

Joao H F Pedra

List of Publications by Year in descending order

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55
papers

3,227
citations

201674

27
h-index

155660

55
g-index

57
all docs

57
docs citations

57
times ranked

3533
citing authors

#	ARTICLE	IF	CITATIONS
1	Genomic insights into the Ixodes scapularis tick vector of Lyme disease. Nature Communications, 2016, 7, 10507.	12.8	450
2	Sterol Regulatory Element Binding Protein 2 Activation of NLRP3 Inflammasome in Endothelium Mediates Hemodynamic-Induced Atherosclerosis Susceptibility. Circulation, 2013, 128, 632-642.	1.6	215
3	Sensing pathogens and danger signals by the inflammasome. Current Opinion in Immunology, 2009, 21, 10-16.	5.5	205
4	Genome-wide transcription profile of field- and laboratory-selected dichlorodiphenyltrichloroethane (DDT)-resistant Drosophila. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7034-7039.	7.1	202
5	Modulation of host immunity by tick saliva. Journal of Proteomics, 2015, 128, 58-68.	2.4	196
6	Engineering of obligate intracellular bacteria: progress, challenges and paradigms. Nature Reviews Microbiology, 2017, 15, 544-558.	28.6	144
7	Sialomes and Mialomes: A Systems-Biology View of Tick Tissues and Tick-Host Interactions. Trends in Parasitology, 2016, 32, 242-254.	3.3	123
8	Interactions between Borrelia burgdorferi and ticks. Nature Reviews Microbiology, 2020, 18, 587-600.	28.6	112
9	Tick salivary secretion as a source of antihemostatics. Journal of Proteomics, 2012, 75, 3842-3854.	2.4	104
10	Infection-derived lipids elicit an immune deficiency circuit in arthropods. Nature Communications, 2017, 8, 14401.	12.8	103
11	Differential expression and induction of two Drosophila cytochrome P450 genes near the Rst(2)DDT locus. Insect Molecular Biology, 2002, 11, 337-341.	2.0	91
12	All For One and One For All on the Tick-Host Battlefield. Trends in Parasitology, 2016, 32, 368-377.	3.3	88
13	ASC/PYCARD and Caspase-1 Regulate the IL-18/IFN- γ Axis during <i>Anaplasma phagocytophilum</i> Infection. Journal of Immunology, 2007, 179, 4783-4791.	0.8	75
14	The E3 Ubiquitin Ligase XIAP Restricts Anaplasma phagocytophilum Colonization of Ixodes scapularis Ticks. Journal of Infectious Diseases, 2013, 208, 1830-1840.	4.0	52
15	The Tick Salivary Protein Sialostatin L2 Inhibits Caspase-1-Mediated Inflammation during Anaplasma phagocytophilum Infection. Infection and Immunity, 2014, 82, 2553-2564.	2.2	51
16	Grappling with the tick microbiome. Trends in Parasitology, 2021, 37, 722-733.	3.3	51
17	Protective Immunity and New Vaccines for Lyme Disease. Clinical Infectious Diseases, 2020, 70, 1768-1773.	5.8	50
18	The Tick Protein Sialostatin L2 Binds to Annexin A2 and Inhibits NLRC4-Mediated Inflammasome Activation. Infection and Immunity, 2016, 84, 1796-1805.	2.2	47

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19	Fucosylation enhances colonization of ticks by <i>Anaplasma phagocytophilum</i> . <i>Cellular Microbiology</i> , 2010, 12, 1222-1234.	2.1	44
20	Modulation of NB4 promyelocytic leukemic cell machinery by <i>Anaplasma phagocytophilum</i> . <i>Genomics</i> , 2005, 86, 365-377.	2.9	42
21	Lipid hijacking: A unifying theme in vector-borne diseases. <i>ELife</i> , 2020, 9, .	6.0	41
22	<i>Ixodes scapularis</i> saliva mitigates inflammatory cytokine secretion during <i>Anaplasma phagocytophilum</i> stimulation of immune cells. <i>Parasites and Vectors</i> , 2012, 5, 229.	2.5	40
23	Transcriptome analysis of the cowpea weevil bruchid: identification of putative proteinases and alpha-amylases associated with food breakdown. <i>Insect Molecular Biology</i> , 2003, 12, 405-412.	2.0	39
24	Vector Immunity and Evolutionary Ecology: The Harmonious Dissonance. <i>Trends in Immunology</i> , 2018, 39, 862-873.	6.8	33
25	Antisense and sense expression of a sucrose binding protein homologue gene from soybean in transgenic tobacco affects plant growth and carbohydrate partitioning in leaves. <i>Plant Science</i> , 2000, 152, 87-98.	3.6	32
26	Tryptogalinin Is a Tick Kunitz Serine Protease Inhibitor with a Unique Intrinsic Disorder. <i>PLoS ONE</i> , 2013, 8, e62562.	2.5	32
27	<i>Anaplasma phagocytophilum</i> : deceptively simple or simply deceptive?. <i>Future Microbiology</i> , 2012, 7, 719-731.	2.0	31
28	Ticks Resist Skin Commensals with Immune Factor of Bacterial Origin. <i>Cell</i> , 2020, 183, 1562-1571.e12.	28.9	31
29	The Prostaglandin E2-EP3 Receptor Axis Regulates <i>Anaplasma phagocytophilum</i> -Mediated NLR4 Inflammasome Activation. <i>PLoS Pathogens</i> , 2016, 12, e1005803.	4.7	31
30	Profiling of abundant proteins associated with dichlorodiphenyltrichloroethane resistance in <i>Drosophila melanogaster</i> . <i>Proteomics</i> , 2005, 5, 258-269.	2.2	29
31	<i>Anaplasma phagocytophilum</i> Dihydroipoamide Dehydrogenase 1 Affects Host-Derived Immunopathology during Microbial Colonization. <i>Infection and Immunity</i> , 2012, 80, 3194-3205.	2.2	29
32	Deep Sequencing Analysis of the <i>Ixodes ricinus</i> Haemocytome. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003754.	3.0	29
33	Tick Humoral Responses: Marching to the Beat of a Different Drummer. <i>Frontiers in Microbiology</i> , 2017, 8, 223.	3.5	29
34	p47 licenses activation of the immune deficiency pathway in the tick <i>Ixodes scapularis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 205-210.	7.1	29
35	Message in a vesicle – trans-kingdom intercommunication at the vector–host interface. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	27
36	Tick extracellular vesicles enable arthropod feeding and promote distinct outcomes of bacterial infection. <i>Nature Communications</i> , 2021, 12, 3696.	12.8	27

