

Weng C Chan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2628437/publications.pdf>

Version: 2024-02-01

75
papers

4,321
citations

117619

34
h-index

106340

65
g-index

84
all docs

84
docs citations

84
times ranked

5310
citing authors

#	ARTICLE	IF	CITATIONS
1	Look who's talking: communication and quorum sensing in the bacterial world. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2007, 362, 1119-1134.	4.0	657
2	Poly(L-lysine)-GGRGDS as a biomimetic surface modifier for poly(lactic acid). <i>Biomaterials</i> , 2001, 22, 865-872.	11.4	216
3	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. <i>Gut</i> , 2001, 48, 176-185.	12.1	193
4	Structure, activity and evolution of the group I thiolactone peptide quorum-sensing system of <i>Staphylococcus aureus</i> . <i>Molecular Microbiology</i> , 2001, 41, 503-512.	2.5	189
5	A novel lysine-protecting procedure for continuous flow solid phase synthesis of branched peptides. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 778.	2.0	164
6	Expression Precedes Escape of Internalized <i>Staphylococcus aureus</i> from the Host Endosome. <i>Infection and Immunity</i> , 2001, 69, 7074-7082.	2.2	162
7	Attenuating <i>Staphylococcus aureus</i> Virulence Gene Regulation: A Medicinal Chemistry Perspective. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 1389-1404.	6.4	132
8	Methicillin Resistance Reduces the Virulence of Healthcare-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> by Interfering With the agr Quorum Sensing System. <i>Journal of Infectious Diseases</i> , 2012, 205, 798-806.	4.0	124
9	An appraisal of new variants of Dde amine protecting group for solid phase peptide synthesis. <i>Tetrahedron Letters</i> , 1998, 39, 1603-1606.	1.4	123
10	Regulation of Neurotoxin Production and Sporulation by a Putative <i>agrBD</i> Signaling System in Proteolytic <i>Clostridium botulinum</i> . <i>Applied and Environmental Microbiology</i> , 2010, 76, 4448-4460.	3.1	108
11	Structure-activity relationships in the peptide antibiotic nisin: antibacterial activity of fragments of nisin. <i>FEBS Letters</i> , 1996, 390, 129-132.	2.8	107
12	Isolation and characterisation of two degradation products derived from the peptide antibiotic nisin. <i>FEBS Letters</i> , 1989, 252, 29-36.	2.8	99
13	Virulence Regulation and Quorum Sensing in Staphylococcal Infections: Competitive AgrC Antagonists as Quorum Sensing Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 4633-4641.	6.4	96
14	N-Fmoc-aminoxy-2-chlorotrityl polystyrene resin: A facile solid-phase methodology for the synthesis of hydroxamic acids. <i>Tetrahedron Letters</i> , 1997, 38, 3311-3314.	1.4	94
15	Dde - A selective primary amine protecting group: A facile solid phase synthetic approach to polyamine conjugates. <i>Tetrahedron Letters</i> , 1996, 37, 2625-2628.	1.4	93
16	Thermoresponsive Polymer Colloids for Drug Delivery and Cancer Therapy. <i>Macromolecular Bioscience</i> , 2011, 11, 1722-1734.	4.1	90
17	Molecular Mechanism of Target Recognition by Subtilin, a Class I Lanthionine Antibiotic. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 612-618.	3.2	88
18	Interaction of the Lantibiotic Nisin with Mixed Lipid Bilayers: A 31P and 2H NMR Study. <i>Biochemistry</i> , 2000, 39, 11425-11433.	2.5	76

