

Jean Jacques Letesson

List of Publications by Year in descending order

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104
papers

6,407
citations

53660

45
h-index

74018

75
g-index

104
all docs

104
docs citations

104
times ranked

4345
citing authors

#	ARTICLE	IF	CITATIONS
1	Pathogenicity and Its Implications in Taxonomy: The <i>Brucella</i> and <i>Ochrobactrum</i> Case. <i>Pathogens</i> , 2022, 11, 377.	1.2	19
2	Convergent evolution of zoonotic <i>Brucella</i> species toward the selective use of the pentose phosphate pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26374-26381.	3.3	13
3	Glucose Oxidation to Pyruvate Is Not Essential for <i>Brucella suis</i> Biovar 5 Virulence in the Mouse Model. <i>Frontiers in Microbiology</i> , 2020, 11, 620049.	1.5	2
4	Route of Infection Strongly Impacts the Host-Pathogen Relationship. <i>Frontiers in Immunology</i> , 2019, 10, 1589.	2.2	29
5	3D correlative electron microscopy reveals continuity of <i>Brucella</i> -containing vacuoles with the endoplasmic reticulum. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	40
6	Mitochondrial fragmentation affects neither the sensitivity to TNF α -induced apoptosis of <i>Brucella</i> -infected cells nor the intracellular replication of the bacteria. <i>Scientific Reports</i> , 2018, 8, 5173.	1.6	17
7	<i>Brucella</i> central carbon metabolism: an update. <i>Critical Reviews in Microbiology</i> , 2018, 44, 182-211.	2.7	34
8	Allergic Asthma Favors <i>Brucella</i> Growth in the Lungs of Infected Mice. <i>Frontiers in Immunology</i> , 2018, 9, 1856.	2.2	21
9	Transposon Sequencing of <i>Brucella abortus</i> Uncovers Essential Genes for Growth <i>In Vitro</i> and Inside Macrophages. <i>Infection and Immunity</i> , 2018, 86, .	1.0	47
10	CtrA controls cell division and outer membrane composition of the pathogen <i>Brucella abortus</i> . <i>Molecular Microbiology</i> , 2017, 103, 780-797.	1.2	39
11	Field performance of six <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> antigens in a 20 h interferon gamma release assay in Belgium. <i>Veterinary Immunology and Immunopathology</i> , 2017, 189, 17-27.	0.5	8
12	Chronic <i>Brucella</i> Infection Induces Selective and Persistent Interferon Gamma-Dependent Alterations of Marginal Zone Macrophages in the Spleen. <i>Infection and Immunity</i> , 2017, 85, .	1.0	11
13	<i>Trypanosoma</i> Infection Favors <i>Brucella</i> Elimination via IL-12/IFN γ -Dependent Pathways. <i>Frontiers in Immunology</i> , 2017, 8, 903.	2.2	25
14	<i>Brucella</i> Genital Tropism: What's on the Menu. <i>Frontiers in Microbiology</i> , 2017, 8, 506.	1.5	27
15	Erythritol Availability in Bovine, Murine and Human Models Highlights a Potential Role for the Host Aldose Reductase during <i>Brucella</i> Infection. <i>Frontiers in Microbiology</i> , 2017, 8, 1088.	1.5	20
16	Virulence and immunogenicity of genetically defined human and porcine isolates of <i>M. avium</i> subsp. <i>hominissuis</i> in an experimental mouse infection. <i>PLoS ONE</i> , 2017, 12, e0171895.	1.1	15
17	Identification of Immune Effectors Essential to the Control of Primary and Secondary Intranasal Infection with <i>Brucella melitensis</i> in Mice. <i>Journal of Immunology</i> , 2016, 196, 3780-3793.	0.4	54
18	<i>Brucella</i> , nitrogen and virulence. <i>Critical Reviews in Microbiology</i> , 2016, 42, 507-525.	2.7	36

