

Patricia A Rosa

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,868
citations

623734

14
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

883
citing authors

#	ARTICLE	IF	CITATIONS
1	Outer-surface protein C of the Lyme disease spirochete: A protein induced in ticks for infection of mammals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 3142-3147.	7.1	373
2	<i>Borrelia burgdorferi</i> OspC Protein Required Exclusively in a Crucial Early Stage of Mammalian Infection. <i>Infection and Immunity</i> , 2006, 74, 3554-3564.	2.2	285
3	Profiling of Temperature-Induced Changes in <i>Borrelia burgdorferi</i> Gene Expression by Using Whole Genome Arrays. <i>Infection and Immunity</i> , 2003, 71, 1689-1705.	2.2	263
4	Efficient Targeted Mutagenesis in <i>Borrelia burgdorferi</i> . <i>Journal of Bacteriology</i> , 2000, 182, 2445-2452.	2.2	200
5	The burgeoning molecular genetics of the Lyme disease spirochaete. <i>Nature Reviews Microbiology</i> , 2005, 3, 129-143.	28.6	183
6	Experimental Assessment of the Roles of Linear Plasmids lp25 and lp28-1 of <i>Borrelia burgdorferi</i> throughout the Infectious Cycle. <i>Infection and Immunity</i> , 2004, 72, 5938-5946.	2.2	102
7	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
8	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
9	Protective Immunity and New Vaccines for Lyme Disease. <i>Clinical Infectious Diseases</i> , 2020, 70, 1768-1773.	5.8	50
10	Defining Plasmids Required by <i>Borrelia burgdorferi</i> for Colonization of Tick Vector <i>Ixodes scapularis</i> (Acari: Ixodidae). <i>Journal of Medical Entomology</i> , 2005, 42, 676-684.	1.8	47
11	A Filamentous Bacteriophage Protein Inhibits Type IV Pili To Prevent Superinfection of <i>Pseudomonas aeruginosa</i> . <i>MBio</i> , 2022, 13, e0244121.	4.1	31
12	Fluorescent Proteins, Promoters, and Selectable Markers for Applications in the Lyme Disease Spirochete <i>Borrelia burgdorferi</i> . <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	26
13	Infection history of the blood-meal host dictates pathogenic potential of the Lyme disease spirochete within the feeding tick vector. <i>PLoS Pathogens</i> , 2018, 14, e1006959.	4.7	26
14	A widely conserved bacterial cytoskeletal component influences unique helical shape and motility of the spirochete <i>Leptospira biflexa</i> . <i>Molecular Microbiology</i> , 2018, 108, 77-89.	2.5	24
15	<i>Borrelia burgdorferi</i> SpoVG DNA- and RNA-Binding Protein Modulates the Physiology of the Lyme Disease Spirochete. <i>Journal of Bacteriology</i> , 2018, 200, .	2.2	20
16	Virulence of the Lyme disease spirochete before and after the tick bloodmeal: a quantitative assessment. <i>Parasites and Vectors</i> , 2016, 9, 129.	2.5	18
17	Physiologic and Genetic Factors Influencing the Zoonotic Cycle of <i>Borrelia burgdorferi</i> . <i>Current Topics in Microbiology and Immunology</i> , 2017, 415, 63-82.	1.1	17
18	A CRISPR Interference Platform for Selective Downregulation of Gene Expression in <i>Borrelia burgdorferi</i> . <i>Applied and Environmental Microbiology</i> , 2021, 87, .	3.1	16

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19	Functional Equivalence of OspA and OspB, but Not OspC, in Tick Colonization by <i>Borrelia burgdorferi</i> . <i>Infection and Immunity</i> , 2016, 84, 1565-1573.	2.2	15
20	Long-Term Survival of <i>Borrelia burgdorferi</i> Lacking the Hibernation Promotion Factor Homolog in the Unfed Tick Vector. <i>Infection and Immunity</i> , 2015, 83, 4800-4810.	2.2	13
21	The Lyme disease spirochete's BpuR DNA/RNA-binding protein is differentially expressed during the mammal-tick infectious cycle, which affects translation of the SodA superoxide dismutase. <i>Molecular Microbiology</i> , 2019, 112, 973-991.	2.5	11
22	Visualization of Spirochetes by Labeling Membrane Proteins With Fluorescent Biarsenical Dyes. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 287.	3.9	6
23	Epigenomic Landscape of Lyme Disease Spirochetes Reveals Novel Motifs. <i>MBio</i> , 2021, 12, e0128821.	4.1	4
24	Probing the Role of <i>bba30</i> , a Highly Conserved Gene of the Lyme Disease Spirochete, Throughout the Mouse-Tick Infectious Cycle. <i>Infection and Immunity</i> , 2021, 89, e0033321.	2.2	1