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37	Receptor interacting protein-2 contributes to host defense against <i>Anaplasma phagocytophilum</i> infection. <i>FEMS Immunology and Medical Microbiology</i> , 2012, 66, 211-219.	2.7	24
38	IL-12/23p40-dependent clearance of <i>Anaplasma phagocytophilum</i> in the murine model of human anaplasmosis. <i>FEMS Immunology and Medical Microbiology</i> , 2007, 50, 401-410.	2.7	23
39	DISRUPTION OF THE SALIVARY PROTEIN 14 IN IXODES SCAPULARIS NYMPHS AND IMPACT ON PATHOGEN ACQUISITION. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006, 75, 677-682.	1.4	21
40	A sucrose binding protein homologue from soybean affects sucrose uptake in suspension-cultured transgenic tobacco cells. <i>Plant Physiology and Biochemistry</i> , 2000, 38, 353-361.	5.8	20
41	The "ubiquitous" reality of vector immunology. <i>Cellular Microbiology</i> , 2013, 15, 1070-1078.	2.1	20
42	Altered Th17/Treg balance and dysregulated IL-1 β response influence susceptibility/resistance to experimental autoimmune arthritis. <i>International Journal of Immunopathology and Pharmacology</i> , 2015, 28, 318-328.	2.1	17
43	c-Jun NH ₂ -Terminal Kinase 2 Inhibits Gamma Interferon Production during <i>Anaplasma phagocytophilum</i> Infection. <i>Infection and Immunity</i> , 2008, 76, 308-316.	2.2	16
44	Decoding the Ubiquitin-Mediated Pathway of Arthropod Disease Vectors. <i>PLoS ONE</i> , 2013, 8, e78077.	2.5	16
45	Transcriptome identification of putative genes involved in protein catabolism and innate immune response in human body louse (Pediculicidae: <i>Pediculus humanus</i>). <i>Insect Biochemistry and Molecular Biology</i> , 2003, 33, 1135-1143.	2.7	15
46	The Inflammasome in Host Defense. <i>Sensors</i> , 2010, 10, 97-111.	3.8	15
47	Immunometabolism in Arthropod Vectors: Redefining Interspecies Relationships. <i>Trends in Parasitology</i> , 2020, 36, 807-815.	3.3	13
48	Hyper-susceptibility to deltamethrin in parat-1 DDT resistant <i>Drosophila melanogaster</i> . <i>Pesticide Biochemistry and Physiology</i> , 2004, 78, 58-66.	3.6	12
49	NSD1 Mitigates Caspase-1 Activation by Listeriolysin O in Macrophages. <i>PLoS ONE</i> , 2013, 8, e75911.	2.5	12
50	Disruption of the salivary protein 14 in <i>Ixodes scapularis</i> nymphs and impact on pathogen acquisition. <i>American Journal of Tropical Medicine and Hygiene</i> , 2006, 75, 677-82.	1.4	9
51	Deviant Behavior: Tick-Borne Pathogens and Inflammasome Signaling. <i>Veterinary Sciences</i> , 2016, 3, 27.	1.7	8
52	For Whom the Bell Tolls (and Nods): Spit-acular Saliva. <i>Current Tropical Medicine Reports</i> , 2016, 3, 40-50.	3.7	8
53	Epigenetic Regulation of Tick Biology and Vectorial Capacity. <i>Trends in Genetics</i> , 2021, 37, 8-11.	6.7	8
54	The genus <i>Anaplasma</i> : drawing back the curtain on tick-pathogen interactions. <i>Pathogens and Disease</i> , 2021, 79, .	2.0	7

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55	A Nod to disease vectors: mitigation of pathogen sensing by arthropod saliva. <i>Frontiers in Microbiology</i> , 2013, 4, 308.	3.5	5