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19	In Situ Characterization of Splenic <i>Brucella melitensis</i> Reservoir Cells during the Chronic Phase of Infection in Susceptible Mice. PLoS ONE, 2015, 10, e0137835.	1.1	25
20	Mitochondria: A target for bacteria. Biochemical Pharmacology, 2015, 94, 173-185.	2.0	74
21	<i>Brucella abortus</i> Cell Cycle and Infection Are Coordinated. Trends in Microbiology, 2015, 23, 812-821.	3.5	41
22	Erythritol feeds the pentose phosphate pathway via three new isomerases leading to D-erythrose-4-phosphate in <i>Brucella</i> . Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17815-17820.	3.3	53
23	G1-arrested newborn cells are the predominant infectious form of the pathogen <i>Brucella abortus</i> . Nature Communications, 2014, 5, 4366.	5.8	100
24	Humoral Immunity and CD4+ Th1 Cells Are Both Necessary for a Fully Protective Immune Response upon Secondary Infection with <i>Brucella melitensis</i> . Journal of Immunology, 2014, 192, 3740-3752.	0.4	81
25	Replication of <i>Brucella abortus</i> and <i>Brucella melitensis</i> in fibroblasts does not require Atg5-dependent macroautophagy. BMC Microbiology, 2014, 14, 223.	1.3	14
26	<i>Brucella melitensis</i> Invades Murine Erythrocytes during Infection. Infection and Immunity, 2014, 82, 3927-3938.	1.0	42
27	<i>Brucella abortus</i> Depends on Pyruvate Phosphate Dikinase and Malic Enzyme but Not on Fbp and GlpX Fructose-1,6-Bisphosphatases for Full Virulence in Laboratory Models. Journal of Bacteriology, 2014, 196, 3045-3057.	1.0	43
28	The <i>Brucella</i> pathogens are polarized bacteria. Microbes and Infection, 2013, 15, 998-1004.	1.0	29
29	Innate immune recognition of flagellin limits systemic persistence of <i>Brucella</i> . Cellular Microbiology, 2013, 15, 942-960.	1.1	38
30	<i>Brucella melitensis</i> MucR, an Orthologue of <i>Sinorhizobium meliloti</i> MucR, Is Involved in Resistance to Oxidative, Detergent, and Saline Stresses and Cell Envelope Modifications. Journal of Bacteriology, 2013, 195, 453-465.	1.0	57
31	BtpB, a novel <i>Brucella</i> TIR-containing effector protein with immune modulatory functions. Frontiers in Cellular and Infection Microbiology, 2013, 3, 28.	1.8	110
32	Quorum Sensing and Self-Quorum Quenching in the Intracellular Pathogen <i>Brucella melitensis</i> . PLoS ONE, 2013, 8, e82514.	1.1	34
33	In Situ Microscopy Analysis Reveals Local Innate Immune Response Developed around <i>Brucella</i> Infected Cells in Resistant and Susceptible Mice. PLoS Pathogens, 2012, 8, e1002575.	2.1	101
34	The Histidine Kinase PdhS Controls Cell Cycle Progression of the Pathogenic Alphaproteobacterium <i>Brucella abortus</i> . Journal of Bacteriology, 2012, 194, 5305-5314.	1.0	22
35	The two-component system PrIS/PrIR of <i>Brucella melitensis</i> is required for persistence in mice and appears to respond to ionic strength. Microbiology (United Kingdom), 2012, 158, 2642-2651.	0.7	15
36	Crucial Role of Gamma Interferon-Producing CD4 ⁺ Th1 Cells but Dispensable Function of CD8 ⁺ T Cell, B Cell, Th2, and Th17 Responses in the Control of <i>Brucella melitensis</i> Infection in Mice. Infection and Immunity, 2012, 80, 4271-4280.	1.0	109

