

# Yong-Xiang Chen

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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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.

68

papers

1,561

citations

18

h-index

37

g-index

71

ext. papers

1,841

ext. citations

5.9

avg, IF

4.53

L-index

#	Paper	IF	Citations
68	Phosphorylated and Phosphonated Low-Complexity Protein Segments for Biomimetic Mineralization and Repair of Tooth Enamel.. <i>Advanced Science</i> , <b>2022</b> , e2103829	13.6	5
67	Stabilization of the RAS:PDE6D Complex Is a Novel Strategy to Inhibit RAS Signaling.. <i>Journal of Medicinal Chemistry</i> , <b>2022</b> , 65, 1898-1914	8.3	1
66	Facile Synthesis of Boc-Protected Selenocystine and its Compatibility with Late-Stage Farnesylation at Cysteine Site. <i>Protein and Peptide Letters</i> , <b>2021</b> , 28, 603-611	1.9	
65	A novel STING agonist for cancer immunotherapy and a SARS-CoV-2 vaccine adjuvant. <i>Chemical Communications</i> , <b>2021</b> , 57, 504-507	5.8	15
64	Cucurbit[8]uril facilitated Michael addition for regioselective cysteine modification. <i>Chemical Communications</i> , <b>2021</b> , 57, 6086-6089	5.8	2
63	Different phosphorylation and farnesylation patterns tune Rnd3-14-3-3 interaction in distinct mechanisms. <i>Chemical Science</i> , <b>2021</b> , 12, 4432-4442	9.4	2
62	Uncovering the pathological functions of Ser404 phosphorylation by semisynthesis of a phosphorylated TDP-43 prion-like domain. <i>Chemical Communications</i> , <b>2020</b> , 56, 5370-5373	5.8	6
61	A host-guest ATP responsive strategy for intracellular delivery of phosphopeptides. <i>Chemical Communications</i> , <b>2020</b> , 56, 5512-5515	5.8	10
60	Unremitting progresses for phosphoprotein synthesis. <i>Current Opinion in Chemical Biology</i> , <b>2020</b> , 58, 96-111	9.7	2
59	Metal ion and light sequentially induced sol-gel-sol transition of a responsive peptide-hydrogel. <i>Soft Matter</i> , <b>2020</b> , 16, 7652-7658	3.6	1
58	Fully Synthetic Invariant NKT Cell-Dependent Self-Adjuvanting Antitumor Vaccines Eliciting Potent Immune Response in Mice. <i>Molecular Pharmaceutics</i> , <b>2020</b> , 17, 417-425	5.6	16
57	Investigation of the Assembly Behavior of an Amphiphilic Lipopeptide at the Liquid Crystal-Aqueous Interface. <i>Langmuir</i> , <b>2019</b> , 35, 2490-2497	4	12
56	Stereoselective synthesis of a phosphonate pThr mimetic via palladium-catalyzed $\text{E}(\text{sp})\text{-H}$ activation for peptide preparation. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 2099-2102	3.9	9
55	Inhibition of K-Ras4B-plasma membrane association with a membrane microdomain-targeting peptide. <i>Chemical Science</i> , <b>2019</b> , 11, 826-832	9.4	5
54	Exploring the Roles of Post-Translational Modifications in the Pathogenesis of Parkinson's Disease Using Synthetic and Semisynthetic Modified $\alpha$ -Synuclein. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 910-921	5.7	12
53	TDP-43 specific reduction induced by Di-hydrophobic tags conjugated peptides. <i>Bioorganic Chemistry</i> , <b>2019</b> , 84, 254-259	5.1	14
52	Targeting STING with cyclic di-GMP greatly augmented immune responses of glycopeptide cancer vaccines. <i>Chemical Communications</i> , <b>2018</b> , 54, 9655-9658	5.8	27

