# Caterina Guzman-Verri

List of Publications by Year
in descending order

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|---|---|---|---|
| 54<br>papers | 2,024<br>citations | 257450<br>24<br>h-index | 243625<br>44<br>g-index |
| 61<br>all docs | 61<br>docs citations | 61<br>times ranked | 1562<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | New Bruce-ladder multiplex PCR assay for the biovar typing of Brucella suis and the discrimination of Brucella suis and Brucella canis. Veterinary Microbiology, 2011, 154, 152-155. | 1.9 | 129 |
| 4 | Brucella ceti and Brucellosis in Cetaceans. Frontiers in Cellular and Infection Microbiology, 2012, 2, 3. | 3.9 | 110 |
| 5 | Intracellular Adaptation of Brucella abortus. Journal of Proteome Research, 2009, 8, 1594-1609. | 3.7 | 100 |
| 6 | GTPases of the Rho Subfamily Are Required for Brucella abortus Internalization in Nonprofessional Phagocytes. Journal of Biological Chemistry, 2001, 276, 44435-44443. | 3.4 | 95 |
| 7 | Neurobrucellosis in Stranded Dolphins, Costa Rica. Emerging Infectious Diseases, 2008, 14, 1430-1433. | 4.3 | 84 |
| 8 | Regulation of Brucella virulence by the two-component system BvrR/BvrS. Veterinary Microbiology, 2002, 90, 329-339. | 1.9 | 75 |
| 9 | Pathology of Striped Dolphins (Stenella coeruleoalba) Infected with Brucella ceti. Journal of Comparative Pathology, 2010, 142, 347-352. | 0.4 | 68 |
| 10 | Emergence of an Outbreak-Associated Clostridium difficile Variant with Increased Virulence. Journal of Clinical Microbiology, 2015, 53, 1216-1226. | 3.9 | 65 |
| 11 | The Two-Component System BvrR/BvrS Regulates the Expression of the Type IV Secretion System VirB in *Brucella abortus*. Journal of Bacteriology, 2010, 192, 5603-5608. | 2.2 | 64 |
| 12 | 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 |
| 13 | R-Ras Glucosylation and Transient RhoA Activation Determine the Cytopathic Effect Produced by Toxin B Variants from Toxin A-negative Strains of Clostridium difficile. Journal of Biological Chemistry, 2003, 278, 7956-7963. | 3.4 | 57 |
| 14 | Activation of Rho and Rab GTPases dissociatesBrucella abortusinternalization from intracellular trafficking. Cellular Microbiology, 2002, 4, 663-676. | 2.1 | 55 |
| 15 | Brucella abortus Induces the Premature Death of Human Neutrophils through the Action of Its Lipopolysaccharide. PLoS Pathogens, 2015, 11, e1004853. | 4.7 | 52 |
| 16 | BvrR/BvrS-Controlled Outer Membrane Proteins Omp3a and Omp3b Are Not Essential for *Brucella abortus* Virulence. Infection and Immunity, 2007, 75, 4867-4874. | 2.2 | 45 |
| 17 | Brucella cetiinfection in dolphins from the Western Mediterranean sea. BMC Veterinary Research, 2014, 10, 206. | 1.9 | 40 |
| 18 | *Brucella neotomae* Infection in Humans, Costa Rica. Emerging Infectious Diseases, 2017, 23, 997-1000. | 4.3 | 40 |

