

Berthony Deslouches

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,639
citations

394421

19
h-index

454955

30
g-index

32
all docs

32
docs citations

32
times ranked

2163
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational Framework for the Design of Trp- and Arg-Rich Peptide Antibiotics Against Multidrug-Resistant Bacteria. <i>Frontiers in Microbiology</i> , 2022, 13, .	3.5	3
2	Mass Balance Study of the Engineered Cationic Antimicrobial Peptide, WLBU2, Following a Single Intravenous Dose of 14C-WLBU2 in Mice. <i>Current Reviews in Clinical and Experimental Pharmacology</i> , 2021, 16, 263-272.	0.8	1
3	Significance of Secondary Structure Determination When Evaluating Rationally Designed Antimicrobial Peptides. <i>Biophysical Journal</i> , 2020, 118, 394a.	0.5	1
4	Enhanced therapeutic index of an antimicrobial peptide in mice by increasing safety and activity against multidrug-resistant bacteria. <i>Science Advances</i> , 2020, 6, eaay6817.	10.3	75
5	Direct antimicrobial activity of cationic amphipathic peptide WLBU2 against <i>Staphylococcus aureus</i> biofilms is enhanced in physiologic buffered saline. <i>Journal of Orthopaedic Research</i> , 2020, 38, 2657-2663.	2.3	12
6	Engineered Cationic Antimicrobial Peptides (eCAPs) to Combat Multidrug-Resistant Bacteria. <i>Pharmaceutics</i> , 2020, 12, 501.	4.5	38
7	Synergistic Biophysical Techniques Reveal Structural Mechanisms of Engineered Cationic Antimicrobial Peptides in Lipid Model Membranes. <i>Chemistry - A European Journal</i> , 2020, 26, 6247-6256.	3.3	9
8	Elastic behavior of model membranes with antimicrobial peptides depends on lipid specificity and D-enantiomers. <i>Soft Matter</i> , 2019, 15, 1860-1868.	2.7	21
9	Elastic Behavior of Model Membranes with Antimicrobial Peptides Depends on Lipid Specificity and D-Enantiomers. <i>Biophysical Journal</i> , 2019, 116, 84a.	0.5	0
10	Antibacterial Properties and Efficacy of a Novel SPLUNC1-Derived Antimicrobial Peptide, $\hat{1}\pm 4$ -Short, in a Murine Model of Respiratory Infection. <i>MBio</i> , 2019, 10, .	4.1	21
11	Enhanced efficacy of the engineered antimicrobial peptide WLBU2 via direct airway delivery in a murine model of <i>Pseudomonas aeruginosa</i> pneumonia. <i>Clinical Microbiology and Infection</i> , 2018, 24, 547.e1-547.e8.	6.0	35
12	Enhanced biofilm prevention activity of a SPLUNC1-derived antimicrobial peptide against <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , 2018, 13, e0203621.	2.5	8
13	Prevention of ESKAPE pathogen biofilm formation by antimicrobial peptides WLBU2 and LL37. <i>International Journal of Antimicrobial Agents</i> , 2018, 52, 667-672.	2.5	81
14	Elimination of Antibiotic Resistant Surgical Implant Biofilms Using an Engineered Cationic Amphipathic Peptide WLBU2. <i>Scientific Reports</i> , 2017, 7, 18098.	3.3	37
15	Antimicrobial peptides with selective antitumor mechanisms: prospect for anticancer applications. <i>Oncotarget</i> , 2017, 8, 46635-46651.	1.8	273
16	Engineered Cationic Antimicrobial Peptides Containing Cholesterol Interacting Motifs to Target Viral Envelopes. <i>Journal of Antivirals & Antiretrovirals</i> , 2017, 09, .	0.1	1
17	Antimicrobial Peptides: A Potential Therapeutic Option for Surgical Site Infections. <i>Clinics in Surgery</i> , 2017, 2, .	0.8	10
18	Comparative functional properties of engineered cationic antimicrobial peptides consisting exclusively of tryptophan and either lysine or arginine. <i>Journal of Medical Microbiology</i> , 2016, 65, 554-565.	1.8	35

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19	Engineered cationic antimicrobial peptide (eCAP) prevents <i>Pseudomonas aeruginosa</i> biofilm growth on airway epithelial cells. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 2200-2207.	3.0	50
20	Simultaneous Antibiofilm and Antiviral Activities of an Engineered Antimicrobial Peptide during Virus-Bacterium Coinfection. <i>MSphere</i> , 2016, 1, .	2.9	27
21	Novel engineered cationic antimicrobial peptides display broad-spectrum activity against <i>Francisella tularensis</i> , <i>Yersinia pestis</i> and <i>Burkholderia pseudomallei</i> . <i>Journal of Medical Microbiology</i> , 2016, 65, 188-194.	1.8	22
22	Memory T Cells Specific for Murine Cytomegalovirus Re-Emerge after Multiple Challenges and Recapitulate Immunity in Various Adoptive Transfer Scenarios. <i>Journal of Immunology</i> , 2015, 194, 1726-1736.	0.8	33
23	Engineered Cationic Antimicrobial Peptides To Overcome Multidrug Resistance by ESKAPE Pathogens. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 1329-1333.	3.2	108
24	Antimicrobial peptides: new drugs for bad bugs?. <i>Expert Opinion on Biological Therapy</i> , 2014, 14, 11-14.	3.1	106
25	Rational Design of Engineered Cationic Antimicrobial Peptides Consisting Exclusively of Arginine and Tryptophan, and Their Activity against Multidrug-Resistant Pathogens. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 2511-2521.	3.2	147
26	The use of pre-operative imaging and intraoperative parathyroid hormone level to guide surgical management of tertiary hyperparathyroidism from X-linked hypophosphatemic rickets: a case report. <i>Cases Journal</i> , 2009, 2, 7572.	0.4	6
27	De novo-derived cationic antimicrobial peptide activity in a murine model of <i>Pseudomonas aeruginosa</i> bacteraemia. <i>Journal of Antimicrobial Chemotherapy</i> , 2007, 60, 669-672.	3.0	56
28	Antimicrobial Peptides in Mucosal Secretions: The Importance of Local Secretions in Mitigating Infection. <i>Journal of Nutrition</i> , 2005, 135, 1289-1293.	2.9	35
29	Activity of the De Novo Engineered Antimicrobial Peptide WLBU2 against <i>Pseudomonas aeruginosa</i> in Human Serum and Whole Blood: Implications for Systemic Applications. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 3208-3216.	3.2	138
30	De Novo Generation of Cationic Antimicrobial Peptides: Influence of Length and Tryptophan Substitution on Antimicrobial Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2005, 49, 316-322.	3.2	227
31	Selective toxicity of engineered lentivirus lytic peptides in a CF airway cell model. <i>Peptides</i> , 2003, 24, 1099-1107.	2.4	23
32	Antimicrobial Peptide Mechanisms Revealed with Scattering-Guided Molecular Dynamics Simulation. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0