

Yftah Tal-Gan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48
papers

783
citations

16
h-index

26
g-index

52
ext. papers

979
ext. citations

5.3
avg, IF

4.61
L-index

#	Paper	IF	Citations
48	Highly potent inhibitors of quorum sensing in <i>Staphylococcus aureus</i> revealed through a systematic synthetic study of the group-III autoinducing peptide. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7869-82	16.4	95
47	Microwave-assisted solid-phase aza-peptide synthesis: aza scan of a PKB/Akt inhibitor using aza-arginine and aza-proline precursors. <i>Journal of Organic Chemistry</i> , 2011 , 76, 3078-85	4.2	51
46	Highly Stable, Amide-Bridged Autoinducing Peptide Analogues that Strongly Inhibit the AgrC Quorum Sensing Receptor in <i>Staphylococcus aureus</i> . <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8913-7	16.4	45
45	Nanoporous Superhydrophobic Coatings that Promote the Extended Release of Water-Labile Quorum Sensing Inhibitors and Enable Long-Term Modulation of Quorum Sensing in. <i>ACS Biomaterials Science and Engineering</i> , 2015 , 1, 1039-1049	5.5	35
44	Structural characterization of native autoinducing peptides and abiotic analogues reveals key features essential for activation and inhibition of an AgrC quorum sensing receptor in <i>Staphylococcus aureus</i> . <i>Journal of the American Chemical Society</i> , 2013 , 135, 18436-44	16.4	35
43	Characterization of structural elements in native autoinducing peptides and non-native analogues that permit the differential modulation of AgrC-type quorum sensing receptors in <i>Staphylococcus aureus</i> . <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 113-21	3.9	33
42	Structure-Function Analyses of a <i>Staphylococcus epidermidis</i> Autoinducing Peptide Reveals Motifs Critical for AgrC-type Receptor Modulation. <i>ACS Chemical Biology</i> , 2016 , 11, 1982-91	4.9	32
41	Novel method for the synthesis of urea backbone cyclic peptides using new Alloc-protected glycine building units. <i>Journal of Peptide Science</i> , 2010 , 16, 178-85	2.1	29
40	Structure-Activity Relationships of the Competence Stimulating Peptides (CSPs) in <i>Streptococcus pneumoniae</i> Reveal Motifs Critical for Intra-group and Cross-group ComD Receptor Activation. <i>ACS Chemical Biology</i> , 2017 , 12, 1141-1151	4.9	28
39	Simplified AIP-II Peptidomimetics Are Potent Inhibitors of <i>Staphylococcus aureus</i> AgrC Quorum Sensing Receptors. <i>ChemBioChem</i> , 2017 , 18, 413-423	3.8	27
38	N-Methyl and peptoid scans of an autoinducing peptide reveal new structural features required for inhibition and activation of AgrC quorum sensing receptors in <i>Staphylococcus aureus</i> . <i>Chemical Communications</i> , 2014 , 50, 3000-3	5.8	26
37	Surface coatings that promote rapid release of peptide-based AgrC inhibitors for attenuation of quorum sensing in <i>Staphylococcus aureus</i> . <i>Advanced Healthcare Materials</i> , 2014 , 3, 97-105	10.1	26
36	Backbone cyclic peptide inhibitors of protein kinase B (PKB/Akt). <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 5154-64	8.3	24
35	Synthesis and structure-activity relationship studies of peptidomimetic PKB/Akt inhibitors: the significance of backbone interactions. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 2976-85	3.4	24
34	Structure-Activity Relationships of the Competence Stimulating Peptide in <i>Streptococcus mutans</i> Reveal Motifs Critical for Membrane Protease SepM Recognition and ComD Receptor Activation. <i>ACS Infectious Diseases</i> , 2018 , 4, 1385-1394	5.5	17
33	Developing potent backbone cyclic peptides bearing the shared epitope sequence as rheumatoid arthritis drug-leads. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 493-6	2.9	16
32	Development of a Dominant Negative Competence-Stimulating Peptide (dnCSP) that Attenuates <i>Streptococcus pneumoniae</i> Infectivity in a Mouse Model of Acute Pneumonia. <i>ChemBioChem</i> , 2018 , 19, 2380-2386	3.8	16

