Vincenzo Luca

List of Publications by Year
in descending order

26 papers	1,439 citations	377584 21 h-index	651938 25 g-index
26 all docs	26 docs citations	26 times ranked	2230 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. Biosensors and Bioelectronics, 2021, 171, 112686.	5.3	331
2	Rapid inactivation of SARS-CoV-2 with LED irradiation of visible spectrum wavelengths. Journal of Photochemistry and Photobiology, 2021, 8, 100082.	1.1	9
3	Aggregation determines the selectivity of membrane-active anticancer and antimicrobial peptides: The case of killerFLIP. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183107.	1.4	26
4	Esculentin-1a Derived Antipseudomonal Peptides: Limited Induction of Resistance and Synergy with Aztreonam. Protein and Peptide Letters, 2019, 25, 1155-1162.	0.4	31
5	Cell-Density Dependence of Host-Defense Peptide Activity and Selectivity in the Presence of Host Cells. ACS Chemical Biology, 2017, 12, 52-56.	1.6	55
6	Membrane perturbing activities and structural properties of the frog-skin derived peptide Esculentin-1a(1-21)NH2 and its Diastereomer Esc(1-21)-1c: Correlation with their antipseudomonal and cytotoxic activity. Biochimica Et Biophysica Acta - Biomembranes, 2017, 1859, 2327-2339.	1.4	27
7	Effects of Aib residues insertion on the structuralâ€“functional properties of the frog skin-derived peptide esculentin-1a(1â€“21)NH2. Amino Acids, 2017, 49, 139-150.	1.2	20
8	Bacillomycin D and its combination with amphotericin B: promising antifungal compounds with powerful antibiofilm activity and wound-healing potency. Journal of Applied Microbiology, 2016, 120, 289-300.	1.4	28
9	Rational modification of a dendrimeric peptide with antimicrobial activity: consequences on membrane-binding and biological properties. Amino Acids, 2016, 48, 887-900.	1.2	33
10	Naturally Occurring Peptides from Rana temporaria: Antimicrobial Properties and More. Current Topics in Medicinal Chemistry, 2015, 16, 54-64.	1.0	60
11	Enhanced Amphiphilic Profile of a Short Î²-Stranded Peptide Improves Its Antimicrobial Activity. PLoS ONE, 2015, 10, e0116379.	1.1	57
12	d-Amino acids incorporation in the frog skin-derived peptide esculentin-1a(1-21)NH2 is beneficial for its multiple functions. Amino Acids, 2015, 47, 2505-2519.	1.2	70
13	Synergistic fungicidal activity of the lipopeptide bacillomycin D with amphotericin B against pathogenicCandidaspecies. FEMS Yeast Research, 2015, 15, fov022.	1.1	41
14	Fighting microbial infections: A lesson from amphibian skin-derived esculentin-1 peptides. Peptides, 2015, 71, 286-295.	1.2	32
15	Esculentin-1a(1-21)NH2: a frog skin-derived peptide for microbial keratitis. Cellular and Molecular Life Sciences, 2015, 72, 617-627.	2.4	53
16	Temporins A and B Stimulate Migration of HaCaT Keratinocytes and Kill Intracellular Staphylococcus aureus. Antimicrobial Agents and Chemotherapy, 2014, 58, 2520-2527.	1.4	68
17	How Many Antimicrobial Peptide Molecules Kill a Bacterium? The Case of PMAP-23. ACS Chemical Biology, 2014, 9, 2003-2007.	1.6	130
18	How Many AMP Molecules Kill a Bacterium? Spectroscopic Determination of PMAP-23 Binding to E. Coli. Biophysical Journal, 2014, 106, 292a.	0.2	2

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19	Anti-Candida activity of 1â€“18 fragment of the frog skin peptide esculentin-1b: in vitro and in vivo studies in a Caenorhabditis elegans infection model. Cellular and Molecular Life Sciences, 2013, 71, 2535-46.	2.4	22
20	Esculentin(1-21), an amphibian skin membrane-active peptide with potent activity on both planktonic and biofilm cells of the bacterial pathogen Pseudomonas aeruginosa. Cellular and Molecular Life Sciences, 2013, 70, 2773-2786.	2.4	131
21	The effect of d-amino acid substitution on the selectivity of temporin L towards target cells: Identification of a potent anti-Candida peptide. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 652-660.	1.4	51
22	Bombinins. , 2013, , 331-337.		0
23	Novel Î±-MSH Peptide Analogues with Broad Spectrum Antimicrobial Activity. PLoS ONE, 2013, 8, e61614.	1.1	35
24	Isomerization of an Antimicrobial Peptide Broadens Antimicrobial Spectrum to Gram-Positive Bacterial Pathogens. PLoS ONE, 2012, 7, e46259.	1.1	60
25	Membrane interaction and antibacterial properties of two mildly cationic peptide diastereomers, bombinins H2 and H4, isolated from Bombina skin. European Biophysics Journal, 2011, 40, 577-588.	1.2	32
26	Alanine scanning analysis and structureâ€“function relationships of the frogâ€skin antimicrobial peptide temporinâ€1Ta. Journal of Peptide Science, 2011, 17, 358-365.	0.8	35