Marco Scocchi

List of Publications by Year
in descending order

69 papers	3,907 citations	117571 34 h-index	128225 60 g-index
71 all docs	71 docs citations	71 times ranked	3837 citing authors

#	Article	IF	Citations
1	Bioactive compounds: a goldmine for defining new strategies against pathogenic bacterial biofilms?. Critical Reviews in Microbiology, 2023, 49, 117-149.	2.7	10
2	Elastase-Activated Antimicrobial Peptide for a Safer Pulmonary Treatment of Cystic Fibrosis Infections. Antibiotics, 2022, 11, 319.	1.5	3
3	Effects of Lipidation on a Proline-Rich Antibacterial Peptide. International Journal of Molecular Sciences, 2021, 22, 7959.	1.8	24
4	The proline-rich myticalins from Mytilus galloprovincialis display a membrane-permeabilizing antimicrobial mode of action. Peptides, 2021, 143, 170594.	1.2	4
5	Rational Designed Hybrid Peptides Show up to a 6-Fold Increase in Antimicrobial Activity and Demonstrate Different Ultrastructural Changes as the Parental Peptides Measured by BioSAXS. Frontiers in Pharmacology, 2021, 12, 769739.	1.6	6
6	Natural and Synthetic Halogenated Amino Acidsâ€"Structural and Bioactive Features in Antimicrobial Peptides and Peptidomimetics. Molecules, 2021, 26, 7401.	1.7	16
7	Peptide Inhibitors of Bacterial Protein Synthesis with Broad Spectrum and SbmA-Independent Bactericidal Activity against Clinical Pathogens. Journal of Medicinal Chemistry, 2020, 63, 9590-9602.	2.9	24
8	Characterization of Cetacean Proline-Rich Antimicrobial Peptides Displaying Activity against ESKAPE Pathogens. International Journal of Molecular Sciences, 2020, 21, 7367.	1.8	8
9	Sustainable, Siteâ€Specific Linkage of Antimicrobial Peptides to Cotton Textiles. Macromolecular Bioscience, 2020, 20, e2000199.	2.1	5
10	The Anti-Pseudomonal Peptide D-BMAP18 Is Active in Cystic Fibrosis Sputum and Displays Anti-Inflammatory In Vitro Activity. Microorganisms, 2020, 8, 1407.	1.6	5
11	New Antimicrobials Targeting Bacterial RNA Polymerase Holoenzyme Assembly Identified with an <i>in Vivo</i> BRET-Based Discovery Platform. ACS Chemical Biology, 2019, 14, 1727-1736.	1.6	10
12	Prolineâ€Rich Peptides with Improved Antimicrobial Activity against <i>E. coli</i>, <i>K. pneumoniae</i>, and <i>A. baumannii</i>. ChemMedChem, 2019, 14, 2025-2033.	1.6	35
13	Design, antimicrobial activity and mechanism of action of Arg-rich ultra-short cationic lipopeptides. PLoS ONE, 2019, 14, e0212447.	1.1	38
14	Search for Shorter Portions of the Prolineâ€Rich Antimicrobial Peptide Fragment Bac5(1â€"25) That Retain Antimicrobial Activity by Blocking Protein Synthesis. ChemMedChem, 2019, 14, 343-348.	1.6	17
15	Sub-MIC effects of a proline-rich antibacterial peptide on clinical isolates of Acinetobacter baumannii. Journal of Medical Microbiology, 2019, 68, 1253-1265.	0.7	16
16	Induced expression of cathelicidins in trout (<scp><i>Oncorhynchus mykiss</i></scp>) challenged with four different bacterial pathogens. Journal of Peptide Science, 2018, 24, e3089.	0.8	16
17	Fragments of the Nonlytic Proline-Rich Antimicrobial Peptide Bac5 Kill Escherichia coli Cells by Inhibiting Protein Synthesis. Antimicrobial Agents and Chemotherapy, 2018, 62, .	1.4	44
18	The Mechanism of Killing by the Proline-Rich Peptide Bac7(1â€"35) against Clinical Strains of Pseudomonas aeruginosa Differs from That against Other Gram-Negative Bacteria. Antimicrobial Agents and Chemotherapy, 2017, 61, .	1.4	31