#	ARTICLE	IF	CITATIONS
19	C595 is a monoclonal antibody against the protein core of human urinary epithelial mucin commonly expressed in breast carcinomas. <i>British Journal of Cancer</i> , 1990, 61, 681-686.	6.4	75
20	Targeting <i>Staphylococcus aureus</i> Quorum Sensing with Nonpeptidic Small Molecule Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 2813-2819.	6.4	74
21	A novel 4-aminobenzyl ester-based carboxy-protecting group for synthesis of atypical peptides by Fmoc-But solid-phase chemistry. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 2209.	2.0	67
22	Controlling Biological Interactions with Poly(lactic acid) by Surface Entrapment Modification. <i>Langmuir</i> , 2001, 17, 2817-2820.	3.5	66
23	Differential Recognition of <i>Staphylococcus aureus</i> Quorum-Sensing Signals Depends on Both Extracellular Loops 1 and 2 of the Transmembrane Sensor AgrC. <i>Journal of Molecular Biology</i> , 2008, 381, 300-309.	4.2	64
24	Enhanced uptake of nanoparticle drug carriers via a thermoresponsive shell enhances cytotoxicity in a cancer cell line. <i>Biomaterials Science</i> , 2013, 1, 434.	5.4	63
25	Protease sensing with nanoparticle based platforms. <i>Analyst</i> , The, 2011, 136, 29-41.	3.5	61
26	Modulation of pRb/E2F Functions in the Regulation of Cell Cycle and in Cancer. <i>Current Cancer Drug Targets</i> , 2005, 5, 159-170.	1.6	57
27	Synthesis of the Spider Toxins Nephilatoxin-9 and -11 by a Novel Solid-Phase Strategy. <i>Journal of the American Chemical Society</i> , 1994, 116, 7415-7416.	13.7	47
28	Homochiral 4-Azalyisine Building Blocks: Syntheses and Applications in Solid-Phase Chemistry1. <i>Journal of Organic Chemistry</i> , 2002, 67, 4017-4029.	3.2	46
29	Side-chain-to-tail thiolactone peptide inhibitors of the staphylococcal quorum-sensing system. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 2449-2453.	2.2	45
30	Nasal Immunization with Homogenate and Peptide Antigens Induces Protective Immunity against <i>Trichinella spiralis</i> . <i>Infection and Immunity</i> , 2002, 70, 7149-7152.	2.2	44
31	Confirmation of the structure of nisin by complete 1H n.m.r. resonance assignment in aqueous and dimethyl sulphoxide solution. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1989, , 2359.	0.9	39
32	Multiple solid phase synthesis of (RS)-1-aminophosphinic acids. <i>Tetrahedron Letters</i> , 1996, 37, 1647-1650.	1.4	38
33	New Found Hope for Antibiotic Discovery: Lipid II Inhibitors. <i>Chemistry - A European Journal</i> , 2016, 22, 12606-12616.	3.3	38
34	Sequence-specific resonance assignment and conformational analysis of subtilin by 2D NMR. <i>FEBS Letters</i> , 1992, 300, 56-62.	2.8	36
35	A facile method to clickable sensing polymeric nanoparticles. <i>Chemical Communications</i> , 2009, , 6601.	4.1	36
36	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. <i>FEBS Letters</i> , 2003, 540, 133-140.	2.8	32

#	ARTICLE	IF	CITATIONS
37	Rational Design and Synthesis of Modified Teixobactin Analogues: In Vitro Antibacterial Activity against <i>Staphylococcus aureus</i> , <i>Propionibacterium acnes</i> and <i>Pseudomonas aeruginosa</i> . <i>Chemistry - A European Journal</i> , 2018, 24, 9136-9147.	3.3	31
38	Reductive alkylation of 9-amino-xanthen-3-yloxymethylpoly(styrene): a novel procedure for the synthesis of peptidyl N-alkyl amides by Fmoc/But chemistry. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 1475.	2.0	29
39	End-stapled homo and hetero collagen triple helices: a click chemistry approach. <i>Chemical Communications</i> , 2011, 47, 2589-2591.	4.1	29
40	Resin-bound dendrimers as high loading supports for solid phase chemistry. <i>Tetrahedron Letters</i> , 1999, 40, 4909-4912.	1.4	28
41	A facile approach to tryptophan derivatives for the total synthesis of argyrin analogues. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 9764-9768.	2.8	27
42	Targeting of polyamidoamine-DNA nanoparticles using the Staudinger ligation: Attachment of an RGD motif either before or after complexation. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 6641-6650.	3.0	26
43	A novel amino protection-deprotection procedure and its application in solid phase peptide synthesis. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 776-777.	2.0	25
44	Internally quenched peptides for the study of lysostaphin: an antimicrobial protease that kills <i>Staphylococcus aureus</i> . <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3626.	2.8	24
45	Controlled intracellular generation of reactive oxygen species in human mesenchymal stem cells using porphyrin conjugated nanoparticles. <i>Nanoscale</i> , 2015, 7, 14525-14531.	5.6	23
46	Protease responsive nanoprobe with tethered fluorogenic peptidyl 3-aryl coumarin substrates. <i>Chemical Communications</i> , 2009, , 671-673.	4.1	22
47	Porous graphitic carbon for the chromatographic separation of O-tetraacetyl- β -D-glucopyranosyl isothiocyanate-derivatised amino acid enantiomers. <i>Journal of Chromatography A</i> , 1995, 697, 213-217.	3.7	21
48	4-[2,4-Dimethoxyphenyl(N-fluoren-9-ylmethoxycarbonyl-N-alkylaminoxy)-methyl]phenoxy methyl polystyrene: a multiple solid-phase approach to N-alkylhydroxamic acids. <i>Chemical Communications</i> , 1997, , 2005.	4.1	21
49	Transient affinity tags based on the Dde protection/deprotection strategy: Synthesis and application of 2-biotinyl- and 2-hexanoyldimide. <i>Tetrahedron Letters</i> , 1997, 38, 5391-5394.	1.4	21
50	Facile synthesis of responsive nanoparticles with reversible, tunable and rapid thermal transitions from biocompatible constituents. <i>Chemical Communications</i> , 2009, , 6068.	4.1	21
51	A Versatile Polymer-Supported 4-(4-Methylphenyl(chloro)methyl)phenoxy Linker for Solid-Phase Synthesis of Pseudopeptides. <i>Journal of Organic Chemistry</i> , 2000, 65, 5048-5056.	3.2	20
52	A <i>Pseudomonas aeruginosa</i> PQS quorum-sensing system inhibitor with anti-staphylococcal activity sensitizes polymicrobial biofilms to tobramycin. <i>Cell Chemical Biology</i> , 2022, 29, 1187-1199.e6.	5.2	20
53	Solid phase strategies: Applications of 2-acetyl-4-nitroindane-1,3-dione as a selective protecting group for primary amines. <i>Tetrahedron</i> , 1998, 54, 6817-6832.	1.9	19
54	Timing Is Everything: Impact of Naturally Occurring <i>Staphylococcus aureus</i> AgrC Cytoplasmic Domain Adaptive Mutations on Autoinduction. <i>Journal of Bacteriology</i> , 2019, 201, .	2.2	19

