Weng C Chan

List of Publications by Year
in descending order

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75 papers	4,321 citations	117571 34 h-index	106281 65 g-index
84 all docs	84 docs citations	84 times ranked	5310 citing authors

#	Article	IF	Citations
1	A Pseudomonas aeruginosa PQS quorum-sensing system inhibitor with anti-staphylococcal activity sensitizes polymicrobial biofilms to tobramycin. Cell Chemical Biology, 2022, 29, 1187-1199.e6.	2.5	20
2	Actinomadura graeca sp. nov.: A novel producer of the macrocyclic antibiotic zelkovamycin. PLoS ONE, 2021, 16, e0260413.	1.1	7
3	Clostridioides difficile: innovations in target discovery and potential for therapeutic success. Expert Opinion on Therapeutic Targets, 2021, , 1-15.	1.5	5
4	Gaussia Luciferase as a Reporter for Quorum Sensing in Staphylococcus aureus. Sensors, 2020, 20, 4305.	2.1	1
5	Timing Is Everything: Impact of Naturally Occurring Staphylococcus aureus AgrC Cytoplasmic Domain Adaptive Mutations on Autoinduction. Journal of Bacteriology, 2019, 201, .	1.0	19
6	Rational Design and Synthesis of Modified Teixobactin Analogues: In Vitro Antibacterial Activity against Staphylococcus aureus, Propionibacterium acnes and Pseudomonas aeruginosa. Chemistry - A European Journal, 2018, 24, 9136-9147.	1.7	31
7	5-Hydroxyethyl-3-tetradecanoyltetramic acid represents a novel treatment for intravascular catheter infections due toStaphylococcus aureus. Journal of Antimicrobial Chemotherapy, 2016, 72, dkw482.	1.3	5
8	New Found Hope for Antibiotic Discovery: Lipid II Inhibitors. Chemistry - A European Journal, 2016, 22, 12606-12616.	1.7	38
9	Controlled intracellular generation of reactive oxygen species in human mesenchymal stem cells using porphyrin conjugated nanoparticles. Nanoscale, 2015, 7, 14525-14531.	2.8	23
10	An appraisal of the Suzuki cross-coupling reaction for the synthesis of novel fluorescent coumarin derivatives. Tetrahedron Letters, 2014, 55, 5521-5524.	0.7	11
11	Targeting Staphylococcus aureus Quorum Sensing with Nonpeptidic Small Molecule Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 2813-2819.	2.9	74
12	A facile approach to tryptophan derivatives for the total synthesis of argyrin analogues. Organic and Biomolecular Chemistry, 2014, 12, 9764-9768.	1.5	27
13	Enhanced uptake of nanoparticle drug carriers via a thermoresponsive shell enhances cytotoxicity in a cancer cell line. Biomaterials Science, 2013, 1, 434.	2.6	63
14	Attenuating Staphylococcus aureus Virulence Gene Regulation: A Medicinal Chemistry Perspective. Journal of Medicinal Chemistry, 2013, 56, 1389-1404.	2.9	132
15	Methicillin Resistance Reduces the Virulence of Healthcare-Associated Methicillin-Resistant Staphylococcus aureus by Interfering With the agr Quorum Sensing System. Journal of Infectious Diseases, 2012, 205, 798-806.	1.9	124
16	Synthetic peptides derived from an Nâ€terminal domain of the E2 protein of GB virus C in the study of GBVâ€C/HIVâ€1 coâ€infection. Journal of Peptide Science, 2012, 18, 326-335.	0.8	3
17	Protease sensing with nanoparticle based platforms. Analyst, The, 2011, 136, 29-41.	1.7	61
18	End-stapled homo and hetero collagen triple helices: a click chemistry approach. Chemical Communications, 2011, 47, 2589-2591.	2.2	29

