Yong-Xiang Chen

List of Publications by Year
in descending order

70 papers	2,066 citations	331259 21 h-index	253896 43 g-index
71 all docs	71 docs citations	71 times ranked	2949 citing authors

#	Article	IF	Citations
1	Arl2-GTP and Arl3-GTP regulate a GDI-like transport system for farnesylated cargo. Nature Chemical Biology, 2011, 7, 942-949.	3.9	231
2	a Totally Synthetic, Self-Assembling, Adjuvant-Free MUC1 Glycopeptide Vaccine for Cancer Therapy. Journal of the American Chemical Society, 2012, 134, 8730-8733.	6.6	192
3	Bioorthogonal Chemistry for Site-Specific Labeling and Surface Immobilization of Proteins. Accounts of Chemical Research, 2011, 44, 762-773.	7.6	156
4	Specific Knockdown of Endogenous Tau Protein by Peptide-Directed Ubiquitin-Proteasome Degradation. Cell Chemical Biology, 2016, 23, 453-461.	2.5	147
5	A<i>Î²</i>42 and A<i>Î²</i>40: similarities and differences. Journal of Peptide Science, 2015, 21, 522-529.	0.8	124
6	Structural basis for Arl3-specific release of myristoylated ciliary cargo from UNC119. EMBO Journal, 2012, 31, 4085-4094.	3.5	101
7	Phosphorylation induces distinct alpha-synuclein strain formation. Scientific Reports, 2016, 6, 37130.	1.6	79
8	Alternative O-GlcNAcylation/O-Phosphorylation of Ser16 Induce Different Conformational Disturbances to the N Terminus of Murine Estrogen Receptor Î². Chemistry and Biology, 2006, 13, 937-944.	6.2	74
9	Synthesis of the Rheb and Kâ€Ras4B GTPases. Angewandte Chemie - International Edition, 2010, 49, 6090-6095.	7.2	73
10	The interplay between RPGR, PDEÎ´ and Arl2/3 regulate the ciliary targeting of farnesylated cargo. EMBO Reports, 2013, 14, 465-472.	2.0	64
11	Targeting STING with cyclic di-GMP greatly augmented immune responses of glycopeptide cancer vaccines. Chemical Communications, 2018, 54, 9655-9658.	2.2	43
12	Hydrophobic tagging-mediated degradation of Alzheimer's disease related Tau. RSC Advances, 2017, 7, 40362-40366.	1.7	40
13	A novel STING agonist for cancer immunotherapy and a SARS-CoV-2 vaccine adjuvant. Chemical Communications, 2021, 57, 504-507.	2.2	36
14	Antimicrobial activity of human islet amyloid polypeptides: an insight into amyloid peptidesâ€™ connection with antimicrobial peptides. Biological Chemistry, 2012, 393, 641-646.	1.2	35
15	Phosphorylation Weakens but Does Not Inhibit Membrane Binding and Clustering of K-Ras4B. ACS Chemical Biology, 2017, 12, 1703-1710.	1.6	33
16	Glycopeptide Nanoconjugates Based on Multilayer Self-Assembly as an Antitumor Vaccine. Bioconjugate Chemistry, 2015, 26, 1439-1442.	1.8	31
17	TDP-43 specific reduction induced by Di-hydrophobic tags conjugated peptides. Bioorganic Chemistry, 2019, 84, 254-259.	2.0	31
18	Phosphorylation at Ser8 as an Intrinsic Regulatory Switch to Regulate the Morphologies and Structures of Alzheimer's 40-residue Î²-Amyloid (AÎ²40) Fibrils. Journal of Biological Chemistry, 2017, 292, 2611-2623.	1.6	29