51	Differential Modulation of the Aggregation of N-Terminal Truncated A $\beta$ Using Cucurbiturils. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 13647-13653	4.8	14
50	De Novo Design To Synthesize Lanthipeptides Involving Cascade Cysteine Reactions: SapB Synthesis as an Example. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 7528-7533	4.2	8
49	A site-specific branching poly-glutamate tag mediates intracellular protein delivery by cationic lipids. <i>Biochemical and Biophysical Research Communications</i> , <b>2018</b> , 503, 671-676	3.4	0
48	Synthesis of $\beta$ -Difluorinated Phosphonate pSer/pThr Mimetics via Rhodium-Catalyzed Asymmetric Hydrogenation of $\beta$ -Difluorophosphonomethyl $\beta$ -(Acylamino)acrylates. <i>Organic Letters</i> , <b>2018</b> , 20, 3278-3281	6.2	11
47	Inward Budding and Endocytosis of Membranes Regulated by de Novo Designed Peptides. <i>Langmuir</i> , <b>2018</b> , 34, 6183-6193	4	3
46	Phosphorylation at Ser as an Intrinsic Regulatory Switch to Regulate the Morphologies and Structures of Alzheimer's 40-residue $\beta$ -Amyloid (A $\beta$ 0) Fibrils. <i>Journal of Biological Chemistry</i> , <b>2017</b> , 292, 2611-2623	5.4	19
45	Facile synthesis of Fmoc-protected phosphonate pSer mimetic and its application in assembling a substrate peptide of 14-3-3 $\beta$ . <i>Tetrahedron Letters</i> , <b>2017</b> , 58, 2551-2553	2	7
44	Semi-synthesis of murine prion protein by native chemical ligation and chemical activation for preparation of polypeptide- $\beta$ -thioester. <i>Journal of Peptide Science</i> , <b>2017</b> , 23, 438-444	2.1	6
43	Phosphorylation Weakens but Does Not Inhibit Membrane Binding and Clustering of K-Ras4B. <i>ACS Chemical Biology</i> , <b>2017</b> , 12, 1703-1710	4.9	28
42	Self-Assembled Nano-Immunostimulant for Synergistic Immune Activation. <i>ChemBioChem</i> , <b>2017</b> , 18, 1721-1729	3.8	11
41	Chitosan nanoparticles based nanovaccines for cancer immunotherapy. <i>Pure and Applied Chemistry</i> , <b>2017</b> , 89, 931-939	2.1	16
40	Prophylactic Vaccine Based on Pyroglutamate-3 Amyloid $\beta$ Generates Strong Antibody Response and Rescues Cognitive Decline in Alzheimer's Disease Model Mice. <i>ACS Chemical Neuroscience</i> , <b>2017</b> , 8, 454-459	5.7	7
39	Selective inhibition of cancer cells by enzyme-induced gain of function of phosphorylated melittin analogues. <i>Chemical Science</i> , <b>2017</b> , 8, 7675-7681	9.4	9
38	Hydrophobic tagging-mediated degradation of Alzheimer's disease related Tau. <i>RSC Advances</i> , <b>2017</b> , 7, 40362-40366	3.7	24
37	Helices with Rational Residues Conduct Different Modulations towards A $\beta$ Aggregation. <i>Chemistry Letters</i> , <b>2017</b> , 46, 979-982	1.7	2
36	Synthesis of an MUC1 Glycopeptide Dendrimer Based on $\beta$ -Cyclodextrin by Click Chemistry. <i>Synlett</i> , <b>2017</b> , 28, 1961-1965	2.2	8
35	Chemical Methods to Knock Down the Amyloid Proteins. <i>Molecules</i> , <b>2017</b> , 22,	4.8	10
34	Phosphorylation induces distinct alpha-synuclein strain formation. <i>Scientific Reports</i> , <b>2016</b> , 6, 37130	4.9	57

