Ignacio Moriyon

List of Publications by Year in descending order

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147 papers	8,003 citations	44069 48 h-index	56724 83 g-index
151 all docs	151 docs citations	151 times ranked	4800 citing authors

#	Article	IF	Citations
1	Efficacy of Brucella abortus S19 and RB51 vaccine strains: A systematic review and metaâ€analysis. Transboundary and Emerging Diseases, 2022, 69, 1670-1673.	3.0	3
2	Pseudochrobactrum algeriensis sp. nov., isolated from lymph nodes of Algerian cattle. International Journal of Systematic and Evolutionary Microbiology, 2022, 72, .	1.7	6
3	A Brucella melitensis H38Î”wbkF rough mutant protects against Brucella ovis in rams. Veterinary Research, 2022, 53, 16.	3.0	3
4	Pathogenicity and Its Implications in Taxonomy: The Brucella and Ochrobactrum Case. Pathogens, 2022, 11, 377.	2.8	19
5	Facing the Human and Animal Brucellosis Conundrums: The Forgotten Lessons. Microorganisms, 2022, 10, 942.	3.6	14
6	The Phospholipid N-Methyltransferase and Phosphatidylcholine Synthase Pathways and the ChoXWV Choline Uptake System Involved in Phosphatidylcholine Synthesis Are Widely Conserved in Most, but Not All Brucella Species. Frontiers in Microbiology, 2021, 12, 614243.	3.5	6
7	Hospital-based evidence on cost-effectiveness of brucellosis diagnostic tests and treatment in Kenyan hospitals. PLoS Neglected Tropical Diseases, 2021, 15, e0008977.	3.0	11
8	Title is missing!. , 2021, 15, e0008977.		0
9	Title is missing!. , 2021, 15, e0008977.		0
10	Title is missing!. , 2021, 15, e0008977.		0
11	Title is missing!. , 2021, 15, e0008977.		0
12	Convergent evolution of zoonotic Brucella species toward the selective use of the pentose phosphate pathway. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26374-26381.	7.1	13
13	Development of attenuated live vaccine candidates against swine brucellosis in a non-zoonotic B. suis biovar 2 background. Veterinary Research, 2020, 51, 92.	3.0	6
14	Disruption of pyruvate phosphate dikinase in Brucella ovis PA CO2-dependent and independent strains generates attenuation in the mouse model. Veterinary Research, 2020, 51, 101.	3.0	3
15	Glucose Oxidation to Pyruvate Is Not Essential for Brucella suis Biovar 5 Virulence in the Mouse Model. Frontiers in Microbiology, 2020, 11, 620049.	3.5	2
16	Genetic and Phenotypic Characterization of the Etiological Agent of Canine Orchiepididymitis Smooth Brucella sp. BCCN84.3. Frontiers in Veterinary Science, 2019, 6, 175.	2.2	18
17	Rev1 wbdR tagged vaccines against Brucella ovis. Veterinary Research, 2019, 50, 95.	3.0	8
18	Comparative performance of lateral flow immunochromatography, iELISA and Rose Bengal tests for the diagnosis of cattle, sheep, goat and swine brucellosis. PLoS Neglected Tropical Diseases, 2019, 13, e0007509.	3.0	28

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19	Molecular recognition of lipopolysaccharide by the lantibiotic nisin. Biochimica Et Biophysica Acta - Biomembranes, 2019, 1861, 83-92.	2.6	13
20	A systematic review of current immunological tests for the diagnosis of cattle brucellosis. Preventive Veterinary Medicine, 2018, 151, 57-72.	1.9	75
21	Vaccine development targeting lipopolysaccharide structure modification. Microbes and Infection, 2018, 20, 455-460.	1.9	9
22	Brucellacentral carbon metabolism: an update. Critical Reviews in Microbiology, 2018, 44, 182-211.	6.1	34
23	Immunomodulatory properties of Brucella melitensis lipopolysaccharide determinants on mouse dendritic cells in vitro and in vivo. Virulence, 2018, 9, 465-479.	4.4	24