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37	Small GTPases and <i>Brucella</i> entry into the endoplasmic reticulum. Biochemical Society Transactions, 2012, 40, 1348-1352.	1.6	13
38	Immunogenicity of eight Mycobacterium avium subsp. paratuberculosis specific antigens in DNA vaccinated and Map infected mice. Veterinary Immunology and Immunopathology, 2012, 145, 74-85.	0.5	17
39	Structural analysis of Brucella abortus RicA substitutions that do not impair interaction with human Rab2 GTPase. BMC Biochemistry, 2012, 13, 16.	4.4	8
40	A Brucella abortus cstA mutant is defective for association with endoplasmic reticulum exit sites and displays altered trafficking in HeLa cells. Microbiology (United Kingdom), 2012, 158, 2610-2618.	0.7	8
41	Identification of a Brucella spp. secreted effector specifically interacting with human small GTPase Rab2. Cellular Microbiology, 2011, 13, 1044-1058.	1.1	119
42	<i>Brucella</i> adaptation and survival at the crossroad of metabolism and virulence. FEBS Letters, 2011, 585, 2929-2934.	1.3	54
43	The alkylation response protein AidB is localized at the new poles and constriction sites in Brucella abortus. BMC Microbiology, 2011, 11, 257.	1.3	16
44	Role of FlbT in flagellin production in Brucella melitensis. Microbiology (United Kingdom), 2011, 157, 1253-1262.	0.7	25
45	RpoE1, an extracytoplasmic function sigma factor, is a repressor of the flagellar system in Brucella melitensis. Microbiology (United Kingdom), 2011, 157, 1263-1268.	0.7	23
46	Overproduced Brucella abortus PdhS-mCherry forms soluble aggregates in Escherichia coli, partially associating with mobile foci of IbpA-YFP. BMC Microbiology, 2010, 10, 248.	1.3	16
47	Morphological analysis of the sheathed flagellum of Brucella melitensis. BMC Research Notes, 2010, 3, 333.	0.6	28
48	<i>Brucella melitensis</i> 16M produces a mannan and other extracellular matrix components typical of a biofilm. FEMS Immunology and Medical Microbiology, 2010, 59, 364-377.	2.7	29
49	PdhS, an Old-Pole-Localized Histidine Kinase, Recruits the Fumarase FumC in <i>Brucella abortus</i> . Journal of Bacteriology, 2010, 192, 3235-3239.	1.0	34
50	Global Analysis of Quorum Sensing Targets in the Intracellular Pathogen <i>Brucella melitensis</i> 16 M. Journal of Proteome Research, 2010, 9, 3200-3217.	1.8	70
51	Functional Characterization of the Incomplete Phosphotransferase System (PTS) of the Intracellular Pathogen Brucella melitensis. PLoS ONE, 2010, 5, e12679.	1.1	39
52	Identification of the Essential Brucella melitensis Porin Omp2b as a Suppressor of Bax-Induced Cell Death in Yeast in a Genome-Wide Screening. PLoS ONE, 2010, 5, e13274.	1.1	27
53	Correlations between Carbon Metabolism and Virulence in Bacteria. Contributions To Microbiology, 2009, 16, 88-102.	2.1	115
54	DNA polymorphism analysis of Brucella lipopolysaccharide genes reveals marked differences in O-polysaccharide biosynthetic genes between smooth and rough Brucella species and novel species-specific markers. BMC Microbiology, 2009, 9, 92.	1.3	50

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55	Use of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> specific coding sequences for serodiagnosis of bovine paratuberculosis. <i>Veterinary Microbiology</i> , 2009, 135, 313-319.	0.8	20
56	Design and implementation of a database for <i>Brucella melitensis</i> genome annotation. <i>Veterinary Microbiology</i> , 2008, 127, 369-378.	0.8	0
57	Immunogenicity and protective efficacy of DNA vaccines encoding MAP0586c and MAP4308c of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> secretome. <i>Vaccine</i> , 2008, 26, 4783-4794.	1.7	24
58	Brucellosis Vaccines: Assessment of <i>Brucella melitensis</i> Lipopolysaccharide Rough Mutants Defective in Core and O-Polysaccharide Synthesis and Export. <i>PLoS ONE</i> , 2008, 3, e2760.	1.1	159
59	Gateway-Based Destination Vectors for Functional Analyses of Bacterial ORFeomes: Application to the Min System in <i>Brucella abortus</i> . <i>Applied and Environmental Microbiology</i> , 2007, 73, 1375-1379.	1.4	57
60	MyD88-Dependent Activation of B220 ⁺ CD11b ⁺ LY-6C ⁺ Dendritic Cells during <i>Brucella melitensis</i> Infection. <i>Journal of Immunology</i> , 2007, 178, 5182-5191.	0.4	155
61	Mutations of the Quorum Sensing-Dependent Regulator VjbR Lead to Drastic Surface Modifications in <i>Brucella melitensis</i> . <i>Journal of Bacteriology</i> , 2007, 189, 6035-6047.	1.0	76
62	The asymmetric distribution of the essential histidine kinase PdhS indicates a differentiation event in <i>Brucella abortus</i> . <i>EMBO Journal</i> , 2007, 26, 1444-1455.	3.5	70
63	The stringent response mediator Rsh is required for <i>Brucella melitensis</i> and <i>Brucella suis</i> virulence, and for expression of the type IV secretion system <i>virB</i> . <i>Cellular Microbiology</i> , 2006, 8, 1791-1802.	1.1	98
64	An RpoH-Like Heat Shock Sigma Factor Is Involved in Stress Response and Virulence in <i>Brucella melitensis</i> 16M. <i>Journal of Bacteriology</i> , 2006, 188, 7707-7710.	1.0	67
65	NnrA Is Required for Full Virulence and Regulates Several <i>Brucella melitensis</i> Denitrification Genes. <i>Journal of Bacteriology</i> , 2006, 188, 1615-1619.	1.0	56
66	A quorum-sensing regulator controls expression of both the type IV secretion system and the flagellar apparatus of <i>Brucella melitensis</i> . <i>Cellular Microbiology</i> , 2005, 7, 1151-1161.	1.1	153
67	Systematic Targeted Mutagenesis of <i>Brucella melitensis</i> 16M Reveals a Major Role for GntR Regulators in the Control of Virulence. <i>Infection and Immunity</i> , 2005, 73, 5578-5586.	1.0	92
68	From the discovery of the Malta fever's agent to the discovery of a marine mammal reservoir, brucellosis has continuously been a re-emerging zoonosis. <i>Veterinary Research</i> , 2005, 36, 313-326.	1.1	475
69	Generation of the <i>Brucella melitensis</i> ORFeome Version 1.1. <i>Genome Research</i> , 2004, 14, 2201-2206.	2.4	77
70	The Ton System, an ABC Transporter, and a Universally Conserved GTPase Are Involved in Iron Utilization by <i>Brucella melitensis</i> 16M. <i>Infection and Immunity</i> , 2004, 72, 5783-5790.	1.0	35
71	Brucellapathogenesis, genes identified from random large-scale screens. <i>FEMS Microbiology Letters</i> , 2004, 231, 1-12.	0.7	81
72	First synthesis of 3-O-methyl-scyllo-inosamine, a natural product which favors the <i>Rhizobium</i> "Leguminosae symbiosis. <i>Tetrahedron Letters</i> , 2004, 45, 1461-1463.	0.7	11

