

Guillermo Martinez de Tejada

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51
papers

1,477
citations

23
h-index

37
g-index

53
ext. papers

1,723
ext. citations

5.3
avg, IF

4.1
L-index

#	Paper	IF	Citations
51	The outer membranes of <i>Brucella</i> spp. are resistant to bactericidal cationic peptides. <i>Infection and Immunity</i> , 1995 , 63, 3054-61	3.7	109
50	Comparative analysis of the virulence control systems of <i>Bordetella pertussis</i> and <i>Bordetella bronchiseptica</i> . <i>Molecular Microbiology</i> , 1996 , 22, 895-908	4.1	95
49	New antiseptic peptides to protect against endotoxin-mediated shock. <i>Antimicrobial Agents and Chemotherapy</i> , 2010 , 54, 3817-24	5.9	93
48	Biophysical mechanisms of endotoxin neutralization by cationic amphiphilic peptides. <i>Biophysical Journal</i> , 2011 , 100, 2652-61	2.9	92
47	Neither the Bvg- phase nor the vrg6 locus of <i>Bordetella pertussis</i> is required for respiratory infection in mice. <i>Infection and Immunity</i> , 1998 , 66, 2762-8	3.7	78
46	Preclinical investigations reveal the broad-spectrum neutralizing activity of peptide Pep19-2.5 on bacterial pathogenicity factors. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 1480-7	5.9	64
45	Rationale for the design of shortened derivatives of the NK-lysin-derived antimicrobial peptide NK-2 with improved activity against Gram-negative pathogens. <i>Journal of Biological Chemistry</i> , 2007 , 282, 14719-28	5.4	64
44	Cyclic antimicrobial peptides based on <i>Limulus</i> anti-lipopolysaccharide factor for neutralization of lipopolysaccharide. <i>Biochemical Pharmacology</i> , 2004 , 68, 1297-307	6	59
43	Antimicrobial activity of synthetic cationic peptides and lipopeptides derived from human lactoferricin against <i>Pseudomonas aeruginosa</i> planktonic cultures and biofilms. <i>BMC Microbiology</i> , 2015 , 15, 137	4.5	51
42	Bacterial cell wall compounds as promising targets of antimicrobial agents I. Antimicrobial peptides and lipopolyamines. <i>Current Drug Targets</i> , 2012 , 13, 1121-30	3	45
41	Structural prerequisites for endotoxic activity in the <i>Limulus</i> test as compared to cytokine production in mononuclear cells. <i>Innate Immunity</i> , 2010 , 16, 39-47	2.7	44
40	The outer membranes of <i>Brucella</i> spp. are not barriers to hydrophobic permeants. <i>Journal of Bacteriology</i> , 1993 , 175, 5273-5	3.5	43
39	Lipoproteins/peptides are sepsis-inducing toxins from bacteria that can be neutralized by synthetic anti-endotoxin peptides. <i>Scientific Reports</i> , 2015 , 5, 14292	4.9	40
38	Structural features governing the activity of lactoferricin-derived peptides that act in synergy with antibiotics against <i>Pseudomonas aeruginosa</i> in vitro and in vivo. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 218-28	5.9	40
37	Influence of N-acylation of a peptide derived from human lactoferricin on membrane selectivity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006 , 1758, 1426-35	3.8	40
36	The acyl group as the central element of the structural organization of antimicrobial lipopeptide. <i>Journal of the American Chemical Society</i> , 2007 , 129, 1022-3	16.4	39
35	Evaluation of the role of the Bvg intermediate phase in <i>Bordetella pertussis</i> during experimental respiratory infection. <i>Infection and Immunity</i> , 2005 , 73, 748-60	3.7	38