24	WadD, a New Brucella Lipopolysaccharide Core Glycosyltransferase Identified by Genomic Search and Phenotypic Characterization. Frontiers in Microbiology, 2018, 9, 2293.	3.5	12
25	The prevalence of brucellosis and bovine tuberculosis in ruminants in Sidi Kacem Province, Morocco. PLoS ONE, 2018, 13, e0203360.	2.5	10
26	The CO2-dependence of Brucella ovis and Brucella abortus biovars is caused by defective carbonic anhydrases. Veterinary Research, 2018, 49, 85.	3.0	16
27	The Fast-Growing Brucella suis Biovar 5 Depends on Phosphoenolpyruvate Carboxykinase and Pyruvate Phosphate Dikinase but Not on Fbp and GlpX Fructose-1,6-Bisphosphatases or Isocitrate Lyase for Full Virulence in Laboratory Models. Frontiers in Microbiology, 2018, 9, 641.	3.5	10
28	Genomic Insertion of a Heterologous Acetyltransferase Generates a New Lipopolysaccharide Antigenic Structure in Brucella abortus and Brucella melitensis. Frontiers in Microbiology, 2018, 9, 1092.	3.5	16
29	Brucellosis in Sub-Saharan Africa: Current challenges for management, diagnosis and control. Acta Tropica, 2017, 165, 179-193.	2.0	171
30	The characterization of Brucella strains isolated from cattle in Algeria reveals the existence of a B. abortus lineage distinct from European and Sub-Saharan Africa strains. Veterinary Microbiology, 2017, 211, 124-128.	1.9	8
31	Prevalence of bovine brucellosis in slaughtered cattle and barriers to better protection of abattoir workers in Ibadan, South-Western Nigeria. Pan African Medical Journal, 2017, 28, 68.	0.8	17
32	Brucella Genital Tropism: What's on the Menu. Frontiers in Microbiology, 2017, 8, 506.	3.5	27
33	Erythritol Availability in Bovine, Murine and Human Models Highlights a Potential Role for the Host Aldose Reductase during Brucella Infection. Frontiers in Microbiology, 2017, 8, 1088.	3.5	20
34	Identification of lptA, lpxE, and lpxO, Three Genes Involved in the Remodeling of Brucella Cell Envelope. Frontiers in Microbiology, 2017, 8, 2657.	3.5	5
35	Poor performance of the rapid test for human brucellosis in health facilities in Kenya. PLoS Neglected Tropical Diseases, 2017, 11, e0005508.	3.0	52
36	Brucella, nitrogen and virulence. Critical Reviews in Microbiology, 2016, 42, 507-525.	6.1	36

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37	A review of the basis of the immunological diagnosis of ruminant brucellosis. Veterinary Immunology and Immunopathology, 2016, 171, 81-102.	1.2	75
38	Structural Studies of Lipopolysaccharide-defective Mutants from Brucella melitensis Identify a Core Oligosaccharide Critical in Virulence. Journal of Biological Chemistry, 2016, 291, 7727-7741.	3.4	76
39	Brucella CÎ²G induces a dual pro- and anti-inflammatory response leading to a transient neutrophil recruitment. Virulence, 2015, 6, 19-28.	4.4	13
40	Diagnostic performance of serological tests for swine brucellosis in the presence of false positive serological reactions. Journal of Microbiological Methods, 2015, 111, 57-63.	1.6	17
41	Raising the Political Profile of the Neglected Zoonotic Diseases: Three Complementary European Commission-Funded Projects to Streamline Research, Build Capacity and Advocate for Control. PLoS Neglected Tropical Diseases, 2015, 9, e0003505.	3.0	8
42	Phenotypic and genotypic characterization of Brucella strains isolated from autochthonous livestock reveals the dominance of B. abortus biovar 3a in Nigeria. Veterinary Microbiology, 2015, 180, 103-108.	1.9	17
43	Clinical and histological features of brucellin skin test responses in Brucella suis biovar 2 infected pigs. Veterinary Immunology and Immunopathology, 2015, 163, 77-85.	1.2	5