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73	Morphological and functional asymmetry in $\hat{\pm}$ -proteobacteria. Trends in Microbiology, 2004, 12, 361-365.	3.5	116
74	<i>Yersinia enterocolitica</i> as a Vehicle for a Naked DNA Vaccine Encoding <i>Brucella abortus</i> Bacterioferritin or P39 Antigen. Infection and Immunity, 2002, 70, 1915-1923.	1.0	57
75	Effect of omp10 or omp19 Deletion on <i>Brucella abortus</i> Outer Membrane Properties and Virulence in Mice. Infection and Immunity, 2002, 70, 5540-5546.	1.0	56
76	The genome sequence of the facultative intracellular pathogen <i>Brucella melitensis</i> . Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 443-448.	3.3	513
77	Identification of a Quorum-Sensing Signal Molecule in the Facultative Intracellular Pathogen <i>Brucella melitensis</i> . Infection and Immunity, 2002, 70, 3004-3011.	1.0	80
78	How to substantiate eradication of bovine brucellosis when aspecific serological reactions occur in the course of brucellosis testing. Veterinary Microbiology, 2002, 90, 461-477.	0.8	115
79	Plasticity of a transcriptional regulation network among alpha-proteobacteria is supported by the identification of CtrA targets in <i>Brucella abortus</i> . Molecular Microbiology, 2002, 43, 945-960.	1.2	80
80	Comparison between $\hat{\sim}$ IgY technology $\hat{\sim}$ ™ from chickens and $\hat{\sim}$ IgG technology $\hat{\sim}$ ™ from mice for production of tailor-made antibodies. Tetrahedron Letters, 2002, 43, 1843-1846.	0.7	12
81	Selection of Phage-displayed Peptides Recognised by Monoclonal Antibodies Directed against the Lipopolysaccharide of <i>Brucella</i> . International Reviews of Immunology, 2001, 20, 181-199.	1.5	23
82	Identification of <i>Brucella</i> spp. genes involved in intracellular trafficking. Cellular Microbiology, 2001, 3, 487-497.	1.1	209
83	Induction of Immune Response in BALB/c Mice with a DNA Vaccine Encoding Bacterioferritin or P39 of <i>Brucella</i> spp. Infection and Immunity, 2001, 69, 6264-6270.	1.0	59
84	Protection of BALB/c Mice against <i>Brucella abortus</i> 544 Challenge by Vaccination with Bacterioferritin or P39 Recombinant Proteins with CpG Oligodeoxynucleotides as Adjuvant. Infection and Immunity, 2001, 69, 4816-4822.	1.0	122
85	Molecular, Antigenic, and Functional Analyses of Omp2b Porin Size Variants of <i>Brucella</i> spp. Journal of Bacteriology, 2001, 183, 4839-4847.	1.0	37
86	Recognition of $\hat{2}$ -Ketoalcohol-derived Haptens by Tailor-made Antibodies. Synlett, 2001, 2001, 0931-0936.	1.0	4
87	Identification and characterization of in vivo attenuated mutants of <i>Brucella melitensis</i> . Molecular Microbiology, 2000, 38, 543-551.	1.2	158
88	Conservation of seven genes involved in the biosynthesis of the lipopolysaccharide O-side chain in <i>Brucella</i> spp.. Research in Microbiology, 2000, 151, 209-216.	1.0	29
89	Genetic organisation of the lipopolysaccharide O-antigen biosynthesis region of <i>Brucella melitensis</i> 16M (wbk). Research in Microbiology, 2000, 151, 655-668.	1.0	104
90	Antigenic properties of peptidic mimics for epitopes of the lipopolysaccharide from <i>Brucella</i> 1 1 Edited by J. Karn. Journal of Molecular Biology, 1999, 294, 181-191.	2.0	36