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19	Proline-rich antimicrobial peptides targeting protein synthesis. Natural Product Reports, 2017, 34, 702-711.	5.2	132
20	Methods for Elucidating the Mechanism of Action of Proline-Rich and Other Non-lytic Antimicrobial Peptides. Methods in Molecular Biology, 2017, 1548, 283-295.	0.4	4
21	D-BMAP18 Antimicrobial Peptide Is Active In vitro, Resists to Pulmonary Proteases but Loses Its Activity in a Murine Model of Pseudomonas aeruginosa Lung Infection. Frontiers in Chemistry, 2017, 5, 40.	1.8	25
22	Cathelicidins. , 2016, , 225-237.		4
23	In vitro and in vivo evaluation of BMAP-derived peptides for the treatment of cystic fibrosis-related pulmonary infections. Amino Acids, 2016, 48, 2253-2260.	1.2	35
24	Antimicrobial and host cell-directed activities of Gly/Ser-rich peptides from salmonid cathelicidins. Fish and Shellfish Immunology, 2016, 59, 456-468.	1.6	22
25	Structure of the mammalian antimicrobial peptide Bac7(1â€"16) bound within the exit tunnel of a bacterial ribosome. Nucleic Acids Research, 2016, 44, 2429-2438.	6.5	89
26	The human cathelicidin LL-37 â€" A pore-forming antibacterial peptide and host-cell modulator. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 546-566.	1.4	263
27	Inner membrane proteins YgdD and SbmA are required for the complete susceptibility of Escherichia coli to the proline-rich antimicrobial peptide arasin 1(1â€"25). Microbiology (United Kingdom), 2016, 162, 601-609.	0.7	24
28	Single Cell Flow Cytometry Assay for Peptide Uptake by Bacteria. Bio-protocol, 2016, 6, .	0.2	9
29	Non-Membrane Permeabilizing Modes of Action of Antimicrobial Peptides on Bacteria. Current Topics in Medicinal Chemistry, 2015, 16, 76-88.	1.0	166
30	Lipopolysaccharide Phosphorylation by the WaaY Kinase Affects the Susceptibility of Escherichia coli to the Human Antimicrobial Peptide LL-37. Journal of Biological Chemistry, 2015, 290, 19933-19941.	1.6	18
31	PEGylation of the peptide Bac7(1â€"35) reduces renal clearance while retaining antibacterial activity and bacterial cell penetration capacity. European Journal of Medicinal Chemistry, 2015, 95, 210-219.	2.6	44
32	Effect of Size and N-Terminal Residue Characteristics on Bacterial Cell Penetration and Antibacterial Activity of the Proline-Rich Peptide Bac7. Journal of Medicinal Chemistry, 2015, 58, 1195-1204.	2.9	40
33	The Host Antimicrobial Peptide Bac71-35 Binds to Bacterial Ribosomal Proteins and Inhibits Protein Synthesis. Chemistry and Biology, 2014, 21, 1639-1647.	6.2	191
34	Enteric YaiW Is a Surface-Exposed Outer Membrane Lipoprotein That Affects Sensitivity to an Antimicrobial Peptide. Journal of Bacteriology, 2014, 196, 436-444.	1.0	21
35	Cellular Internalization and Cytotoxicity of the Antimicrobial Proline-rich Peptide Bac7(1-35) in Monocytes/Macrophages, and its Activity Against Phagocytosed Salmonella typhimurium. Protein and Peptide Letters, 2014, 21, 382-390.	0.4	12
36	Proteolytic Activity of Escherichia coli Oligopeptidase B Against Proline-Rich Antimicrobial Peptides. Journal of Microbiology and Biotechnology, 2014, 24, 160-167.	0.9	28