44	Erythritol feeds the pentose phosphate pathway via three new isomerases leading to D-erythrose-4-phosphate in Brucella. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 17815-17820.	7.1	53
45	Brucellosis as an Emerging Threat in Developing Economies: Lessons from Nigeria. PLoS Neglected Tropical Diseases, 2014, 8, e3008.	3.0	117
46	Performance of skin tests with allergens from B. melitensis B115 and rough B. abortus mutants for diagnosing swine brucellosis. Veterinary Microbiology, 2014, 168, 161-168.	1.9	14
47	The identification of wadB, a new glycosyltransferase gene, confirms the branched structure and the role in virulence of the lipopolysaccharide core of Brucella abortus. Microbial Pathogenesis, 2014, 73, 53-59.	2.9	32
48	Mutants in the lipopolysaccharide of Brucella ovis are attenuated and protect against B. ovis infection in mice. Veterinary Research, 2014, 45, 72.	3.0	34
49	Brucella abortus 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.	2.2	43
50	Mutants in the lipopolysaccharide of. Veterinary Research, 2014, 45, 72.	3.0	9
51	Interactions of lipopolysaccharide with lipid membranes, raft models â€" A solid state NMR study. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1731-1742.	2.6	19
52	Lipopolysaccharide as a target for brucellosis vaccine design. Microbial Pathogenesis, 2013, 58, 29-34.	2.9	38
53	Deletion of the GI-2 integrase and the wbkA flanking transposase improves the stability of Brucella melitensis Rev 1 vaccine. Veterinary Research, 2013, 44, 105.	3.0	9
54	Lipopolysaccharides with Acylation Defects Potentiate TLR4 Signaling and Shape T Cell Responses. PLoS ONE, 2013, 8, e55117.	2.5	13

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55	The Epitopic and Structural Characterization of Brucella suis Biovar 2 O-Polysaccharide Demonstrates the Existence of a New M-Negative C-Negative Smooth Brucella Serovar. PLoS ONE, 2013, 8, e53941.	2.5	37
56	The Lipopolysaccharide Core of Brucella abortus Acts as a Shield Against Innate Immunity Recognition. PLoS Pathogens, 2012, 8, e1002675.	4.7	140
57	Brucella Î² 1,2 Cyclic Glucan Is an Activator of Human and Mouse Dendritic Cells. PLoS Pathogens, 2012, 8, e1002983.	4.7	35
58	Comparative Genomics of Early-Diverging Brucella Strains Reveals a Novel Lipopolysaccharide Biosynthesis Pathway. MBio, 2012, 3, e00246-11.	4.1	33
59	Identification and functional analysis of the cyclopropane fatty acid synthase of Brucella abortus. Microbiology (United Kingdom), 2012, 158, 1037-1044.	1.8	17
60	Spontaneous Excision of the O-Polysaccharide wbkA Glycosyltranferase Gene Is a Cause of Dissociation of Smooth to Rough Brucella Colonies. Journal of Bacteriology, 2012, 194, 1860-1867.	2.2	18
61	Comparative Genomics of Early-Diverging Brucella Strains Reveals a Novel Lipopolysaccharide Biosynthesis Pathway. MBio, 2012, 3, e00246-12.	4.1	37
62	DGHM 2012. International Journal of Medical Microbiology, 2012, 302, 3-155.	3.6	2
63	What have we learned from brucellosis in the mouse model?. Veterinary Research, 2012, 43, 29.	3.0	210
64	Structural Features Governing the Activity of Lactoferricin-Derived Peptides That Act in Synergy with Antibiotics against Pseudomonas aeruginosa In Vitro and In Vivo. Antimicrobial Agents and Chemotherapy, 2011, 55, 218-228.	3.2	50
65	Brucellosis at the animal/ecosystem/human interface at the beginning of the 21st century. Preventive Veterinary Medicine, 2011, 102, 118-131.	1.9	315
66	Brucellosis seroprevalence in livestock in Uganda from 1998 to 2008: a retrospective study. Tropical Animal Health and Production, 2011, 43, 603-608.	1.4	25
