

Vincenzo Luca

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,439
citations

331670

21
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580821

25
g-index

26
all docs

26
docs citations

26
times ranked

2051
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic beads combined with carbon black-based screen-printed electrodes for COVID-19: A reliable and miniaturized electrochemical immunosensor for SARS-CoV-2 detection in saliva. <i>Biosensors and Bioelectronics</i> , 2021, 171, 112686.	10.1	331
2	Esculentin(1-21), an amphibian skin membrane-active peptide with potent activity on both planktonic and biofilm cells of the bacterial pathogen <i>Pseudomonas aeruginosa</i> . <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 2773-2786.	5.4	131
3	How Many Antimicrobial Peptide Molecules Kill a Bacterium? The Case of PMAP-23. <i>ACS Chemical Biology</i> , 2014, 9, 2003-2007.	3.4	130
4	d-Amino acids incorporation in the frog skin-derived peptide esculentin-1a(1-21)NH ₂ is beneficial for its multiple functions. <i>Amino Acids</i> , 2015, 47, 2505-2519.	2.7	70
5	Temporins A and B Stimulate Migration of HaCaT Keratinocytes and Kill Intracellular <i>Staphylococcus aureus</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 2520-2527.	3.2	68
6	Isomerization of an Antimicrobial Peptide Broadens Antimicrobial Spectrum to Gram-Positive Bacterial Pathogens. <i>PLoS ONE</i> , 2012, 7, e46259.	2.5	60
7	Naturally Occurring Peptides from <i>Rana temporaria</i> : Antimicrobial Properties and More. <i>Current Topics in Medicinal Chemistry</i> , 2015, 16, 54-64.	2.1	60
8	Enhanced Amphiphilic Profile of a Short β -Stranded Peptide Improves Its Antimicrobial Activity. <i>PLoS ONE</i> , 2015, 10, e0116379.	2.5	57
9	Cell-Density Dependence of Host-Defense Peptide Activity and Selectivity in the Presence of Host Cells. <i>ACS Chemical Biology</i> , 2017, 12, 52-56.	3.4	55
10	Esculentin-1a(1-21)NH ₂ : a frog skin-derived peptide for microbial keratitis. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 617-627.	5.4	53
11	The effect of d-amino acid substitution on the selectivity of temporin L towards target cells: Identification of a potent anti- <i>Candida</i> peptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 652-660.	2.6	51
12	Synergistic fungicidal activity of the lipopeptide bacillomycin D with amphotericin B against pathogenic <i>Candida</i> species. <i>FEMS Yeast Research</i> , 2015, 15, fov022.	2.3	41
13	Alanine scanning analysis and structure–function relationships of the frog skin antimicrobial peptide temporin-1a. <i>Journal of Peptide Science</i> , 2011, 17, 358-365.	1.4	35
14	Novel β -MSH Peptide Analogues with Broad Spectrum Antimicrobial Activity. <i>PLoS ONE</i> , 2013, 8, e61614.	2.5	35
15	Rational modification of a dendrimeric peptide with antimicrobial activity: consequences on membrane-binding and biological properties. <i>Amino Acids</i> , 2016, 48, 887-900.	2.7	33
16	Membrane interaction and antibacterial properties of two mildly cationic peptide diastereomers, bombinins H2 and H4, isolated from <i>Bombina</i> skin. <i>European Biophysics Journal</i> , 2011, 40, 577-588.	2.2	32
17	Fighting microbial infections: A lesson from amphibian skin-derived esculentin-1 peptides. <i>Peptides</i> , 2015, 71, 286-295.	2.4	32
18	Esculentin-1a Derived Antipseudomonal Peptides: Limited Induction of Resistance and Synergy with Aztreonam. <i>Protein and Peptide Letters</i> , 2019, 25, 1155-1162.	0.9	31

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19	Bacillomycin D and its combination with amphotericin B: promising antifungal compounds with powerful antibiofilm activity and wound-healing potency. <i>Journal of Applied Microbiology</i> , 2016, 120, 289-300.	3.1	28
20	Membrane perturbing activities and structural properties of the frog-skin derived peptide Esculentin-1a(1-21)NH ₂ and its Diastereomer Esc(1-21)-1c: Correlation with their antipseudomonal and cytotoxic activity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 2327-2339.	2.6	27
21	Aggregation determines the selectivity of membrane-active anticancer and antimicrobial peptides: The case of killerFLIP. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183107.	2.6	26
22	Anti-Candida activity of 18 fragment of the frog skin peptide esculentin-1b: in vitro and in vivo studies in a <i>Caenorhabditis elegans</i> infection model. <i>Cellular and Molecular Life Sciences</i> , 2013, 71, 2535-46.	5.4	22
23	Effects of Aib residues insertion on the structural-functional properties of the frog skin-derived peptide esculentin-1a(1-21)NH ₂ . <i>Amino Acids</i> , 2017, 49, 139-150.	2.7	20
24	Rapid inactivation of SARS-CoV-2 with LED irradiation of visible spectrum wavelengths. <i>Journal of Photochemistry and Photobiology</i> , 2021, 8, 100082.	2.5	9
25	How Many AMP Molecules Kill a Bacterium? Spectroscopic Determination of PMAP-23 Binding to <i>E. Coli</i> . <i>Biophysical Journal</i> , 2014, 106, 292a.	0.5	2
26	Bombinins. , 2013, , 331-337.		0