	0.8	8
64	Controlled Chaos of Polymorphic Mucins in a Metazoan Parasite (Schistosoma mansoni) Interacting with Its Invertebrate Host (Biomphalaria glabrata). PLoS Neglected Tropical Diseases, 2008, 2, e330.	1.3	82
65	Compatibility in the Biomphalaria glabrata/Echinostoma caproni model: new candidate genes evidenced by a suppressive subtractive hybridization approach. Parasitology, 2007, 134, 575-588.	0.7	40
66	The strong induction of metallothionein gene following cadmium exposure transiently affects the expression of many genes in Eisenia fetida: A trade-off mechanism?. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2007, 144, 334-341.	1.3	34
67	Identification and expression of gene transcripts generated during an anti-parasitic response in Biomphalaria glabrata. Developmental and Comparative Immunology, 2007, 31, 657-671.	1.0	72
68	Debating phylogenetic relationships of the scleractinian Psammocora: molecular and morphological evidences. Contributions To Zoology, 2007, 76, 35-54.	0.2	84
69	Excretoryâ€“secretory proteome of larval Schistosoma mansoni and Echinostoma caproni, two parasites of Biomphalaria glabrata. Molecular and Biochemical Parasitology, 2007, 155, 45-56.	0.5	133
70	Cloning and Real-Time PCR Testing of 14 Potential Biomarkers inEisenia fetidaFollowing Cadmium Exposure. Environmental Science & Technology, 2006, 40, 2844-2850.	4.6	117
71	Compatibility in the Biomphalaria glabrata/Echinostoma caproni model: Potential involvement of proteins from hemocytes revealed by a proteomic approach. Acta Tropica, 2006, 98, 234-246.	0.9	58
72	Compatibility in the Biomphalaria glabrata/Echinostoma caproni model: Potential involvement of adhesion genes. International Journal for Parasitology, 2006, 36, 175-184.	1.3	49

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73	Characterisation of proteins differentially present in the plasma of Biomphalaria glabrata susceptible or resistant to Echinostoma caproni. International Journal for Parasitology, 2005, 35, 215-224.	1.3	67
74	Gene discovery and expression analysis of immune-relevant genes from Biomphalaria glabrata hemocytes. Developmental and Comparative Immunology, 2005, 29, 393-407.	1.0	90
75	Up-regulation of Neurohemerythrin Expression in the Central Nervous System of the Medicinal Leech, Hirudo medicinalis, following Septic Injury. Journal of Biological Chemistry, 2004, 279, 43828-43837.	1.6	30
76	Molecular Characterization of Two Novel Antibacterial Peptides Inducible upon Bacterial Challenge in an Annelid, the Leech Theromyzon tessulatum. Journal of Biological Chemistry, 2004, 279, 30973-30982.	1.6	87
77	Use of individual polymorphism to validate potential functional markers: case of a candidate lectin (BgSel) differentially expressed in susceptible and resistant strains of Biomphalaria glabrata. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2004, 138, 175-181.	0.7	31
78	Schistosoma mansoni and Echinostoma caproni excretorysecretory products differentially affect gene expression in Biomphalaria glabrata embryonic cells. Parasitology, 2003, 127, 533-542.	0.7	32
79	Characterization of cDNA encoding a L37a ribosomal protein from Taenia crassiceps and its potential use in phylogenetic reconstructions. Experimental Parasitology, 2002, 101, 240-242.	0.5	2
80	Mytilin B and MGD2, two antimicrobial peptides of marine mussels: gene structure and expression analysis. Developmental and Comparative Immunology, 2000, 24, 381-393.	1.0	148
81	Original involvement of antimicrobial peptides in mussel innate immunity. FEBS Letters, 2000, 486, 185-190.	1.3	210
82	Involvement of Mytilins in Mussel Antimicrobial Defense. Journal of Biological Chemistry, 2000, 275, 12954-12962.	1.6	153
83	Solution Structure and Activity of the Synthetic Four-Disulfide Bond Mediterranean Mussel Defensin (MGD-1). Biochemistry, 2000, 39, 14436-14447.	1.2	99
84	Differential distribution and defence involvement of antimicrobial peptides in mussel. Journal of Cell Science, 2000, 113, 2759-2769.	1.2	112
85	Translation Arrest by RNase h Incompetent Antisense Oligonucleotides. Nucleosides & Nucleotides, 1999, 18, 1667-1668.	0.5	0
86	Myticin, a novel cysteine-rich antimicrobial peptide isolated from haemocytes and plasma of the mussel Mytilus galloprovincialis. FEBS Journal, 1999, 265, 71-78.	0.2	180
87	Mussel defensins are synthesised and processed in granulocytes then released into the plasma after bacterial challenge. Journal of Cell Science, 1999, 112, 4233-4242.	1.2	156
88	Mussel defensins are synthesised and processed in granulocytes then released into the plasma after bacterial challenge. Journal of Cell Science, 1999, 112 (Pt 23), 4233-42.	1.2	30
89	Selective mRNA degradation by antisense oligonucleotide-2,5A chimeras: Involvement of RNase H and RNase L. Biochimie, 1998, 80, 711-720.	1.3	6
90	Separate the wheat from the chaff: genomic scan for local adaptation in the red coral Corallium rubrum. , 0, 1, .		7

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91	The tropical coral Pocillopora acuta displays an unusual chromatin structure and shows histone H3 clipping plasticity upon bleaching. Wellcome Open Research, 0, 6, 195.	0.9	2
92	Gene expression plasticity and frontloading promote thermotolerance in Pocillopora corals. , 0, 2, .		9