67	Identification of new IS711 insertion sites in Brucella abortus field isolates. BMC Microbiology, 2011, 11, 176.	3.3	15
68	The Rose Bengal Test in Human Brucellosis: A Neglected Test for the Diagnosis of a Neglected Disease. PLoS Neglected Tropical Diseases, 2011, 5, e950.	3.0	139
69	Brucella abortus Ornithine Lipids Are Dispensable Outer Membrane Components Devoid of a Marked Pathogen-Associated Molecular Pattern. PLoS ONE, 2011, 6, e16030.	2.5	36
70	Eradication of bovine brucellosis in the Azores, Portugalâ€"Outcome of a 5-year programme (2002â€“2007) based on test-and-slaughter and RB51 vaccination. Preventive Veterinary Medicine, 2010, 94, 154-157.	1.9	10
71	Proteomics-based confirmation of protein expression and correction of annotation errors in the Brucella abortus genome. BMC Genomics, 2010, 11, 300.	2.8	36
72	Effective Antimicrobial and Anti-Endotoxin Activity of Cationic Peptides Based on Lactoferricin: A Biophysical and Microbiological Study. Anti-Infective Agents in Medicinal Chemistry, 2010, 9, 9-22.	0.6	9

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73	New Antiseptic Peptides To Protect against Endotoxin-Mediated Shock. Antimicrobial Agents and Chemotherapy, 2010, 54, 3817-3824.	3.2	111
74	Genomic Island 2 Is an Unstable Genetic Element Contributing toBrucellaLipopolysaccharide Spontaneous Smooth-to-Rough Dissociation. Journal of Bacteriology, 2010, 192, 6346-6351.	2.2	22
75	Structural prerequisites for endotoxic activity in the Limulus test as compared to cytokine production in mononuclear cells. Innate Immunity, 2010, 16, 39-47.	2.4	55
76	The Differential Interaction of Brucella and Ochrobactrum with Innate Immunity Reveals Traits Related to the Evolution of Stealthy Pathogens. PLoS ONE, 2009, 4, e5893.	2.5	60
77	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.	3.3	50
78	Is Brucella an enteric pathogen?. Nature Reviews Microbiology, 2009, 7, 250-250.	28.6	20
79	Rough mutants defective in core and O-polysaccharide synthesis and export induce antibodies reacting in an indirect ELISA with smooth lipopolysaccharide and are less effective than Rev 1 vaccine against Brucella melitensis infection of sheep. Vaccine, 2009, 27, 1741-1749.	3.8	61
80	Comparative analysis of selected methods for the assessment of antimicrobial and membrane-permeabilizing activity: a case study for lactoferricin derived peptides. BMC Microbiology, 2008, 8, 196.	3.3	40
81	Brucellosis Vaccines: Assessment of Brucella melitensis Lipopolysaccharide Rough Mutants Defective in Core and O-Polysaccharide Synthesis and Export. PLoS ONE, 2008, 3, e2760.	2.5	159
82	Rationale for the Design of Shortened Derivatives of the NK-lysin-derived Antimicrobial Peptide NK-2 with Improved Activity against Gram-negative Pathogens. Journal of Biological Chemistry, 2007, 282, 14719-14728.	3.4	72
83	BvrR/BvrS-Controlled Outer Membrane Proteins Omp3a and Omp3b Are Not Essential forBrucella abortusVirulence. Infection and Immunity, 2007, 75, 4867-4874.	2.2	45
84	Mechanism of interaction of optimized Limulus-derived cyclic peptides with endotoxins: thermodynamic, biophysical and microbiological analysis. Biochemical Journal, 2007, 406, 297-307.	3.7	61
85	The Acyl Group as the Central Element of the Structural Organization of Antimicrobial Lipopeptide. Journal of the American Chemical Society, 2007, 129, 1022-1023.	13.7	43
86	Extensive Cell Envelope Modulation Is Associated with Virulence inBrucella abortus. Journal of Proteome Research, 2007, 6, 1519-1529.	3.7	82
87	Thermodynamic Analysis of the Lipopolysaccharide-Dependent Resistance of Gram-Negative Bacteria against Polymyxin B. Biophysical Journal, 2007, 92, 2796-2805.	0.5	54
