Yaw Sing Tan

List of Publications by Year in Descending Order

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	Decreased GLUT2 and glucose uptake contribute to insulin secretion defects in MODY3/HNF1A hiPSC-derived mutant □ cells. *Nature Communications*, **2021**, 12, 3133	17.4	8
39	Cyclisation strategies for stabilising peptides with irregular conformations. *RSC Medicinal Chemistry* , **2021**, 12, 887-901	3.5	1
38	The nanotube express: Delivering a stapled peptide to the cell surface. *Journal of Colloid and Interface Science*, **2021**, 604, 670-679	9.3	0
37	Macrocyclization of an all-d linear □-helical peptide imparts cellular permeability. *Chemical Science*, **2020**, 11, 5577-5591	9.4	17
36	Synthesis of Chiral Alkenyl Cyclopropane Amino Acids for Incorporation into Stapled Peptides. *Journal of Organic Chemistry*, **2020**, 85, 1556-1566	4.2	4
35	Straightforward Incorporation of Multiple Ligand Types into Molecular Dynamics Simulations for Efficient Binding Site Detection and Characterization. *Journal of Chemical Theory and Computation*, **2020**, 16, 6633-6644	6.4	6
34	Kinetic and thermodynamic effects of phosphorylation on p53 binding to MDM2. *Scientific Reports*, **2019**, 9, 693	4.9	15
33	Targeted covalent inhibitors of MDM2 using electrophile-bearing stapled peptides. *Chemical Communications*, **2019**, 55, 7914-7917	5.8	12
32	Stereoisomerism of stapled peptide inhibitors of the p53-Mdm2 interaction: an assessment of synthetic strategies and activity profiles. *Chemical Science*, **2019**, 10, 6457-6466	9.4	12
31	Inhibiting S100B(□)for Activating Wild-Type p53: Design of Stapled Peptides. *ACS Omega*, **2019**, 4, 5335-5344	3.7	5
30	Efficient development of stable and highly functionalised peptides targeting the CK2□/CK2□ protein-protein interaction. *Chemical Science*, **2019**, 10, 5056-5063	9.4	20
29	Roles of computational modelling in understanding p53 structure, biology, and its therapeutic targeting. *Journal of Molecular Cell Biology*, **2019**, 11, 306-316	6.3	11
28	Incorporation of Putative Helix-Breaking Amino Acids in the Design of Novel Stapled Peptides: Exploring Biophysical and Cellular Permeability Properties. *Molecules*, **2019**, 24,	4.8	31
27	Stapled peptides as a new technology to investigate protein-protein interactions in human platelets. *Chemical Science*, **2018**, 9, 4638-4643	9.4	26
26	Macrocyclic □-helical peptide therapeutic modality: A perspective of learnings and challenges. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 2807-2815	3.4	38
25	Targeting cancer addiction for SALL4 by shifting its transcriptome with a pharmacologic peptide. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E7119-E7128	11.5	27
24	Ultra-High Signal Detection of Human Embryonic Stem Cells Driven by Two-Dimensional Materials.. *ACS Applied Bio Materials*, **2018**, 1, 210-215	4.1	1

23	An intramolecular tryptophan-condensation approach for peptide stapling. *Organic and Biomolecular Chemistry*, **2018**, 16, 389-392	3.9	9
22	Macrocyclized Extended Peptides: Inhibiting the Substrate-Recognition Domain of Tankyrase. *Journal of the American Chemical Society*, **2017**, 139, 2245-2256	16.4	44
21	Development of Cell-Permeable, Non-Helical Constrained Peptides to Target a Key Protein Protein Interaction in Ovarian Cancer. *Angewandte Chemie*, **2017**, 129, 539-544	3.6	6
20	Development of Cell-Permeable, Non-Helical Constrained Peptides to Target a Key Protein-Protein Interaction in Ovarian Cancer. *Angewandte Chemie - International Edition*, **2017**, 56, 524-529	16.4	35
19	Anatomy of Mdm2 and Mdm4 in evolution. *Journal of Molecular Cell Biology*, **2017**, 9, 3-15	6.3	18
18	Role of the N-terminal lid in regulating the interaction of phosphorylated MDMX with p53. *Oncotarget*, **2017**, 8, 112825-112840	3.3	7
17	Benzene Probes in Molecular Dynamics Simulations Reveal Novel Binding Sites for Ligand Design. *Journal of Physical Chemistry Letters*, **2016**, 7, 3452-7	6.4	28
16	Functional characterization of p53 pathway components in the ancient metazoan Trichoplax adhaerens. *Scientific Reports*, **2016**, 6, 33972	4.9	6
15	Stapled peptide design: principles and roles of computation. *Drug Discovery Today*, **2016**, 21, 1642-1653	8.8	66
14	The Multifaceted Roles of Molecular Dynamics Simulations in Drug Discovery. *Current Pharmaceutical Design*, **2016**, 22, 3585-600	3.3	9
13	Discovery of an inhibitor of the production of the Pseudomonas aeruginosa virulence factor pyocyanin in wild-type cells. *Beilstein Journal of Organic Chemistry*, **2016**, 12, 1428-33	2.5	16
12	Discovery of a small-molecule binder of the oncoprotein gankyrin that modulates gankyrin activity in the cell. *Scientific Reports*, **2016**, 6, 23732	4.9	22
11	The p53-Mdm2 interaction and the E3 ligase activity of Mdm2/Mdm4 are conserved from lampreys to humans. *Genes and Development*, **2016**, 30, 281-92	12.6	27
10	The Application of Ligand-Mapping Molecular Dynamics Simulations to the Rational Design of Peptidic Modulators of Protein-Protein Interactions. *Journal of Chemical Theory and Computation*, **2015**, 11, 3199-210	6.4	25
9	A diversity-oriented synthesis strategy enabling the combinatorial-type variation of macrocyclic peptidomimetic scaffolds. *Organic and Biomolecular Chemistry*, **2015**, 13, 4570-80	3.9	34
8	Double Strain-Promoted Macrocyclization for the Rapid Selection of Cell-Active Stapled Peptides. *Angewandte Chemie - International Edition*, **2015**, 54, 15410-3	16.4	74
7	Diversity-oriented synthesis as a tool for identifying new modulators of mitosis. *Nature Communications*, **2014**, 5, 3155	17.4	68
6	The use of chlorobenzene as a probe molecule in molecular dynamics simulations. *Journal of Chemical Information and Modeling*, **2014**, 54, 1821-7	6.1	28

5	A strategy for the diversity-oriented synthesis of macrocyclic scaffolds using multidimensional coupling. *Nature Chemistry*, **2013**, 5, 861-7	17.6	105
4	Synthesis and biological profiling of tellimagrandin I and analogues reveals that the medium ring can significantly modulate biological activity. *Organic and Biomolecular Chemistry*, **2012**, 10, 2590-3	3.9	35
3	Using Ligand-Mapping Simulations to Design a Ligand Selectively Targeting a Cryptic Surface Pocket of Polo-Like Kinase 1. *Angewandte Chemie*, **2012**, 124, 10225-10228	3.6	6
2	Using ligand-mapping simulations to design a ligand selectively targeting a cryptic surface pocket of polo-like kinase 1. *Angewandte Chemie - International Edition*, **2012**, 51, 10078-81	16.4	60
1	A comparison of the dynamics of pantothenate synthetase from M. tuberculosis and E. coli: computational studies. *Proteins: Structure, Function and Bioinformatics*, **2011**, 79, 1715-27	4.2	1