

# Changlin Tian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2067420/publications.pdf>

Version: 2024-02-01

67  
papers

1,654  
citations

257450

24  
h-index

330143

37  
g-index

72  
all docs

72  
docs citations

72  
times ranked

2595  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural insight into autoinhibition and histone H3-induced activation of DNMT3A. <i>Nature</i> , 2015, 517, 640-644.	27.8	293
2	Structural insight into the type-II mitochondrial NADH dehydrogenases. <i>Nature</i> , 2012, 491, 478-482.	27.8	105
3	Cysteine-Aminoethylation-Assisted Chemical Ubiquitination of Recombinant Histones. <i>Journal of the American Chemical Society</i> , 2019, 141, 3654-3663.	13.7	62
4	One-pot hydrazide-based native chemical ligation for efficient chemical synthesis and structure determination of toxin Mambalgin-1. <i>Chemical Communications</i> , 2014, 50, 5837-5839.	4.1	54
5	Allosteric autoinhibition and activation of the Nedd4 family E3 ligase Itch. <i>EMBO Reports</i> , 2017, 18, 1618-1630.	4.5	54
6	A single NaK channel conformation is not enough for non-selective ion conduction. <i>Nature Communications</i> , 2018, 9, 717.	12.8	52
7	Combined approaches of EPR and NMR illustrate only one transmembrane helix in the human IFITM3. <i>Scientific Reports</i> , 2016, 6, 24029.	3.3	47
8	Centipedes subdue giant prey by blocking KCNQ channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1646-1651.	7.1	47
9	Structural mechanism of cooperative activation of the human calcium-sensing receptor by Ca <sup>2+</sup> ions and L-tryptophan. <i>Cell Research</i> , 2021, 31, 383-394.	12.0	47
10	Imaging of Polar and Nonpolar Species Using Compact Desorption Electrospray Ionization/Postphotoionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 6616-6623.	6.5	45
11	Structural basis of human $\alpha 7$ nicotinic acetylcholine receptor activation. <i>Cell Research</i> , 2021, 31, 713-716.	12.0	45
12	NiH-Catalyzed Reductive Hydrocarbonation of Enol Esters and Ethers. <i>CCS Chemistry</i> , 2022, 4, 605-615.	7.8	40
13	Chemical Synthesis of K34 <sup>ubiquitylated</sup> H2B for Nucleosome Reconstitution and Single-Particle Cryo-Electron Microscopy Structural Analysis. <i>ChemBioChem</i> , 2017, 18, 176-180.	2.6	38
14	Characterization of the flavoenzyme XiaK as an N-hydroxylase and implications in indolosesquiterpene diversification. <i>Chemical Science</i> , 2017, 8, 5067-5077.	7.4	35
15	Site-specific <sup>19</sup> F NMR chemical shift and side chain relaxation analysis of a membrane protein labeled with an unnatural amino acid. <i>Protein Science</i> , 2011, 20, 224-228.	7.6	32
16	Chemical Synthesis of Structurally Defined Phosphorylated Ubiquitins Suggests Impaired Parkin Activation by Phosphorylated Ubiquitins with a Non-Phosphorylated Distal Unit. <i>CCS Chemistry</i> , 2019, 1, 476-489.	7.8	32
17	Structural insights into HetR <sup>~</sup> PatS interaction involved in cyanobacterial pattern formation. <i>Scientific Reports</i> , 2015, 5, 16470.	3.3	29
18	Structural insights into human acid-sensing ion channel 1a inhibition by snake toxin mambalgin1. <i>ELife</i> , 2020, 9, .	6.0	29