88	Brucella abortus Uses a Stealthy Strategy to Avoid Activation of the Innate Immune System during the Onset of Infection. PLoS ONE, 2007, 2, e631.	2.5	281
89	The Genus Brucella. , 2006, , 315-456.		75
90	Increases of efficacy as vaccine against Brucella abortus infection in mice by simultaneous inoculation with avirulent smooth bvrS/bvrR and rough wbkA mutants. Vaccine, 2006, 24, 2910-2916.	3.8	41

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91	Comparing Antimicrobial and Membrane Permeabilizing Activity of Peptides Derived from Human Cationic Proteins. , 2006, , 255-257.		0
92	Characterization of Brucella abortus lipopolysaccharide macrodomains as mega rafts. Cellular Microbiology, 2006, 8, 197-206.	2.1	39
93	Differential inductions of TNF-alpha and IGTP, IIGP by structurally diverse classic and non-classic lipopolysaccharides. Cellular Microbiology, 2006, 8, 401-413.	2.1	95
94	Synthesis of phosphatidylcholine, a typical eukaryotic phospholipid, is necessary for full virulence of the intracellular bacterial parasite Brucella abortus. Cellular Microbiology, 2006, 8, 1322-1335.	2.1	108
95	International Committee on Systematic Bacteriology; Subcommittee on the taxonomy of Brucella. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 1169-1170.	1.7	7
96	International Committee on Systematics of Prokaryotes; Subcommittee on the taxonomy of Brucella. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 1173-1175.	1.7	83
97	Efficacy of Several Serological Tests and Antigens for Diagnosis of Bovine Brucellosis in the Presence of False-Positive Serological Results Due to Yersinia enterocolitica O:9. Vaccine Journal, 2005, 12, 141-151.	2.6	107
98	Cyclic Î²-1,2-glucan is a brucella virulence factor required for intracellular survival. Nature Immunology, 2005, 6, 618-625.	14.5	241
99	Protection of Brucella abortus RB51 revaccinated cows. Comparative Immunology, Microbiology and Infectious Diseases, 2005, 28, 371-373.	1.6	6
100	Enhancement of endotoxin neutralization by coupling of a C12-alkyl chain to a lactoferricin-derived peptide. Biochemical Journal, 2005, 385, 135-143.	3.7	101
101	The Lipopolysaccharide of Brucella abortus BvrS/BvrR Mutants Contains Lipid A Modifications and Has Higher Affinity for Bactericidal Cationic Peptides. Journal of Bacteriology, 2005, 187, 5631-5639.	2.2	84
102	Brucella lipopolysaccharide acts as a virulence factor. Current Opinion in Microbiology, 2005, 8, 60-66.	5.1	263
103	Generation of the Brucella melitensis ORFeome Version 1.1. Genome Research, 2004, 14, 2201-2206.	5.5	77
104	Rough vaccines in animal brucellosis: Structural and genetic basis and present status. Veterinary Research, 2004, 35, 1-38.	3.0	240
105	A methodology for thrips larvae identification using protein profiles obtained by SDS-PAGE. BioControl, 2003, 48, 395-406.	2.0	4
106	Characterization of Brucella abortus O-Polysaccharide and Core Lipopolysaccharide Mutants and Demonstration that a Complete Core Is Required for Rough Vaccines To Be Efficient against Brucella abortus and Brucella ovis in the Mouse Model. Infection and Immunity, 2003, 71, 3261-3271.	2.2	106
107	Pathogenic Yersinia enterocolitica Strains Increase the Outer Membrane Permeability in Response to Environmental Stimuli by Modulating Lipopolysaccharide Fluidity and Lipid A Structure. Infection and Immunity, 2003, 71, 2014-2021.	2.2	36
108	Brucella melitensis: A nasty bug with hidden credentials for virulence. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1-3.	7.1	209

