

Monica Cartelle Gestal

List of Publications by Year in descending order

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44
papers

1,546
citations

394421

19
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315739

38
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46
all docs

46
docs citations

46
times ranked

2325
citing authors

#	ARTICLE	IF	CITATIONS
1	Methods of Synthesis, Properties and Biomedical Applications of CuO Nanoparticles. <i>Pharmaceuticals</i> , 2016, 9, 75.	3.8	257
2	Evaluation of different methods for detecting methicillin (oxacillin) resistance in <i>Staphylococcus aureus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2005, 55, 379-382.	3.0	135
3	Hospital outbreak caused by a carbapenem-resistant strain of <i>Acinetobacter baumannii</i> : patient prognosis and risk-factors for colonisation and infection. <i>Clinical Microbiology and Infection</i> , 2005, 11, 540-546.	6.0	127
4	Identification and Broad Dissemination of the CTX-M-14 β -Lactamase in Different <i>Escherichia coli</i> Strains in the Northwest Area of Spain. <i>Journal of Clinical Microbiology</i> , 2002, 40, 4030-4036.	3.9	97
5	Advanced Nanobiomaterials: Vaccines, Diagnosis and Treatment of Infectious Diseases. <i>Molecules</i> , 2016, 21, 867.	3.8	92
6	Nanocoatings for Chronic Wound Repair—Modulation of Microbial Colonization and Biofilm Formation. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1179.	4.1	90
7	High-Level Resistance to Ceftazidime Conferred by a Novel Enzyme, CTX-M-32, Derived from CTX-M-1 through a Single Asp240-Gly Substitution. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 2308-2313.	3.2	78
8	Biocompatible Fe ₃ O ₄ Increases the Efficacy of Amoxicillin Delivery against Gram-Positive and Gram-Negative Bacteria. <i>Molecules</i> , 2014, 19, 5013-5027.	3.8	59
9	Characterization of a small outbreak of <i>Salmonella enterica</i> serovar <i>Infantis</i> that harbour CTX-M-65 in Ecuador. <i>Brazilian Journal of Infectious Diseases</i> , 2016, 20, 406-407.	0.6	47
10	Risk Factors for Colonization and Infection in a Hospital Outbreak Caused by a Strain of <i>Klebsiella pneumoniae</i> with Reduced Susceptibility to Expanded-Spectrum Cephalosporins. <i>Journal of Clinical Microbiology</i> , 2004, 42, 4242-4249.	3.9	44
11	DNA Fragmentation in Microorganisms Assessed In Situ. <i>Applied and Environmental Microbiology</i> , 2008, 74, 5925-5933.	3.1	42
12	Control of biofilm-associated infections by signaling molecules and nanoparticles. <i>International Journal of Pharmaceutics</i> , 2016, 510, 409-418.	5.2	30
13	Applications of Nanodiamonds in the Detection and Therapy of Infectious Diseases. <i>Materials</i> , 2019, 12, 1639.	2.9	29
14	Lack of correlation between phenotypic techniques and PCR-based genotypic methods for identification of <i>Enterococcus</i> spp.. <i>Diagnostic Microbiology and Infectious Disease</i> , 2004, 49, 151-156.	1.8	28
15	Interspecies spread of CTX-M-32 extended-spectrum β -lactamase and the role of the insertion sequence IS1 in down-regulating blaCTX-M gene expression. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 59, 841-847.	3.0	28
16	Structure-function studies of arginine at position 276 in CTX-M β -lactamases. <i>Journal of Antimicrobial Chemotherapy</i> , 2008, 61, 792-797.	3.0	23
17	Enhancement of immune response against <i>Bordetella</i> spp. by disrupting immunomodulation. <i>Scientific Reports</i> , 2019, 9, 20261.	3.3	22
18	New Molecular Strategies for Reducing Implantable Medical Devices Associated Infections. <i>Current Medicinal Chemistry</i> , 2014, 21, 3375-3382.	2.4	21