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91	Serological cross-reactivity between <i>Brucella abortus</i> and <i>Yersinia enterocolitica</i> O:9. <i>Veterinary Microbiology</i> , 1998, 60, 45-57.	0.8	41
92	Expression of Lamp-1 and Lamp-2 and their interactions with galectin-3 in human tumor cells. , 1998, 75, 105-111.		94
93	Phenotypic and molecular characterization of a <i>Brucella</i> strain isolated from a minke whale (<i>Balaenoptera acutorostrata</i>). <i>Microbiology (United Kingdom)</i> , 1998, 144, 3267-3273.	0.7	84
94	Identification of the Perosamine Synthetase Gene of <i>Brucella melitensis</i> 16M and Involvement of Lipopolysaccharide O Side Chain in <i>Brucella</i> Survival in Mice and in Macrophages. <i>Infection and Immunity</i> , 1998, 66, 5485-5493.	1.0	117
95	Identification of the major T-cell antigens present in the <i>Brucella melitensis</i> B115 protein preparation, Brucellergene OCB. <i>Journal of Medical Microbiology</i> , 1997, 46, 801-806.	0.7	35
96	Humoral immune responses of <i>Brucella</i> -infected cattle, sheep, and goats to eight purified recombinant <i>Brucella</i> proteins in an indirect enzyme-linked immunosorbent assay. <i>Vaccine Journal</i> , 1997, 4, 556-564.	2.6	87
97	Characterization, occurrence, and molecular cloning of a 39-kilodalton <i>Brucella abortus</i> cytoplasmic protein immunodominant in cattle. <i>Infection and Immunity</i> , 1997, 65, 495-502.	1.0	25
98	Characterization of smooth lipopolysaccharides and O polysaccharides of <i>Brucella</i> species by competition binding assays with monoclonal antibodies. <i>Infection and Immunity</i> , 1997, 65, 1939-1943.	1.0	55
99	Infection of cattle with <i>Yersinia enterocolitica</i> O:9 a cause of the false positive serological reactions in bovine brucellosis diagnostic tests. <i>Veterinary Microbiology</i> , 1996, 48, 101-112.	0.8	75
100	Characterization of a monoclonal antibody specific for <i>Brucella</i> smooth lipopolysaccharide and development of a competitive enzyme-linked immunosorbent assay to improve the serological diagnosis of brucellosis. <i>Vaccine Journal</i> , 1996, 3, 309-314.	2.6	23
101	Cloning and sequencing of the bacterioferritin gene of <i>Brucella melitensis</i> 16M strain. <i>FEBS Letters</i> , 1995, 361, 238-242.	1.3	37
102	Molecular cloning, nucleotide sequence, and occurrence of a 16.5-kilodalton outer membrane protein of <i>Brucella abortus</i> with similarity to pal lipoproteins. <i>Infection and Immunity</i> , 1994, 62, 3633-3639.	1.0	69
103	6.6 Production of a monoclonal antibody to the light chain of the bovine β_2 -integrin family (BoCD18). <i>Veterinary Immunology and Immunopathology</i> , 1993, 39, 103-108.	0.5	10
104	Monoclonal antibody specific for bovine CD 5 antigen which enhances mitogen-induced blastogenesis and IL-2 production. <i>Veterinary Immunology and Immunopathology</i> , 1990, 25, 249-257.	0.5	3