

Yaw Sing Tan

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.

40
papers

965
citations

19
h-index

30
g-index

45
ext. papers

1,180
ext. citations

7.4
avg, IF

4.15
L-index

#	Paper	IF	Citations
40	A strategy for the diversity-oriented synthesis of macrocyclic scaffolds using multidimensional coupling. <i>Nature Chemistry</i> , 2013 , 5, 861-7	17.6	105
39	Double Strain-Promoted Macrocyclization for the Rapid Selection of Cell-Active Stapled Peptides. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15410-3	16.4	74
38	Diversity-oriented synthesis as a tool for identifying new modulators of mitosis. <i>Nature Communications</i> , 2014 , 5, 3155	17.4	68
37	Stapled peptide design: principles and roles of computation. <i>Drug Discovery Today</i> , 2016 , 21, 1642-1653	8.8	66
36	Using ligand-mapping simulations to design a ligand selectively targeting a cryptic surface pocket of polo-like kinase 1. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10078-81	16.4	60
35	Macrocyclized Extended Peptides: Inhibiting the Substrate-Recognition Domain of Tankyrase. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2245-2256	16.4	44
34	Macrocyclic helical peptide therapeutic modality: A perspective of learnings and challenges. <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 2807-2815	3.4	38
33	Development of Cell-Permeable, Non-Helical Constrained Peptides to Target a Key Protein-Protein Interaction in Ovarian Cancer. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 524-529	16.4	35
32	Synthesis and biological profiling of tellimagrandin I and analogues reveals that the medium ring can significantly modulate biological activity. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 2590-3	3.9	35
31	A diversity-oriented synthesis strategy enabling the combinatorial-type variation of macrocyclic peptidomimetic scaffolds. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 4570-80	3.9	34
30	Incorporation of Putative Helix-Breaking Amino Acids in the Design of Novel Stapled Peptides: Exploring Biophysical and Cellular Permeability Properties. <i>Molecules</i> , 2019 , 24,	4.8	31
29	Benzene Probes in Molecular Dynamics Simulations Reveal Novel Binding Sites for Ligand Design. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 3452-7	6.4	28
28	The use of chlorobenzene as a probe molecule in molecular dynamics simulations. <i>Journal of Chemical Information and Modeling</i> , 2014 , 54, 1821-7	6.1	28
27	Targeting cancer addiction for SALL4 by shifting its transcriptome with a pharmacologic peptide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E7119-E7128	11.5	27
26	The p53-Mdm2 interaction and the E3 ligase activity of Mdm2/Mdm4 are conserved from lampreys to humans. <i>Genes and Development</i> , 2016 , 30, 281-92	12.6	27
25	Stapled peptides as a new technology to investigate protein-protein interactions in human platelets. <i>Chemical Science</i> , 2018 , 9, 4638-4643	9.4	26
24	The Application of Ligand-Mapping Molecular Dynamics Simulations to the Rational Design of Peptidic Modulators of Protein-Protein Interactions. <i>Journal of Chemical Theory and Computation</i> , 2015 , 11, 3199-210	6.4	25

23	Discovery of a small-molecule binder of the oncoprotein gankyrin that modulates gankyrin activity in the cell. <i>Scientific Reports</i> , 2016 , 6, 23732	4.9	22
22	Efficient development of stable and highly functionalised peptides targeting the CK2 β /CK2 α protein-protein interaction. <i>Chemical Science</i> , 2019 , 10, 5056-5063	9.4	20
21	Anatomy of Mdm2 and Mdm4 in evolution. <i>Journal of Molecular Cell Biology</i> , 2017 , 9, 3-15	6.3	18
20	Macrocyclization of an all-d linear helical peptide imparts cellular permeability. <i>Chemical Science</i> , 2020 , 11, 5577-5591	9.4	17
19	Discovery of an inhibitor of the production of the <i>Pseudomonas aeruginosa</i> virulence factor pyocyanin in wild-type cells. <i>Beilstein Journal of Organic Chemistry</i> , 2016 , 12, 1428-33	2.5	16
18	Kinetic and thermodynamic effects of phosphorylation on p53 binding to MDM2. <i>Scientific Reports</i> , 2019 , 9, 693	4.9	15
17	Targeted covalent inhibitors of MDM2 using electrophile-bearing stapled peptides. <i>Chemical Communications</i> , 2019 , 55, 7914-7917	5.8	12
16	Stereoisomerism of stapled peptide inhibitors of the p53-Mdm2 interaction: an assessment of synthetic strategies and activity profiles. <i>Chemical Science</i> , 2019 , 10, 6457-6466	9.4	12
15	Roles of computational modelling in understanding p53 structure, biology, and its therapeutic targeting. <i>Journal of Molecular Cell Biology</i> , 2019 , 11, 306-316	6.3	11
14	The Multifaceted Roles of Molecular Dynamics Simulations in Drug Discovery. <i>Current Pharmaceutical Design</i> , 2016 , 22, 3585-600	3.3	9
13	An intramolecular tryptophan-condensation approach for peptide stapling. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 389-392	3.9	9
12	Decreased GLUT2 and glucose uptake contribute to insulin secretion defects in MODY3/HNF1A hiPSC-derived mutant β cells. <i>Nature Communications</i> , 2021 , 12, 3133	17.4	8
11	Role of the N-terminal lid in regulating the interaction of phosphorylated MDMX with p53. <i>Oncotarget</i> , 2017 , 8, 112825-112840	3.3	7
10	Development of Cell-Permeable, Non-Helical Constrained Peptides to Target a Key Protein-Protein Interaction in Ovarian Cancer. <i>Angewandte Chemie</i> , 2017 , 129, 539-544	3.6	6
9	Functional characterization of p53 pathway components in the ancient metazoan <i>Trichoplax adhaerens</i> . <i>Scientific Reports</i> , 2016 , 6, 33972	4.9	6
8	Using Ligand-Mapping Simulations to Design a Ligand Selectively Targeting a Cryptic Surface Pocket of Polo-Like Kinase 1. <i>Angewandte Chemie</i> , 2012 , 124, 10225-10228	3.6	6
7	Straightforward Incorporation of Multiple Ligand Types into Molecular Dynamics Simulations for Efficient Binding Site Detection and Characterization. <i>Journal of Chemical Theory and Computation</i> , 2020 , 16, 6633-6644	6.4	6
6	Inhibiting S100B for Activating Wild-Type p53: Design of Stapled Peptides. <i>ACS Omega</i> , 2019 , 4, 5335-5344	3.4	5

5	Synthesis of Chiral Alkenyl Cyclopropane Amino Acids for Incorporation into Stapled Peptides. <i>Journal of Organic Chemistry</i> , 2020 , 85, 1556-1566	4.2	4
4	Ultra-High Signal Detection of Human Embryonic Stem Cells Driven by Two-Dimensional Materials.. <i>ACS Applied Bio Materials</i> , 2018 , 1, 210-215	4.1	1
3	A comparison of the dynamics of pantothenate synthetase from M. tuberculosis and E. coli: computational studies. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011 , 79, 1715-27	4.2	1
2	Cyclisation strategies for stabilising peptides with irregular conformations. <i>RSC Medicinal Chemistry</i> , 2021 , 12, 887-901	3.5	1
1	The nanotube express: Delivering a stapled peptide to the cell surface. <i>Journal of Colloid and Interface Science</i> , 2021 , 604, 670-679	9.3	0