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|---|---------|-----|-----------|
| 19 | Brucella canis Is an Intracellular Pathogen That Induces a Lower Proinflammatory Response than Smooth Zoonotic Counterparts. Infection and Immunity, 2015, 83, 4861-4870. | 2.2 | 39 |
| 20 | Brucella abortus Strain 2308 Wisconsin Genome: Importance of the Definition of Reference Strains. Frontiers in Microbiology, 2016, 7, 1557. | 3.5 | 37 |
| 21 | Whole genome sequencing of Shigella sonnei through PulseNet Latin America and Caribbean: advancing global surveillance of foodborne illnesses. Clinical Microbiology and Infection, 2017, 23, 845-853. | 6.0 | 37 |
| 22 | Brucella Genomics: Macro and Micro Evolution. International Journal of Molecular Sciences, 2020, 21, 7749. | 4.1 | 34 |
| 23 | Analysis of TcdB Proteins within the Hypervirulent Clade 2 Reveals an Impact of RhoA Glucosylation on Clostridium difficile Proinflammatory Activities. Infection and Immunity, 2016, 84, 856-865. | 2.2 | 26 |
| 24 | Brucella Genetic Variability in Wildlife Marine Mammals Populations Relates to Host Preference and Ocean Distribution. Genome Biology and Evolution, 2017, 9, 1901-1912. | 2.5 | 26 |
| 25 | Brucella abortus Senses the Intracellular Environment through the BvrR/BvrS Two-Component System, Which Allows B. abortus To Adapt to Its Replicative Niche. Infection and Immunity, 2018, 86, . | 2.2 | 26 |
| 26 | Brucellosis in mammals of Costa Rica: An epidemiological survey. PLoS ONE, 2017, 12, e0182644. | 2.5 | 25 |
| 27 | Serological Diagnosis of Brucella Infections in Odontocetes. Vaccine Journal, 2009, 16, 906-915. | 3.1 | 24 |
| 28 | Brucellosis caused by the wood rat pathogen Brucella neotomae: two case reports. Journal of Medical Case Reports, 2017, 11, 352. | 0.8 | 20 |
| 29 | Epidemiology of bovine brucellosis in Costa Rica: Lessons learned from failures in the control of the disease. PLoS ONE, 2017, 12, e0182380. | 2.5 | 19 |
| 30 | 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 |
| 31 | The use of green fluorescent protein as a marker for Brucella vaccines. Vaccine, 2011, 29, 577-582. | 3.8 | 15 |
| 32 | Persistence of Brucella abortus lineages revealed by genomic characterization and phylodynamic analysis. PLoS Neglected Tropical Diseases, 2020, 14, e0008235. | 3.0 | 13 |
| 33 | Analysis of the association between density ofHelicobacterspp and gastric lesions in dogs. American Journal of Veterinary Research, 2017, 78, 1414-1420. | 0.6 | 11 |
| 34 | Intracellular Passage Triggers a Molecular Response in Brucella abortus That Increases Its Infectiousness. Infection and Immunity, 2021, 89, e0000421. | 2.2 | 11 |
| 35 | Human Brucella melitensis infections in southern Vietnam. Clinical Microbiology and Infection, 2017, 23, 788-790. | 6.0 | 9 |
| 36 | Incomplete activation of Escherichia coli hemolysin (HlyA) due to mutations in the 3' region of hlyC. Journal of Bacteriology, 1997, 179, 5959-5962. | 2.2 | 8 |

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|---|---------|-----|-----------|
| 37 | Two Groups of Cocirculating, Epidemic Clostridiodes difficile Strains Microdiversify through Different Mechanisms. Genome Biology and Evolution, 2018, 10, 982-998. | 2.5 | 8 |
| 38 | Sequence analysis of the hypervariable region in *hmtp210* of *Avibacterium paragallinarum*. Journal of Veterinary Medical Science, 2017, 79, 1210-1214. | 0.9 | 6 |
| 39 | Brucella sp. sequence-type 27 associated with abortion in dwarf sperm whale Kogia sima. European Journal of Wildlife Research, 2021, 67, 1. | 1.4 | 6 |
| 40 | Brucella abortus S19 GFP-tagged vaccine allows the serological identification of vaccinated cattle. PLoS ONE, 2021, 16, e0260288. | 2.5 | 6 |
| 41 | A Sinorhizobium meliloti and Agrobacterium tumefaciens ExoR ortholog is not crucial for Brucella abortus virulence. PLoS ONE, 2021, 16, e0254568. | 2.5 | 5 |
| 42 | Combined electrokinetic manipulations of pathogenic bacterial samples in low-cost fabricated dielectrophoretic devices. AIP Advances, 2019, 9, 115303. | 1.3 | 4 |
| 43 | Purification of Intracellular Bacteria: Isolation of Viable Brucella abortus from Host Cells. Methods in Molecular Biology, 2014, 1197, 245-260. | 0.9 | 4 |
| 44 | Pathological Studies and Postmortem Computed Tomography of Dolphins with Meningoencephalomyelitis and Osteoarthritis Caused by Brucella ceti. Oceans, 2022, 3, 189-203. | 1.3 | 4 |
| 45 | In Vivo Proteolytic Degradation of the Escherichia coli Acyltransferase HlyC. Journal of Biological Chemistry, 2001, 276, 16660-16666. | 3.4 | 2 |
| 46 | Molecular characterization of Brucella ovis in Argentina. Veterinary Microbiology, 2020, 245, 108703. | 1.9 | 2 |
| 47 | Canine brucellosis in Costa Rica reveals widespread Brucella canis infection and the recent introduction of foreign strains. Veterinary Microbiology, 2021, 257, 109072. | 1.9 | 2 |
| 48 | Brucella sequence Type 27 isolated from Dwarf Sperm Whale (Kogia sima) stranded in the Costa Rican Pacific Coast. Access Microbiology, 2019, 1, . | 0.5 | 2 |
| 49 | Avances de la bioinformática en Costa Rica: vista retrospectiva y perspectivas. Revista De Biologia Tropical, 2021, 69, 1204-1223. | 0.4 | 0 |
| 50 | Title is missing!. , 2020, 14, e0008235. | | 0 |
| 51 | Title is missing!. , 2020, 14, e0008235. | | 0 |
| 52 | Title is missing!. , 2020, 14, e0008235. | | 0 |
| 53 | Title is missing!. , 2020, 14, e0008235. | | 0 |
| 54 | Title is missing!. , 2020, 14, e0008235. | | 0 |