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19	Thermoresponsive Polymer Colloids for Drug Delivery and Cancer Therapy. Macromolecular Bioscience, 2011, 11, 1722-1734.	2.1	90
20	Synthetic Approach to the B-Ring of the Peptide Antibiotic Nisin. Journal of Pharmacy and Pharmacology, 2011, 42, 69P-69P.	1.2	3
21	Regulation of Neurotoxin Production and Sporulation by a Putative agrBD Signaling System in Proteolytic Clostridium botulinum. Applied and Environmental Microbiology, 2010, 76, 4448-4460.	1.4	108
22	5-Carboxyfluorescein tagged N-phenylanthranilamide as a tracer reagent for fluorescence polarization: a robust method to screen MAPK pathway allosteric inhibitors. Chemical Communications, 2010, 46, 2043.	2.2	1
23	A facile method to clickable sensing polymeric nanoparticles. Chemical Communications, 2009, , 6601.	2.2	36
24	Facile synthesis of responsive nanoparticles with reversible, tunable and rapid thermal transitions from biocompatible constituents. Chemical Communications, 2009, , 6068.	2.2	21
25	Protease responsive nanoprobes with tethered fluorogenic peptidyl 3-arylcoumarin substrates. Chemical Communications, 2009, , 671-673.	2.2	22
26	Targeting of polyamidoamineâ€“DNA nanoparticles using the Staudinger ligation: Attachment of an RGD motif either before or after complexation. Bioorganic and Medicinal Chemistry, 2008, 16, 6641-6650.	1.4	26
27	A macroporous polymer-supported cyclic anhydride for efficient sequestration of amines. Tetrahedron Letters, 2008, 49, 6160-6162.	0.7	5
28	Differential Recognition of Staphylococcus aureus Quorum-Sensing Signals Depends on Both Extracellular Loops 1 and 2 of the Transmembrane Sensor AgrC. Journal of Molecular Biology, 2008, 381, 300-309.	2.0	64
29	Molecular Mechanism of Target Recognition by Subtilin, a Class I Lanthionine Antibiotic. Antimicrobial Agents and Chemotherapy, 2008, 52, 612-618.	1.4	88
30	Look who's talking: communication and quorum sensing in the bacterial world. Philosophical Transactions of the Royal Society B: Biological Sciences, 2007, 362, 1119-1134.	1.8	657
31	Internally quenched peptides for the study of lysostaphin: an antimicrobial protease that kills Staphylococcus aureus. Organic and Biomolecular Chemistry, 2006, 4, 3626.	1.5	24
32	Antigenicity of chimeric and cyclic synthetic peptides based on nonstructural proteins of GBV-C/HGV. Journal of Peptide Science, 2006, 12, 267-278.	0.8	10
33	Discovery of Antagonist Peptides against Bacterial Helicase-Primase Interaction in B. stearothermophilus by Reverse Yeast Three-Hybrid. Chemistry and Biology, 2005, 12, 595-604.	6.2	8
34	Atomic Force Microscopy Study of Human Amylin (20-29) Fibrils. Protein and Peptide Letters, 2005, 12, 79-83.	0.4	15
35	Modulation of pRb/E2F Functions in the Regulation of Cell Cycle and in Cancer. Current Cancer Drug Targets, 2005, 5, 159-170.	0.8	57
36	Virulence Regulation and Quorum Sensing in Staphylococcal Infections: Competitive AgrC Antagonists as Quorum Sensing Inhibitors. ChemInform, 2004, 35, no.	0.1	0

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37	Expedient synthesis of a novel class of pseudoaromatic amino acids: tetrahydroindazol-3-yl- and tetrahydrobenzisoxazol-3-ylalanine derivatives. Tetrahedron Letters, 2004, 45, 1237-1242.	0.7	13
38	Virulence Regulation and Quorum Sensing in Staphylococcal Infections:Â Competitive AgrC Antagonists as Quorum Sensing InhibitorsÂ§. Journal of Medicinal Chemistry, 2004, 47, 4633-4641.	2.9	96
39	Side-chain-to-tail thiolactone peptide inhibitors of the staphylococcal quorum-sensing system. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 2449-2453.	1.0	45
40	Liposome entrapment and immunogenic studies of a synthetic lipophilic multiple antigenic peptide bearing VP1 and VP3 domains of the hepatitis A virus: a robust method for vaccine design. FEBS Letters, 2003, 540, 133-140.	1.3	32
41	Nasal Immunization with Homogenate and Peptide Antigens Induces Protective Immunity against Trichinella spiralis. Infection and Immunity, 2002, 70, 7149-7152.	1.0	44
42	Homochiral 4-Azalysine Building Blocks:Â Syntheses and Applications in Solid-Phase Chemistry1. Journal of Organic Chemistry, 2002, 67, 4017-4029.	1.7	46
43	Peptide inhibitors of CDK2-cyclin A that target the cyclin recruitment-Site: structural variants of the C-Terminal Phe. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 2501-2505.	1.0	18
44	Controlling Biological Interactions with Poly(lactic acid) by Surface Entrapment Modification. Langmuir, 2001, 17, 2817-2820.	1.6	66
45	agr Expression Precedes Escape of Internalized Staphylococcus aureus from the Host Endosome. Infection and Immunity, 2001, 69, 7074-7082.	1.0	162
46	Structure, activity and evolution of the group I thiolactone peptide quorum-sensing system of Staphylococcus aureus. Molecular Microbiology, 2001, 41, 503-512.	1.2	189
47	Poly(l-lysine)â€“GRGDS as a biomimetic surface modifier for poly(lactic acid). Biomaterials, 2001, 22, 865-872.	5.7	216
48	Human defensin 5 is stored in precursor form in normal Paneth cells and is expressed by some villous epithelial cells and by metaplastic Paneth cells in the colon in inflammatory bowel disease. Gut, 2001, 48, 176-185.	6.1	193
49	Probing proteinâ€“peptideâ€“protein molecular architecture by atomic force microscopy and surface plasmon resonance. Analyst, The, 2000, 125, 245-250.	1.7	15
50	A Versatile Polymer-Supported 4-(4-Methylphenyl(chloro)methyl)phenoxy Linker for Solid-Phase Synthesis of Pseudopeptides. Journal of Organic Chemistry, 2000, 65, 5048-5056.	1.7	20
51	Interaction of the Lantibiotic Nisin with Mixed Lipid Bilayers:â€‰ A 31P and 2H NMR Study. Biochemistry, 2000, 39, 11425-11433.	1.2	76
52	Human defensin-5 (HD-5) is processed upon paneth cell granule secretion, and its expression is induced in inflammatory bowel disease (IBD). Gastroenterology, 2000, 118, A814.	0.6	1
53	Resin-bound dendrimers as high loading supports for solid phase chemistry. Tetrahedron Letters, 1999, 40, 4909-4912.	0.7	28
54	Synthesis of novel, orthogonally protected multifunctional amino acids. Tetrahedron Letters, 1999, 40, 4905-4908.	0.7	10