#	ARTICLE	IF	CITATIONS
19	Crystal structures of the Arabidopsis thaliana abscisic acid receptor PYL10 and its complex with abscisic acid. <i>Biochemical and Biophysical Research Communications</i> , 2012, 418, 122-127.	2.1	28
20	Chemically synthesized histone H2A Lys13 di-ubiquitination promotes binding of 53BP1 to nucleosomes. <i>Cell Research</i> , 2018, 28, 257-260.	12.0	28
21	Cryo-EM structure of the ASIC1a-mambalgin-1 complex reveals that the peptide toxin mambalgin-1 inhibits acid-sensing ion channels through an unusual allosteric effect. <i>Cell Discovery</i> , 2018, 4, 27.	6.7	28
22	In situ 19F NMR studies of an E. coli membrane protein. <i>Protein Science</i> , 2012, 21, 596-600.	7.6	27
23	Octameric structure of Staphylococcus aureus enolase in complex with phosphoenolpyruvate. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 2457-2470.	2.5	27
24	CW-EPR studies revealed different motional properties and oligomeric states of the integrin $\beta 1 a$ transmembrane domain in detergent micelles or liposomes. <i>Scientific Reports</i> , 2015, 5, 7848.	3.3	26
25	Selective potentiation of 2-APB-induced activation of TRPV1-3 channels by acid. <i>Scientific Reports</i> , 2016, 6, 20791.	3.3	25
26	Single-particle cryo-EM structural studies of the $\beta 2 A R$ -Gs complex bound with a full agonist formoterol. <i>Cell Discovery</i> , 2020, 6, 45.	6.7	25
27	The HAB1 PP2C is inhibited by ABA-dependent PYL10 interaction. <i>Scientific Reports</i> , 2015, 5, 10890.	3.3	23
28	Different conformational responses of the $\beta 2$ -adrenergic receptor-Gs complex upon binding of the partial agonist salbutamol or the full agonist isoprenaline. <i>National Science Review</i> , 2021, 8, .	9.5	20
29	Chemical synthesis and biological activity of peptides incorporating an ether bridge as a surrogate for a disulfide bond. <i>Chemical Science</i> , 2020, 11, 7927-7932.	7.4	20
30	Rearrangement of a unique Kv1.3 selectivity filter conformation upon binding of a drug. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	20
31	Biochemical properties of K11,48-branched ubiquitin chains. <i>Chinese Chemical Letters</i> , 2018, 29, 1155-1159.	9.0	18
32	Chemical protein synthesis-assisted high-throughput screening strategies for d-peptides in drug discovery. <i>Chinese Chemical Letters</i> , 2020, 31, 2365-2374.	9.0	17
33	Nano-size uni-lamellar lipid improved in situ auto-phosphorylation analysis of E. coli tyrosine kinase using 19F nuclear magnetic resonance. <i>Protein and Cell</i> , 2015, 6, 229-233.	11.0	16
34	Structural basis of the activation of metabotropic glutamate receptor 3. <i>Cell Research</i> , 2022, 32, 695-698.	12.0	16
35	Structural insights into the activation of somatostatin receptor 2 by cyclic SST analogues. <i>Cell Discovery</i> , 2022, 8, .	6.7	16
36	Structure of an E. coli integral membrane sulfurtransferase and its structural transition upon SCN <sup>+</sup> binding defined by EPR-based hybrid method. <i>Scientific Reports</i> , 2016, 6, 20025.	3.3	15