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19	Use of Biopolymers in Mucosally-Administered Vaccinations for Respiratory Disease. <i>Materials</i> , 2019, 12, 2445.	2.9	21
20	Epidemiology of Tropical Neglected Diseases in Ecuador in the Last 20 Years. <i>PLoS ONE</i> , 2015, 10, e0138311.	2.5	21
21	Integrated Signaling Pathways Mediate <i>Bordetella</i> Immunomodulation, Persistence, and Transmission. <i>Trends in Microbiology</i> , 2019, 27, 118-130.	7.7	20
22	Novel Drug Delivery Magnetite Nano-systems Used in Antimicrobial Therapy. <i>Current Organic Chemistry</i> , 2014, 18, 185-191.	1.6	19
23	A model of chronic, transmissible Otitis Media in mice. <i>PLoS Pathogens</i> , 2019, 15, e1007696.	4.7	18
24	Eosinophils and Bacteria, the Beginning of a Story. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8004.	4.1	18
25	Blood or Serum Exposure Induce Global Transcriptional Changes, Altered Antigenic Profile, and Increased Cytotoxicity by Classical <i>Bordetella</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 1969.	3.5	17
26	â€œNETs and EETs, a Whole Web of Messâ€: <i>Microorganisms</i> , 2020, 8, 1925.	3.6	16
27	Novel Therapeutic Strategies Applied to <i>Pseudomonas aeruginosa</i> Infections in Cystic Fibrosis. <i>Materials</i> , 2019, 12, 4093.	2.9	15
28	Computational Health Engineering Applied to Model Infectious Diseases and Antimicrobial Resistance Spread. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 2486.	2.5	14
29	Disrupting <i>Bordetella</i> Immunosuppression Reveals a Role for Eosinophils in Coordinating the Adaptive Immune Response in the Respiratory Tract. <i>Microorganisms</i> , 2020, 8, 1808.	3.6	13
30	High Prevalence of CTX-M-1-Like Enzymes in Urinary Isolates of <i>Escherichia coli</i> in Guayaquil, Ecuador. <i>Microbial Drug Resistance</i> , 2018, 24, 393-402.	2.0	11
31	Evaluation of Group B <i>Streptococcus</i> Differential Agar for detection and isolation of <i>Streptococcus agalactiae</i> . <i>Clinical Microbiology and Infection</i> , 2005, 11, 676-678.	6.0	10
32	First case of NDM-1-producing <i>Providencia rettgeri</i> in Ecuador. <i>Journal of Global Antimicrobial Resistance</i> , 2015, 3, 302-303.	2.2	10
33	Immunomodulation as a Novel Strategy for Prevention and Treatment of <i>Bordetella</i> spp. Infections. <i>Frontiers in Immunology</i> , 2019, 10, 2869.	4.8	10
34	Development of macrolide resistance in <i>Bordetella bronchiseptica</i> is associated with the loss of virulence. <i>Journal of Antimicrobial Chemotherapy</i> , 2018, 73, 2797-2805.	3.0	9
35	Modeling Immune Evasion and Vaccine Limitations by Targeted Nasopharyngeal <i>Bordetella pertussis</i> Inoculation in Mice. <i>Emerging Infectious Diseases</i> , 2021, 27, 2107-2116.	4.3	9
36	Bbvac: A Live Vaccine Candidate That Provides Long-Lasting Anamnestic and Th17-Mediated Immunity against the Three Classical <i>Bordetella</i> spp.. <i>MSphere</i> , 2022, 7, e0089221.	2.9	9

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37	Characterisation of the first CTX-M-10-producing isolate of <i>Salmonella enterica</i> serotype Virchow. <i>Clinical Microbiology and Infection</i> , 2006, 12, 285-287.	6.0	6
38	<i>Bordetella bronchiseptica</i> Diguanylate Cyclase BdcA Regulates Motility and Is Important for the Establishment of Respiratory Infection in Mice. <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	6
39	Nanostructured Bioactive Polymers Used in Food-Packaging. <i>Current Pharmaceutical Biotechnology</i> , 2015, 16, 121-127.	1.6	6
40	Early detection and control of an <i>Acinetobacter baumannii</i> multi-resistant outbreak in a hospital in Quito, Ecuador. <i>Journal of Infection in Developing Countries</i> , 2016, 10, 1294-1298.	1.2	5
41	Panniculitis caused by <i>Mycobacterium monacense</i> mimicking erythema induratum: a case in Ecuador. <i>New Microbes and New Infections</i> , 2016, 10, 112-115.	1.6	4
42	OXA-48 Carbapenemase in <i>Klebsiella pneumoniae</i> Sequence Type 307 in Ecuador. <i>Microorganisms</i> , 2020, 8, 435.	3.6	4
43	Fosfomycin, Applying Known Methods and Remedies to A New Era. <i>Diseases (Basel, Switzerland)</i> , 2020, 8, 31.	2.5	1
44	Biomedical Engineering International joins the Family of Platinum Open Access Journals. <i>Biomedical Engineering International</i> , 2019, 1, 1-1.	0.5	0