34	Comparative analysis of selected methods for the assessment of antimicrobial and membrane-permeabilizing activity: a case study for lactoferricin derived peptides. <i>BMC Microbiology</i> , 2008 , 8, 196	4.5	37
33	Comparative phenotypic analysis of the <i>Bordetella parapertussis</i> isolate chosen for genomic sequencing. <i>Infection and Immunity</i> , 2002 , 70, 3777-84	3.7	37
32	Free thiol group of MD-2 as the target for inhibition of the lipopolysaccharide-induced cell activation. <i>Journal of Biological Chemistry</i> , 2009 , 284, 19493-500	5.4	36
31	A permeability-increasing drug synergizes with bacterial efflux pump inhibitors and restores susceptibility to antibiotics in multi-drug resistant <i>Pseudomonas aeruginosa</i> strains. <i>Scientific Reports</i> , 2019 , 9, 3452	4.9	30
30	Inhibition of Lipopolysaccharide- and Lipoprotein-Induced Inflammation by Antitoxin Peptide Pep19-2.5. <i>Frontiers in Immunology</i> , 2018 , 9, 1704	8.4	28
29	Cavitary pneumonia in an AIDS patient caused by an unusual <i>Bordetella bronchiseptica</i> variant producing reduced amounts of pertactin and other major antigens. <i>Journal of Clinical Microbiology</i> , 2002 , 40, 3146-54	9.7	23
28	Novel integrated and portable endotoxin detection system based on an electrochemical biosensor. <i>Analyst, The</i> , 2015 , 140, 654-60	5	21
27	Human but not ovine isolates of <i>Bordetella parapertussis</i> are highly clonal as determined by PCR-based RAPD fingerprinting. <i>Infection</i> , 1998 , 26, 270-3	5.8	20
26	LPS-neutralizing peptides reduce outer membrane vesicle-induced inflammatory responses. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019 , 1864, 1503-1513	5	19
25	Antimicrobial Peptides as Anti-biofilm Agents in Medical Implants. <i>Current Topics in Medicinal Chemistry</i> , 2017 , 17, 590-603	3	19
24	AMPs as Anti-biofilm Agents for Human Therapy and Prophylaxis. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1117, 257-279	3.6	18
23	Effect of asymptomatic natural infections due to common mouse pathogens on the metastatic progression of B16 murine melanoma in C57BL/6 mice. <i>Clinical and Experimental Metastasis</i> , 2005 , 22, 549-58	4.7	18
22	Antimicrobial endotoxin-neutralizing peptides promote keratinocyte migration via P2X7 receptor activation and accelerate wound healing in vivo. <i>British Journal of Pharmacology</i> , 2018 , 175, 3581-3593	8.6	14
21	<i>Candida albicans</i> enhances experimental hepatic melanoma metastasis. <i>Clinical and Experimental Metastasis</i> , 2010 , 27, 35-42	4.7	12
20	Coupling killing to neutralization: combined therapy with ceftriaxone/Pep19-2.5 counteracts sepsis in rabbits. <i>Experimental and Molecular Medicine</i> , 2017 , 49, e345	12.8	11
19	Permeability enhancers sensitize β -lactamase-expressing Enterobacteriaceae and <i>Pseudomonas aeruginosa</i> to β -lactamase inhibitors, thereby restoring their β -lactam susceptibility. <i>International Journal of Antimicrobial Agents</i> , 2020 , 56, 105986	14.3	10
18	Screening and selection of synthetic peptides for a novel and optimized endotoxin detection method. <i>Journal of Biotechnology</i> , 2014 , 186, 162-8	3.7	10
17	Antibacterial action of synthetic antilipopolysaccharide peptides (SALP) involves neutralization of both membrane-bound and free toxins. <i>FEBS Journal</i> , 2019 , 286, 1576-1593	5.7	9

16	Effective Antimicrobial and Anti-Endotoxin Activity of Cationic Peptides Based on Lactoferricin: A Biophysical and Microbiological Study. <i>Anti-Infective Agents in Medicinal Chemistry</i> , 2010 , 9, 9-22		9
15	Implementation and Characterization of a Fully Miniaturized Biosensor for Endotoxin Detection Based on Electrochemical Techniques. <i>IEEE Sensors Journal</i> , 2014 , 14, 270-277	4	8
14	Therapeutical Administration of Peptide Pep19-2.5 and Ibuprofen Reduces Inflammation and Prevents Lethal Sepsis. <i>PLoS ONE</i> , 2015 , 10, e0133291	3.7	8
13	Physicochemical and biological characterization of anti-endotoxin peptides and their influence on lipid properties. <i>Protein and Peptide Letters</i> , 2010 , 17, 1328-33	1.9	8
12	Bacterial cell wall compounds as promising targets of antimicrobial agents II. Immunological and clinical aspects. <i>Current Drug Targets</i> , 2012 , 13, 1131-7	3	7
11	Inactivation of Bacteria by Irradiation to Investigate the Interaction with Antimicrobial Peptides. <i>Biophysical Journal</i> , 2019 , 117, 1805-1819	2.9	5
10	Synthetic Anti-lipopolysaccharide Peptides (SALPs) as Effective Inhibitors of Pathogen-Associated Molecular Patterns (PAMPs). <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1117, 111-129	3.6	4
9	A synthetic peptide sensitizes multi-drug resistant <i>Pseudomonas aeruginosa</i> to antibiotics for more than two hours and permeabilizes its envelope for twenty hours. <i>Journal of Biomedical Science</i> , 2020 , 27, 85	13.3	4
8	Activity of Anti-Microbial Peptides (AMPs) against and Other Parasites: An Overview. <i>Biomolecules</i> , 2021 , 11,	5.9	4
7	Anti-Infective and Anti-Inflammatory Mode of Action of Peptide 19-2.5. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
6	Cathelicidin and PMB neutralize endotoxins by multifactorial mechanisms including LPS interaction and targeting of host cell membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
5	An antibiotic potentiator retains its activity after being immobilized on silicone and prevents growth of multidrug-resistant <i>Pseudomonas aeruginosa</i> biofilms. <i>Materials Science and Engineering C</i> , 2021 , 121, 111876	8.3	3
4	Antimicrobial Peptides in the Battle against Orthopedic Implant-Related Infections: A Review. <i>Pharmaceutics</i> , 2021 , 13,	6.4	2
3	An update on endotoxin neutralization strategies in Gram-negative bacterial infections. <i>Expert Review of Anti-Infective Therapy</i> , 2021 , 19, 495-517	5.5	2
2	Development of Antimicrobial Peptides Based on Limulus Anti-Lipopolysaccharide Factor (LALF) 2019 , 683-706		
1	Comparing Antimicrobial and Membrane Permeabilizing Activity of Peptides Derived from Human Cationic Proteins 2006 , 255-257		