#	ARTICLE	IF	CITATIONS
37	Structures of wild-type and H451N mutant human lymphocyte potassium channel KV1.3. <i>Cell Discovery</i> , 2021, 7, 39.	6.7	14
38	K <sup>+</sup> preference at the NaK channel entrance revealed by fluorescence lifetime and anisotropy analysis of site-specifically incorporated (7-hydroxycoumarin-4-yl)ethylglycine. <i>Chemical Communications</i> , 2015, 51, 15971-15974.	4.1	11
39	A distinct three-helix centipede toxin SSD609 inhibits I <sub>Ks</sub> channels by interacting with the KCNE1 auxiliary subunit. <i>Scientific Reports</i> , 2015, 5, 13399.	3.3	10
40	In cell measurement of fluorescence lifetime imaging microscopy revealed C-terminal conformation changes of Ferroportin upon addition of Mn <sup>2+</sup> . <i>Chinese Chemical Letters</i> , 2018, 29, 1509-1512.	9.0	10
41	Fluorescence lifetime based distance measurement illustrates conformation changes of PYL10-CL2 upon ABA binding in solution state. <i>Chinese Chemical Letters</i> , 2019, 30, 1067-1070.	9.0	10
42	Temperature-dependent ESR and computational studies on antiferromagnetic electron transfer in the yeast NADH dehydrogenase Ndi1. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 4849-4854.	2.8	8
43	Total synthesis of snake toxin Î±-bungarotoxin and its analogues by hydrazide-based native chemical ligation. <i>Chinese Chemical Letters</i> , 2018, 29, 1139-1142.	9.0	8
44	Cryo-EM structure of the hyperpolarization-activated inwardly rectifying potassium channel KAT1 from <i>Arabidopsis</i> . <i>Cell Research</i> , 2020, 30, 1049-1052.	12.0	8
45	Conformational change of <i>E. coli</i> sulfurtransferase YgaP upon SCN <sup>-</sup> in intact native membrane revealed by fluorescence lifetime and anisotropy. <i>Chinese Chemical Letters</i> , 2018, 29, 1513-1516.	9.0	7
46	A genetically encoded small-size fluorescent pair reveals allosteric conformational changes of G proteins upon its interaction with GPCRs by fluorescence lifetime based FRET. <i>Chemical Communications</i> , 2020, 56, 6941-6944.	4.1	7
47	Application of Site-Specific <sup>19</sup> F Paramagnetic Relaxation Enhancement to Distinguish two Different Conformations of a Multidomain Protein. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 34-37.	4.6	6
48	Fast conformational exchange between the sulfur-free and persulfide-bound rhodanese domain of <i>E. coli</i> YgaP. <i>Biochemical and Biophysical Research Communications</i> , 2014, 452, 817-821.	2.1	6
49	Protein-protein interaction analysis in crude bacterial lysates using combinational method of 19F site-specific incorporation and 19F NMR. <i>Protein and Cell</i> , 2017, 8, 149-154.	11.0	6
50	Thiirane linkers directed histone H2A diubiquitination suggests plasticity in 53BP1 recognition. <i>Chemical Communications</i> , 2019, 55, 12639-12642.	4.1	6
51	Total chemical synthesis of bivalently modified H3 by improved three-segment native chemical ligation. <i>Chinese Chemical Letters</i> , 2020, 31, 1267-1270.	9.0	6
52	Ion channel modulation by scorpion hemolymph and its defensin ingredients highlights origin of neurotoxins in telson formed in Paleozoic scorpions. <i>International Journal of Biological Macromolecules</i> , 2020, 148, 351-363.	7.5	6
53	Facile synthesis of macrocyclic peptide toxins of GpTx-1 and its analogue. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2143-2147.	4.5	5
54	S <sup>+</sup> Click Reaction for Isotropic Orientation of Oxidases on Electrodes to Promote Electron Transfer at Low Potentials. <i>Angewandte Chemie</i> , 2019, 131, 16632-16636.	2.0	5

#	ARTICLE	IF	CITATIONS
55	General order parameter based correlation analysis of protein backbone motions between experimental NMR relaxation measurements and molecular dynamics simulations. <i>Biochemical and Biophysical Research Communications</i> , 2015, 457, 467-472.	2.1	3
56	Allosteric conformational changes of G proteins upon its interaction with membrane and GPCR. <i>Chinese Chemical Letters</i> , 2022, 33, 747-750.	9.0	3
57	Mechanistic investigation of B12-independent glycerol dehydratase and its activating enzyme GD-AE. <i>Chemical Communications</i> , 2022, 58, 2738-2741.	4.1	3
58	Structural insights into thyrotropin-releasing hormone receptor activation by an endogenous peptide agonist or its orally administered analogue. <i>Cell Research</i> , 2022, , .	12.0	3
59	Secondary structure and transmembrane topology analysis of the N-terminal domain of the inner membrane protein EccE1 from <i>M. smegmatis</i> using site-directed spin labeling EPR. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183515.	2.6	2
60	Dipolar coupling-based electron paramagnetic resonance method for protease enzymatic characterization and inhibitor screening. <i>Chemical Communications</i> , 2021, 57, 9602-9605.	4.1	2
61	Identification and architecture of a putative secretion tube across mycobacterial outer envelope. <i>Science Advances</i> , 2021, 7, .	10.3	2
62	Structural insights into a novel functional dimer of <i>Staphylococcus aureus</i> RNase HIII. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 1207-1213.	2.1	1
63	Equilibria between the K <sup>+</sup> binding and cation vacancy conformations of potassium channels. <i>Protein and Cell</i> , 2019, 10, 533-537.	11.0	1
64	EPR-based <i>in situ</i> enzymatic activity detection of endogenous caspase-3 in apoptosis cell lysates. <i>Chemical Communications</i> , 0, , .	4.1	1
65	Solution NMR of MPS-1 Reveals a Random Coil Cytosolic Domain Structure. <i>PLoS ONE</i> , 2014, 9, e111035.	2.5	0
66	Chemical synthesis of di-ubiquitin modified histones for further biochemical studies. <i>Methods in Enzymology</i> , 2020, 639, 263-287.	1.0	0
67	Metabolic state oscillations in cerebral nuclei detected using two-photon fluorescence lifetime imaging microscopy. <i>Chinese Chemical Letters</i> , 2023, 34, 107460.	9.0	0