31	Designing cyclic competence-stimulating peptide (CSP) analogs with pan-group quorum-sensing inhibition activity in. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 1689-1699	11.5	15
30	Metabolic stability of peptidomimetics: N-methyl and aza heptapeptide analogs of a PKB/Akt inhibitor. <i>Chemical Biology and Drug Design</i> , 2011 , 78, 887-92	2.9	15
29	An Entirely Solid Phase Peptide Synthesis-Based Strategy for Synthesis of Gelatinase Biosynthesis-Activating Pheromone (GBAP) Analogue Libraries: Investigating the Structure-Activity Relationships of the Enterococcus faecalis Quorum Sensing Signal. <i>Organic Letters</i> , 2017 , 19, 3295-3298	6.2	14
28	Structural Characterization of Competence-Stimulating Peptide Analogues Reveals Key Features for ComD1 and ComD2 Receptor Binding in Streptococcus pneumoniae. <i>Biochemistry</i> , 2018 , 57, 5359-5369	3.3	14
27	Recent Advances in GLP-1 Receptor Agonists for Use in Diabetes Mellitus. <i>Drug Development Research</i> , 2017 , 78, 292-299	5.1	14
26	Cyclic Peptides that Govern Signal Transduction Pathways: From Prokaryotes to Multi-Cellular Organisms. <i>Current Topics in Medicinal Chemistry</i> , 2018 , 18, 625-644	3	14
25	Identification of Streptococcus gallolyticus subsp. gallolyticus (Biotype I) Competence-Stimulating Peptide Pheromone. <i>Journal of Bacteriology</i> , 2018 , 200,	3.5	13
24	Development and utilization of peptide-based quorum sensing modulators in Gram-positive bacteria. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 7273-7290	3.9	13
23	Backbone cyclic helix mimetic of chemokine (C-C motif) receptor 2: a rational approach for inhibiting dimerization of G protein-coupled receptors. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 3958-66	3.4	11
22	Rational Design of Potent Activators and Inhibitors of the Enterococcus faecalis Fsr Quorum Sensing Circuit. <i>ACS Chemical Biology</i> , 2018 , 13, 2673-2681	4.9	10
21	Conversion of Protein Active Regions into Peptidomimetic Therapeutic Leads Using Backbone Cyclization and Cycloscan - How to Do it Yourself!. <i>Current Topics in Medicinal Chemistry</i> , 2018 , 18, 556-565	3.5	10
20	Highly Stable, Amide-Bridged Autoinducing Peptide Analogues that Strongly Inhibit the AgrC Quorum Sensing Receptor in Staphylococcus aureus. <i>Angewandte Chemie</i> , 2016 , 128, 9059-9063	3.6	10
19	Defining the hydrophobic interactions that drive competence stimulating peptide (CSP)-ComD binding in. <i>Beilstein Journal of Organic Chemistry</i> , 2018 , 14, 1769-1777	2.5	9
18	Development of Streptococcus pneumoniae Pan-Group Quorum-Sensing Modulators. <i>ChemBioChem</i> , 2020 , 21, 340-345	3.8	7
17	Exploring the competence stimulating peptide (CSP) N-terminal requirements for effective ComD receptor activation in group1 Streptococcus pneumoniae. <i>Bioorganic Chemistry</i> , 2019 , 89, 102987	5.1	6
16	Identification of highly potent competence stimulating peptide-based quorum sensing activators in Streptococcus mutans through the utilization of N-methyl and reverse alanine scanning. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019 , 29, 811-814	2.9	6
15	Secretion, Maturation, and Activity of a Quorum Sensing Peptide (GSP) Inducing Bacteriocin Transcription in Streptococcus gallolyticus. <i>MBio</i> , 2021 , 12,	7.8	5
14	Unveiling the Importance of Amide Protons in CSP:ComD Interactions in. <i>ACS Medicinal Chemistry Letters</i> , 2019 , 10, 880-886	4.3	4

13	N-Methylation of Amino Acids in Gelatinase Biosynthesis-Activating Pheromone Identifies Key Site for Stability Enhancement with Retention of the <i>Enterococcus faecalis</i> fsr Quorum Sensing Circuit Response. <i>ACS Infectious Diseases</i> , 2019 , 5, 1035-1041	5.5	4
12	Biological Evaluation of Native Streptococcal Competence Stimulating Peptides Reveal Potential Crosstalk Between and a New Scaffold for the Development of Quorum Sensing Modulators. <i>RSC Chemical Biology</i> , 2020 , 1, 60-67	3	4
11	Strategies to Attenuate the Competence Regulon in. <i>Peptide Science</i> , 2021 , 113, e24222	3	4
10	Deciphering bacterial signalling. <i>Nature Chemistry</i> , 2019 , 11, 398-399	17.6	3
9	Studying protein-peptide interactions using benzophenone units: a case study of protein kinase B/Akt and its inhibitor PTR6154. <i>Analytical Biochemistry</i> , 2012 , 421, 750-4	3.1	3
8	The origin and impact of bound water around intrinsically disordered proteins.. <i>Biophysical Journal</i> , 2022 ,	2.9	3
7	Structure Activity Relationship Study of the XIP Quorum Sensing Pheromone in Reveal Inhibitors of the Competence Regulon. <i>ACS Chemical Biology</i> , 2020 , 15, 2833-2841	4.9	3
6	Chemical trapping of vancomycin: a potential strategy for preventing selection of vancomycin-resistant Enterococci. <i>Microbial Drug Resistance</i> , 2012 , 18, 109-15	2.9	2
5	Elucidating the Role and Structure-Activity Relationships of the Competence-Stimulating Peptide. <i>ACS Chemical Biology</i> , 2021 ,	4.9	2
4	Attenuating the Selection of Vancomycin Resistance Among through the Development of Peptide-Based Vancomycin Antagonists. <i>ACS Infectious Diseases</i> , 2020 , 6, 2913-2925	5.5	1
3	Harnessing Multiple, Nonproteogenic Substitutions to Optimize CSP:ComD Hydrophobic Interactions in Group 1 <i>Streptococcus pneumoniae</i> . <i>ChemBioChem</i> , 2021 , 22, 1940-1947	3.8	1
2	Optimizing CSP1 analogs for modulating quorum sensing in with bulky, hydrophobic nonproteogenic amino acid substitutions.. <i>RSC Chemical Biology</i> , 2022 , 3, 301-311	3	0
1	Pharmacological Evaluation of Synthetic Dominant-Negative Peptides Derived from the Competence-Stimulating Peptide of .. <i>ACS Pharmacology and Translational Science</i> , 2022 , 5, 299-305	5.9	0