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109	The two-component system BvrR/BvrS essential for Brucella abortus virulence regulates the expression of outer membrane proteins with counterparts in members of the Rhizobiaceae. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12375-12380.	7.1	151
110	Brucella evolution and taxonomy. Veterinary Microbiology, 2002, 90, 209-227.	1.9	199
111	Regulation of Brucella virulence by the two-component system BvrR/BvrS. Veterinary Microbiology, 2002, 90, 329-339.	1.9	75
112	Biophysical investigations into the interaction of lipopolysaccharide with polymyxins. Thermochimica Acta, 2002, 382, 189-198.	2.7	49
113	The interaction of rough and smooth form lipopolysaccharides with polymyxins as studied by titration calorimetry. Thermochimica Acta, 2002, 394, 53-61.	2.7	27
114	Brucella abortus and Its Closest Phylogenetic Relative, Ochrobactrum spp., Differ in Outer Membrane Permeability and Cationic Peptide Resistance. Infection and Immunity, 2000, 68, 3210-3218.	2.2	89
115	Performance of Competitive and Indirect Enzyme-Linked Immunosorbent Assays, Gel Immunoprecipitation with Native Hapten Polysaccharide, and Standard Serological Tests in Diagnosis of Sheep Brucellosis. Vaccine Journal, 1999, 6, 269-272.	2.6	45
116	The lipopolysaccharide outer core of Yersinia enterocolitica serotype O:3 is required for virulence and plays a role in outer membrane integrity. Molecular Microbiology, 1999, 31, 1443-1462.	2.5	103
117	Structural studies on the lipopolysaccharide from a rough strain of Ochrobactrum anthropi containing a 2,3-diamino-2,3-dideoxy-d-glucose disaccharide lipid A backbone. Carbohydrate Research, 1998, 306, 283-290.	2.3	24
118	Diagnosis and epidemiology of Brucella ovis infection in rams. Small Ruminant Research, 1998, 29, 13-19.	1.2	22
119	A twoâ€component regulatory system playing a critical role in plant pathogens and endosymbionts is present inBrucella abortusand controls cell invasion and virulence. Molecular Microbiology, 1998, 29, 125-138.	2.5	264
120	Evaluation of the relatedness of Brucella spp. and Ochrobactrum anthropi and description of Ochrobactrum intermedium sp. nov., a new species with a closer relationship to Brucella spp.. International Journal of Systematic Bacteriology, 1998, 48, 759-768.	2.8	190
121	Yersinia pseudotuberculosis and Yersinia pestis show increased outer membrane permeability to hydrophobic agents which correlates with lipopolysaccharide acyl-chain fluidity. Microbiology (United Kingdom), 1998, 144, 1517-1526.	1.8	43
122	Yersinia pseudotuberculosis and Yersinia pestis are more resistant to bactericidal cationic peptides than Yersinia enterocolitica. Microbiology (United Kingdom), 1998, 144, 1509-1515.	1.8	50
123	Comparison of polyclonal, monoclonal and protein G peroxidase conjugates in an enzymeâ€linked immunosorbent assay for the diagnosis of Brucella ovis in sheep. Veterinary Record, 1998, 143, 390-394.	0.3	15
124	Antibody and delayed-type hypersensitivity responses to Ochrobactrum anthropi cytosolic and outer membrane antigens in infections by smooth and rough Brucella spp. Vaccine Journal, 1997, 4, 279-284.	2.6	27
125	Brucella-Salmonella lipopolysaccharide chimeras are less permeable to hydrophobic probes and more sensitive to cationic peptides and EDTA than are their native Brucella sp. counterparts. Journal of Bacteriology, 1996, 178, 5867-5876.	2.2	84
126	Characterization of Brucella abortus and Brucella melitensis native haptens as outer membrane O-type polysaccharides independent from the smooth lipopolysaccharide. Journal of Bacteriology, 1996, 178, 1070-1079.	2.2	90