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37	Functional and Structural Study of the Dimeric Inner Membrane Protein SbmA. Journal of Bacteriology, 2013, 195, 5352-5361.	1.0	35
38	Functional Characterization of SbmA, a Bacterial Inner Membrane Transporter Required for Importing the Antimicrobial Peptide Bac7(1-35). Journal of Bacteriology, 2013, 195, 5343-5351.	1.0	84
39	Structure-Activity Relationships of the Antimicrobial Peptide Arasin 1 â€” And Mode of Action Studies of the N-Terminal, Proline-Rich Region. PLoS ONE, 2013, 8, e53326.	1.1	62
40	Use of Unnatural Amino Acids to Probe Structureâ€“Activity Relationships and Mode-of-Action of Antimicrobial Peptides. Methods in Molecular Biology, 2012, 794, 169-183.	0.4	5
41	Potential novel therapeutic strategies in cystic fibrosis: antimicrobial and anti-biofilm activity of natural and designed Î±-helical peptides against Staphylococcus aureus, Pseudomonas aeruginosa, and Stenotrophomonas maltophilia. BMC Microbiology, 2012, 12, 145.	1.3	79
42	Proline-rich antimicrobial peptides: converging to a non-lytic mechanism of action. Cellular and Molecular Life Sciences, 2011, 68, 2317-2330.	2.4	203
43	Role of Cathelicidin Peptides in Bovine Host Defense and Healing. Probiotics and Antimicrobial Proteins, 2010, 2, 12-20.	1.9	13
44	The proline-rich peptide Bac7(1-35) reduces mortality from Salmonella typhimurium in a mouse model of infection. BMC Microbiology, 2010, 10, 178.	1.3	53
45	Internalization of a thiazole-modified peptide in Sinorhizobium meliloti occurs by BacA-dependent and -independent mechanisms. Microbiology (United Kingdom), 2010, 156, 2702-2713.	0.7	31
46	Structural Aspects of Plant Antimicrobial Peptides. Current Protein and Peptide Science, 2010, 11, 210-219.	0.7	65
47	BacA Is Essential for Bacteroid Development in Nodules of Galegoid, but not Phaseoloid, Legumes. Journal of Bacteriology, 2010, 192, 2920-2928.	1.0	67
48	Rapid and Reliable Detection of Antimicrobial Peptide Penetration into Gram-Negative Bacteria Based on Fluorescence Quenching. Antimicrobial Agents and Chemotherapy, 2009, 53, 3501-3504.	1.4	64
49	Essential Role for the BacA Protein in the Uptake of a Truncated Eukaryotic Peptide in <i>Sinorhizobium meliloti</i>. Journal of Bacteriology, 2009, 191, 1519-1527.	1.0	71
50	The Proline-rich Antibacterial Peptide Bac7 Binds to and Inhibits in vitro the Molecular Chaperone DnaK. International Journal of Peptide Research and Therapeutics, 2009, 15, 147-155.	0.9	55
51	The salmonid cathelicidins: A gene family with highly varied C-terminal antimicrobial domains. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2009, 152, 376-381.	0.7	43
52	Investigating the Mode of Action of Proline-Rich Antimicrobial Peptides Using a Genetic Approach: A Tool to Identify New Bacterial Targets Amenable to the Design of Novel Antibiotics. Methods in Molecular Biology, 2008, 494, 161-176.	0.4	14
53	Role of the <i>Escherichia coli</i> SbmA in the antimicrobial activity of prolineâ€‘rich peptides. Molecular Microbiology, 2007, 66, 151-163.	1.2	204
54	Dual mode of action of Bac7, a proline-rich antibacterial peptide. Biochimica Et Biophysica Acta - General Subjects, 2006, 1760, 1732-1740.	1.1	116

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55	Fungicidal activity of five cathelicidin peptides against clinically isolated yeasts. Journal of Antimicrobial Chemotherapy, 2006, 58, 950-959.	1.3	125
56	Structural aspects and biological properties of the cathelicidin PMAP-36. FEBS Journal, 2005, 272, 4398-4406.	2.2	51
57	Genome-Wide Transcriptional Profiling of the Escherichia coli Response to a Proline-Rich Antimicrobial Peptide. Antimicrobial Agents and Chemotherapy, 2004, 48, 3260-3267.	1.4	35
58	Antimicrobial activity of Bac7 fragments against drug-resistant clinical isolates. Peptides, 2004, 25, 2055-2061.	1.2	86
59	Inducible expression of an antimicrobial peptide of the innate immunity in polymorphonuclear leukocytes. Journal of Leukocyte Biology, 2002, 72, 1003-10.	1.5	26
60	Structural and Functional Analysis of Horse Cathelicidin Peptides. Antimicrobial Agents and Chemotherapy, 2001, 45, 715-722.	1.4	42
61	Structure and Biology of Cathelicidins. , 2000, 479, 203-218.		115
62	Novel cathelicidins in horse leukocytes. FEBS Letters, 1999, 457, 459-464.	1.3	57
63	Structural organization of the bovine cathelicidin gene family and identification of a novel member1. FEBS Letters, 1997, 417, 311-315.	1.3	90
64	cDNA sequences of three sheep myeloid cathelicidins. FEBS Letters, 1995, 376, 225-228.	1.3	98
65	PMAP-37, a Novel Antibacterial Peptide from Pig Myeloid Cells. cDNA Cloning, Chemical Synthesis and Activity. FEBS Journal, 1995, 228, 941-946.	0.2	90
66	Molecular cloning of Bac7, a proline- and arginine-rich antimicrobial peptide from bovine neutrophils. FEBS Letters, 1994, 352, 197-200.	1.3	47
67	Chemical synthesis and biological activity of a novel antibacterial peptide deduced from a pig myeloid cDNA. FEBS Letters, 1994, 337, 303-307.	1.3	105
68	Identification and characterization of a primary antibacterial domain in CAP18, a lipopolysaccharide binding protein from rabbit leukocytes. FEBS Letters, 1994, 339, 108-112.	1.3	94
69	Proteolytic cleavage by neutrophil elastase converts inactive storage proforms to antibacterial bactenecins. FEBS Journal, 1992, 209, 589-595.	0.2	143