#	ARTICLE	IF	CITATIONS
55	Facile synthesis of protected C-terminal peptide segments by Fmoc/But solid-phase procedures on N-Fmoc-9-amino-xanthen-3-yloxymethyl polystyrene resin. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 589.	2.0	18
56	Peptide inhibitors of CDK2-cyclin A that target the cyclin recruitment-Site: structural variants of the C-Terminal Phe. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 2501-2505.	2.2	18
57	Probing proteinâ€™peptideâ€™protein molecular architecture by atomic force microscopy and surface plasmon resonance. <i>Analyst, The</i> , 2000, 125, 245-250.	3.5	15
58	Atomic Force Microscopy Study of Human Amylin (20-29) Fibrils. <i>Protein and Peptide Letters</i> , 2005, 12, 79-83.	0.9	15
59	Expedient synthesis of a novel class of pseudoaromatic amino acids: tetrahydroindazol-3-yl- and tetrahydrobenzoxazol-3-ylalanine derivatives. <i>Tetrahedron Letters</i> , 2004, 45, 1237-1242.	1.4	13
60	An appraisal of the Suzuki cross-coupling reaction for the synthesis of novel fluorescent coumarin derivatives. <i>Tetrahedron Letters</i> , 2014, 55, 5521-5524.	1.4	11
61	Synthesis of novel, orthogonally protected multifunctional amino acids. <i>Tetrahedron Letters</i> , 1999, 40, 4905-4908.	1.4	10
62	Antigenicity of chimeric and cyclic synthetic peptides based on nonstructural proteins of GBV-C/HGV. <i>Journal of Peptide Science</i> , 2006, 12, 267-278.	1.4	10
63	Discovery of Antagonist Peptides against Bacterial Helicase-Primase Interaction in <i>B. stearothermophilus</i> by Reverse Yeast Three-Hybrid. <i>Chemistry and Biology</i> , 2005, 12, 595-604.	6.0	8
64	<i>Actinomadura graeca</i> sp. nov.: A novel producer of the macrocyclic antibiotic zelvomycin. <i>PLoS ONE</i> , 2021, 16, e0260413.	2.5	7
65	A macroporous polymer-supported cyclic anhydride for efficient sequestration of amines. <i>Tetrahedron Letters</i> , 2008, 49, 6160-6162.	1.4	5
66	5-Hydroxyethyl-3-tetradecanoyltetramic acid represents a novel treatment for intravascular catheter infections due to <i>Staphylococcus aureus</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 72, dkw482.	3.0	5
67	<i>Clostridioides difficile</i> : innovations in target discovery and potential for therapeutic success. <i>Expert Opinion on Therapeutic Targets</i> , 2021, , 1-15.	3.4	5
68	Synthetic Approach to the B-Ring of the Peptide Antibiotic Nisin. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 42, 69P-69P.	2.4	3
69	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. <i>Journal of Peptide Science</i> , 2012, 18, 326-335.	1.4	3
70	Human defensin-5 (HD-5) is processed upon paneth cell granule secretion, and its expression is induced in inflammatory bowel disease (IBD). <i>Gastroenterology</i> , 2000, 118, A814.	1.3	1
71	5-Carboxyfluorescein tagged N-phenylanthranilamide as a tracer reagent for fluorescence polarization: a robust method to screen MAPK pathway allosteric inhibitors. <i>Chemical Communications</i> , 2010, 46, 2043.	4.1	1
72	Gaussia Luciferase as a Reporter for Quorum Sensing in <i>Staphylococcus aureus</i> . <i>Sensors</i> , 2020, 20, 4305.	3.8	1

#	ARTICLE	IF	CITATIONS
73	Quantifiable correlation of ToF-SIMS and XPS data from polymer surfaces with controlled amino acid and peptide content. <i>Surface and Interface Analysis</i> , 0, , .	1.8	1
74	Virulence Regulation and Quorum Sensing in Staphylococcal Infections: Competitive AgrC Antagonists as Quorum Sensing Inhibitors. <i>ChemInform</i> , 2004, 35, no.	0.0	0
75	Quantitative analysis of nisin in culture broths of producing <i>Lactococcus lactis</i> by RPHPLC. , 1991, , 320-322.		0