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127	Determination of the O-specific polysaccharide structure in the lipopolysaccharide of Ochrobactrum anthropi LMG 3331. Carbohydrate Research, 1996, 287, 123-126.	2.3	15
128	Production of 2,3-dihydroxybenzoic acid by Brucella species. Current Microbiology, 1995, 31, 291-293.	2.2	15
129	Diagnosis of Brucella ovis infection of rams with an ELISA using protein G as conjugate. Veterinary Record, 1995, 137, 145-147.	0.3	20
130	Evaluation of allergic and serological tests for diagnosing Brucella melitensis infection in sheep. Journal of Clinical Microbiology, 1994, 32, 1835-1840.	3.9	59
131	Brucellagroup 3 outer membrane proteins contain a heat-modifiable protein. FEMS Microbiology Letters, 1993, 112, 141-145.	1.8	15
132	Evaluation of whole cell and subcellular vaccines against Brucella ovis in rams. Veterinary Immunology and Immunopathology, 1993, 37, 257-270.	1.2	48
133	The outer membranes of Brucella spp. are not barriers to hydrophobic permeants. Journal of Bacteriology, 1993, 175, 5273-5275.	2.2	50
134	Factors affecting detection of Brucella melitensis by BACTEC NR730, a nonradiometric system for hemocultures. Journal of Clinical Microbiology, 1993, 31, 3200-3203.	3.9	28
135	An ELISA with Brucella lipopolysaccharide antigen for the diagnosis of B. melitensis infection in sheep and for the evaluation of serological responses following subcutaneous or conjunctival B. melitensis strain Rev 1 vaccination. Veterinary Microbiology, 1992, 30, 233-241.	1.9	79
136	Antibody response to Brucella ovis outer membrane proteins in ovine brucellosis. Infection and Immunity, 1990, 58, 489-494.	2.2	59
137	Comparative analyses of proteins extracted by hot saline or released spontaneously into outer membrane blebs from field strains of Brucella ovis and Brucella melitensis. Infection and Immunity, 1989, 57, 1419-1426.	2.2	104
138	Comparison of three serological tests for Brucella ovis infection of rams using different antigenic extracts. Veterinary Record, 1989, 125, 504-508.	0.3	49
139	Enzyme-linked immunosorbent assay with Brucella native hapten polysaccharide and smooth lipopolysaccharide. Journal of Clinical Microbiology, 1988, 26, 2642-2646.	3.9	36
140	Properties of the outer membrane of Brucella. Annales De L'Institut Pasteur Microbiologie, 1987, 138, 89-91.	0.6	19
141	Immunization with Brucella melitensis Rev 1 against Brucella ovis infection of rams. Veterinary Microbiology, 1987, 14, 381-392.	1.9	39
142	Release of outer membrane fragments by exponentially growing Brucella melitensis cells. Infection and Immunity, 1987, 55, 609-615.	2.2	95
143	Comparison of lipopolysaccharide and outer membrane protein-lipopolysaccharide extracts in an enzyme-linked immunosorbent assay for the diagnosis of Brucella ovis infection. Journal of Clinical Microbiology, 1986, 23, 938-942.	3.9	58
144	In vitro interactions between lipopolysaccharides and heterologous outer membrane porin proteins. Current Microbiology, 1985, 12, 229-233.	2.2	5

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145	Isolation, purification, and partial characterization of Brucella abortus matrix protein. Infection and Immunity, 1983, 39, 394-402.	2.2	35
146	Immunological identity of brucella native hapten, polysaccharide B, and yersinia enterocolitica serotype 9 native hapten. Infection and Immunity, 1982, 38, 778-780.	2.2	28
147	Torulopsis navarrensis sp. nov. A new species of yeast isolated from an acid washed brown soil in the province of Navarra, Spain. Mycopathologia, 1978, 63, 61-63.	3.1	1