33	Azacalix[2]arene[2]carbazoles: synthesis, structure and properties. <i>RSC Advances</i> , <b>2016</b> , 6, 27988-27992	3.7	7
32	Phosphorylation regulates proteolytic efficiency of TEV protease detected by a 5(6)-carboxyfluorescein-pyrene based fluorescent sensor. <i>Talanta</i> , <b>2016</b> , 150, 340-5	6.2	3
31	Synthetic MUC1 Antitumor Vaccine Candidates with Varied Glycosylation Pattern Bearing R/S-configured Pam3 CysSerLys4. <i>ChemBioChem</i> , <b>2016</b> , 17, 1412-5	3.8	13
30	Dual-labeling of ubiquitin proteins by chemoselective reactions for sensing UCH-L3. <i>Molecular BioSystems</i> , <b>2016</b> , 12, 1764-7		1
29	Specific Knockdown of Endogenous Tau Protein by Peptide-Directed Ubiquitin-Proteasome Degradation. <i>Cell Chemical Biology</i> , <b>2016</b> , 23, 453-61	8.2	92
28	New progress in active immunotherapy targeting to amyloid beta. <i>Science China Chemistry</i> , <b>2015</b> , 58, 383-389	7.9	1
27	Glycopeptide Nanoconjugates Based on Multilayer Self-Assembly as an Antitumor Vaccine. <i>Bioconjugate Chemistry</i> , <b>2015</b> , 26, 1439-42	6.3	27
26	Rational design of an orthosteric regulator of hIAPP aggregation. <i>Chemical Communications</i> , <b>2015</b> , 51, 2095-8	5.8	11
25	A $\beta$ 2 and A $\beta$ 0: similarities and differences. <i>Journal of Peptide Science</i> , <b>2015</b> , 21, 522-9	2.1	71
24	Strategy for Designing a Synthetic Tumor Vaccine: Multi-Component, Multivalency and Antigen Modification. <i>Vaccines</i> , <b>2014</b> , 2, 549-62	5.3	7
23	Covalent bond or noncovalent bond: a supramolecular strategy for the construction of chemically synthesized vaccines. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 13541-6	4.8	19
22	Clearance of the intracellular high level of the tau protein directed by an artificial synthetic hydrolase. <i>Molecular BioSystems</i> , <b>2014</b> , 10, 3081-5		8
21	Tau Protein Associated Inhibitors in Alzheimer Disease. <i>Chinese Journal of Chemistry</i> , <b>2014</b> , 32, 964-968	4.9	4
20	Short Peptide Segment and Insulin Co-Assembly Forms Cytotoxic Oligomers. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2013</b> , 19, 185-189	2.1	1
19	Characterizing the assembly behaviors of human amylin: a perspective derived from C-terminal variants. <i>Chemical Communications</i> , <b>2013</b> , 49, 1799-801	5.8	18
18	The interplay between RPGR, PDE $\delta$ and Arl2/3 regulate the ciliary targeting of farnesylated cargo. <i>EMBO Reports</i> , <b>2013</b> , 14, 465-72	6.5	55
17	Addition of artificial salt bridge by Ile646Lys mutation in gp41 coiled-coil domain regulates 6-helical bundle formation. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2013</b> , 23, 2727-32	2.9	2
16	Structural basis for Arl3-specific release of myristoylated ciliary cargo from UNC119. <i>EMBO Journal</i> , <b>2012</b> , 31, 4085-94	13	86

15	A multi-functional peptide as an HIV-1 entry inhibitor based on self-concentration, recognition, and covalent attachment. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 6512-20	3.9	6
14	A totally synthetic, self-assembling, adjuvant-free MUC1 glycopeptide vaccine for cancer therapy. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 8730-3	16.4	166
13	Antimicrobial activity of human islet amyloid polypeptides: an insight into amyloid peptidesU connection with antimicrobial peptides. <i>Biological Chemistry</i> , <b>2012</b> , 393, 641-6	4.5	20
12	A covalently reactive group-modified peptide that specifically reacts with lysine16 in amyloid $\beta$ <i>Chemical Communications</i> , <b>2012</b> , 48, 10565-7	5.8	10
11	Direct immobilization of oxyamine-modified proteins from cell lysates. <i>Chemical Communications</i> , <b>2012</b> , 48, 10829-31	5.8	16
10	Arl2-GTP and Arl3-GTP regulate a GDI-like transport system for farnesylated cargo. <i>Nature Chemical Biology</i> , <b>2011</b> , 7, 942-9	11.7	199
9	Chemical Synthesis of Integral Membrane Proteins: Methods and Applications. <i>Israel Journal of Chemistry</i> , <b>2011</b> , 51, 940-952	3.4	17
8	Bioorthogonal chemistry for site-specific labeling and surface immobilization of proteins. <i>Accounts of Chemical Research</i> , <b>2011</b> , 44, 762-73	24.3	141
7	Synthesis of the Rheb and K-Ras4B GTPases. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 6090-516.4	56.4	68
6	Facile synthesis of cyclopeptide-centered multivalent glycoclusters with click chemistryUand molecular recognition study by surface plasmon resonance. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 3775-8	2.9	15
5	Facile synthesis of a pentasaccharide mimic of a fragment of the capsular polysaccharide of <i>Streptococcus pneumoniae</i> type 15C. <i>Carbohydrate Research</i> , <b>2008</b> , 343, 607-14	2.9	3
4	Influence of serine O-glycosylation or O-phosphorylation close to the vJun nuclear localisation sequence on nuclear import. <i>ChemBioChem</i> , <b>2006</b> , 7, 88-97	3.8	12
3	Alternative O-GlcNAcylation/O-phosphorylation of Ser16 induce different conformational disturbances to the N terminus of murine estrogen receptor beta. <i>Chemistry and Biology</i> , <b>2006</b> , 13, 937-44		72
2	Adopting STING agonist cyclic dinucleotides as a potential adjuvant for SARS-CoV-2 vaccine		2
1	CASTING: A potent supramolecular strategy to cytosolically deliver STING agonist for cancer immunotherapy and SARS-CoV-2 vaccination. <i>CCS Chemistry</i> , 1-33	7.2	2