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55	An appraisal of new variants of Dde amine protecting group for solid phase peptide synthesis. Tetrahedron Letters, 1998, 39, 1603-1606.	0.7	123
56	Solid phase strategies: Applications of 2-acetyl-4-nitroindane-1,3-dione as a selective protecting group for primary amines. Tetrahedron, 1998, 54, 6817-6832.	1.0	19
57	4-[2,4-Dimethoxyphenyl(N-fluoren-9-ylmethoxycarbonyl-N-alkylaminooxy)-methyl]phenoxymethyl polystyrene: a multiple solid-phase approach to N-alkylhydroxamic acids. Chemical Communications, 1997, , 2005.	2.2	21
58	N-Fmoc-aminooxy-2-chlorotrityl polystyrene resin: A facile solid-phase methodology for the synthesis of hydroxamic acids. Tetrahedron Letters, 1997, 38, 3311-3314.	0.7	94
59	Transient affinity tags based on the Dde protection/deprotection strategy: Synthesis and application of 2-biotinyl-and 2-hexanoyldimedone. Tetrahedron Letters, 1997, 38, 5391-5394.	0.7	21
60	Structure-activity relationships in the peptide antibiotic nisin: antibacterial activity of fragments of nisin. FEBS Letters, 1996, 390, 129-132.	1.3	107
61	Multiple solid phase synthesis of (RS)-1-aminophosphinic acids. Tetrahedron Letters, 1996, 37, 1647-1650.	0.7	38
62	Dde â€" A selective primary amine protecting group: A facile solid phase synthetic approach to polyamine conjugates. Tetrahedron Letters, 1996, 37, 2625-2628.	0.7	93
63	Porous graphitic carbon for the chromatographic separation of O-tetraacetyl-Î²-d-glucopyranosyl isothiocyanate-derivatised amino acid enantiomers. Journal of Chromatography A, 1995, 697, 213-217.	1.8	21
64	A novel 4-aminobenzyl ester-based carboxy-protecting group for synthesis of atypical peptides by Fmoc-But solid-phase chemistry. Journal of the Chemical Society Chemical Communications, 1995, , 2209.	2.0	67
65	Facile synthesis of protected C-terminal peptide segments by Fmoc/But solid-phase procedures on N-Fmoc-9-amino-xanthen-3-yloxymethyl polystyrene resin. Journal of the Chemical Society Chemical Communications, 1995, , 589.	2.0	18
66	Reductive alkylation of 9-amino-xanthen-3-yloxymethylpoly(styrene): a novel procedure for the synthesis of peptidyl N-alkyl amides by Fmoc/But chemistry. Journal of the Chemical Society Chemical Communications, 1995, , 1475.	2.0	29
67	Synthesis of the Spider Toxins Nephilatoxin-9 and -11 by a Novel Solid-Phase Strategy. Journal of the American Chemical Society, 1994, 116, 7415-7416.	6.6	47
68	A novel lysine-protecting procedure for continuous flow solid phase synthesis of branched peptides. Journal of the Chemical Society Chemical Communications, 1993, , 778.	2.0	164
69	A novel amino protectionâ€"deprotection procedure and its application in solid phase peptide synthesis. Journal of the Chemical Society Chemical Communications, 1993, , 776-777.	2.0	25
70	Sequence-specific resonance assignment and conformational analysis of subtilin by 2D NMR. FEBS Letters, 1992, 300, 56-62.	1.3	36
71	Quantitative analysis of nisin in culture broths of producing Lactococcus lactis by RPHPLC. , 1991, , 320-322.		0
72	C595 â€" a monoclonal antibody against the protein core of human urinary epithelial mucin commonly expressed in breast carcinomas. British Journal of Cancer, 1990, 61, 681-686.	2.9	75

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73	Confirmation of the structure of nisin by complete 1H n.m.r. resonance assignment in aqueous and dimethyl sulphoxide solution. Journal of the Chemical Society Perkin Transactions 1, 1989, , 2359.	0.9	39
74	Isolation and characterisation of two degradation products derived from the peptide antibiotic nisin. FEBS Letters, 1989, 252, 29-36.	1.3	99
75	Quantifiable correlation of ToFâ€SIMS and XPS data from polymer surfaces with controlled amino acid and peptide content. Surface and Interface Analysis, 0, , .	0.8	1