

Ryan O M Rego

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,408
citations

430874

18
h-index

361022

35
g-index

40
all docs

40
docs citations

40
times ranked

1651
citing authors

#	ARTICLE	IF	CITATIONS
1	Tick-Pathogen Interactions and Vector Competence: Identification of Molecular Drivers for Tick-Borne Diseases. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 114.	3.9	321
2	Phylogeny and biogeography of Triatominae (Hemiptera: Reduviidae): molecular evidence of a New World origin of the Asiatic clade. <i>Molecular Phylogenetics and Evolution</i> , 2002, 23, 447-457.	2.7	174
3	Europe-Wide Meta-Analysis of <i>Borrelia burgdorferi</i> Sensu Lato Prevalence in Questing <i>Ixodes ricinus</i> Ticks. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	138
4	Counterattacking the tick bite: towards a rational design of anti-tick vaccines targeting pathogen transmission. <i>Parasites and Vectors</i> , 2019, 12, 229.	2.5	79
5	Defining the Plasmid-Borne Restriction-Modification Systems of the Lyme Disease Spirochete <i>Borrelia burgdorferi</i> . <i>Journal of Bacteriology</i> , 2011, 193, 1161-1171.	2.2	77
6	Population Bottlenecks during the Infectious Cycle of the Lyme Disease Spirochete <i>Borrelia burgdorferi</i> . <i>PLoS ONE</i> , 2014, 9, e101009.	2.5	60
7	Microbiomes of North American Triatominae: The Grounds for Chagas Disease Epidemiology. <i>Frontiers in Microbiology</i> , 2018, 9, 1167.	3.5	57
8	ANTIDotE: anti-tick vaccines to prevent tick-borne diseases in Europe. <i>Parasites and Vectors</i> , 2014, 7, 77.	2.5	47
9	Molecular cloning and comparative analysis of fibrinogen-related proteins from the soft tick <i>Ornithodoros moubata</i> and the hard tick <i>Ixodes ricinus</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2005, 35, 991-1004.	2.7	45
10	The tick plasma lectin, Dorin M, is a fibrinogen-related molecule. <i>Insect Biochemistry and Molecular Biology</i> , 2006, 36, 291-299.	2.7	44
11	<i>Ixodes ricinus defensins</i> attack distantly-related pathogens. <i>Developmental and Comparative Immunology</i> , 2015, 53, 358-365.	2.3	32
12	Ticks infected via co-feeding transmission can transmit Lyme borreliosis to vertebrate hosts. <i>Scientific Reports</i> , 2017, 7, 5006.	3.3	31
13	Competitive Advantage of <i>Borrelia burgdorferi</i> with Outer Surface Protein BBA03 during Tick-Mediated Infection of the Mammalian Host. <i>Infection and Immunity</i> , 2012, 80, 3501-3511.	2.2	28
14	Defensins from the tick <i>Ixodes scapularis</i> are effective against phytopathogenic fungi and the human bacterial pathogen <i>Listeria grayi</i> . <i>Parasites and Vectors</i> , 2014, 7, 554.	2.5	28
15	Identification and partial characterisation of new members of the <i>Ixodes ricinus defensin</i> family. <i>Gene</i> , 2014, 540, 146-152.	2.2	23
16	Tick-Pathogen Ensembles: Do Molecular Interactions Lead Ecological Innovation?. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 74.	3.9	22
17	<i>Borrelia burgdorferi</i> Linear Plasmid 38 Is Dispensable for Completion of the Mouse-Tick Infectious Cycle. <i>Infection and Immunity</i> , 2011, 79, 3510-3517.	2.2	21
18	Characterization of <i>Ixodes ricinus</i> Fibrinogen-Related Proteins (Ixoderins) Discloses Their Function in the Tick Innate Immunity. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 509.	3.9	20

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19	A bite so sweet: the glycobiology interface of tick-host-pathogen interactions. <i>Parasites and Vectors</i> , 2018, 11, 594.	2.5	20
20	Correlative cryo-fluorescence and cryo-scanning electron microscopy as a straightforward tool to study host-pathogen interactions. <i>Scientific Reports</i> , 2015, 5, 18029.	3.3	17
21	Defensin from the ornate sheep tick <i>Dermacentor marginatus</i> and its effect on Lyme borreliosis spirochetes. <i>Developmental and Comparative Immunology</i> , 2014, 46, 165-170.	2.3	16
22	Tick Bites Induce Anti-Î±-Gal Antibodies in Dogs. <i>Vaccines</i> , 2019, 7, 114.	4.4	16
23	Host tropism determination by convergent evolution of immunological evasion in the Lyme disease system. <i>PLoS Pathogens</i> , 2021, 17, e1009801.	4.7	16
24	Pleomorphism and Viability of the Lyme Disease Pathogen <i>Borrelia burgdorferi</i> Exposed to Physiological Stress Conditions: A Correlative Cryo-Fluorescence and Cryo-Scanning Electron Microscopy Study. <i>Frontiers in Microbiology</i> , 2017, 8, 596.	3.5	15
25	Novel targets and strategies to combat borreliosis. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 1915-1925.	3.6	12
26	Karyotype changes in long-term cultured tick cell lines. <i>Scientific Reports</i> , 2020, 10, 13443.	3.3	10
27	Nanomechanical mechanisms of Lyme disease spirochete motility enhancement in extracellular matrix. <i>Communications Biology</i> , 2021, 4, 268.	4.4	9
28	The need to unravel the twisted nature of the <i>Borrelia burgdorferi</i> sensu lato complex across Europe. <i>Microbiology (United Kingdom)</i> , 2020, 166, 428-435.	1.8	8
29	Competition between strains of <i>Borrelia afzelii</i> in the host tissues and consequences for transmission to ticks. <i>ISME Journal</i> , 2021, 15, 2390-2400.	9.8	7
30	Epigenomic Landscape of Lyme Disease Spirochetes Reveals Novel Motifs. <i>MBio</i> , 2021, 12, e0128821.	4.1	4
31	Histone Methyltransferase DOT1L Is Involved in Larval Molting and Second Stage Nymphal Feeding in <i>Ornithodoros moubata</i> . <i>Vaccines</i> , 2020, 8, 157.	4.4	3
32	Tick lectins and fibrinogen-related proteins. , 0, , 127-142.		2
33	Editorial: Biological Drivers of Vector-Pathogen Interactions. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 609495.	3.9	2
34	Resonance assignment and secondary structure of DbpA protein from the European species, <i>Borrelia afzelii</i> . <i>Biomolecular NMR Assignments</i> , 2021, 15, 415-420.	0.8	1
35	Infestation of laboratory colonies of the soft tick, <i>Ornithodoros moubata</i> Murray 1877 (Acari: Tj ETQq1 1 0.784314 rgBT /Overlock 10	0.6	1
36	Understanding the innate immune system of ticks. , 2016, , .		0