#	Article	IF	Citations
19	Fully Synthetic Invariant NKT Cell-Dependent Self-Adjuvanting Antitumor Vaccines Eliciting Potent Immune Response in Mice. Molecular Pharmaceutics, 2020, 17, 417-425.	2.3	24
20	Chitosan nanoparticles based nanovaccines for cancer immunotherapy. Pure and Applied Chemistry, 2017, 89, 931-939.	0.9	21
21	Exploring the Roles of Post-Translational Modifications in the Pathogenesis of Parkinsonâ€™s Disease Using Synthetic and Semisynthetic Modified Î±-Synuclein. ACS Chemical Neuroscience, 2019, 10, 910-921.	1.7	21
22	Characterizing the assembly behaviors of human amylin: a perspective derived from C-terminal variants. Chemical Communications, 2013, 49, 1799-1801.	2.2	20
23	Chemical Synthesis of Integral Membrane Proteins: Methods and Applications. Israel Journal of Chemistry, 2011, 51, 940-952.	1.0	19
24	Covalent Bond or Noncovalent Bond: A Supramolecular Strategy for the Construction of Chemically Synthesized Vaccines. Chemistry - A European Journal, 2014, 20, 13541-13546.	1.7	19
25	Differential Modulation of the Aggregation of Nâ€Terminal Truncated AÎ² using Cucurbiturils. Chemistry - A European Journal, 2018, 24, 13647-13653.	1.7	19
26	Phosphorylated and Phosphonated Lowâ€Complexity Protein Segments for Biomimetic Mineralization and Repair of Tooth Enamel. Advanced Science, 2022, 9, e2103829.	5.6	19
27	Facile synthesis of cyclopeptide-centered multivalent glycoclusters with â€˜click chemistryâ€™ and molecular recognition study by surface plasmon resonance. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3775-3778.	1.0	17
28	Direct immobilization of oxyamine-modified proteins from cell lysates. Chemical Communications, 2012, 48, 10829.	2.2	17
29	Investigation of the Assembly Behavior of an Amphiphilic Lipopeptide at the Liquid Crystalâ€“Aqueous Interface. Langmuir, 2019, 35, 2490-2497.	1.6	17
30	Synthesis of Î±,Î±-Difluorinated Phosphonate pSer/pThr Mimetics via Rhodium-Catalyzed Asymmetric Hydrogenation of Î²-Difluorophosphonomethyl Î±-(Acylamino)acrylates. Organic Letters, 2018, 20, 3278-3281.	2.4	16
31	CASTING: A Potent Supramolecular Strategy to Cytosolically Deliver STING Agonist for Cancer Immunotherapy and SARS-CoV-2 Vaccination. CCS Chemistry, 2023, 5, 885-901.	4.6	16
32	Facile synthesis of Fmoc-protected phosphonate pSer mimetic and its application in assembling a substrate peptide of 14-3-3 Î¶. Tetrahedron Letters, 2017, 58, 2551-2553.	0.7	15
33	Selfâ€Assembled Nanoâ€Immunostimulant for Synergistic Immune Activation. ChemBioChem, 2017, 18, 1721-1729.	1.3	15
34	Influence of Serine O-Glycosylation or O-Phoshorylation Close to the vJun Nuclear Localisation Sequence on Nuclear Import. ChemBioChem, 2006, 7, 88-97.	1.3	14
35	Rational design of an orthosteric regulator of hIAPP aggregation. Chemical Communications, 2015, 51, 2095-2098.	2.2	14
36	Selective inhibition of cancer cells by enzyme-induced gain of function of phosphorylated melittin analogues. Chemical Science, 2017, 8, 7675-7681.	3.7	14

#	Article	IF	Citations
37	Synthetic MUC1 Antitumor Vaccine Candidates with Varied Glycosylation Pattern Bearing <i>R/S</i>â€configured Pam₃CysSerLys₄. ChemBioChem, 2016, 17, 1412-1415.	1.3	13
38	<i>De Novo</i> Design To Synthesize Lanthipeptides Involving Cascade Cysteine Reactions: SapB Synthesis as an Example. Journal of Organic Chemistry, 2018, 83, 7528-7533.	1.7	13
39	Uncovering the pathological functions of Ser404 phosphorylation by semisynthesis of a phosphorylated TDP-43 prion-like domain. Chemical Communications, 2020, 56, 5370-5373.	2.2	13
40	A hostâ€“guest ATP responsive strategy for intracellular delivery of phosphopeptides. Chemical Communications, 2020, 56, 5512-5515.	2.2	13
41	Stereoselective synthesis of a phosphonate pThr mimetic <i>via</i> palladium-catalyzed Î³-C(sp³)â€“H activation for peptide preparation. Organic and Biomolecular Chemistry, 2019, 17, 2099-2102.	1.5	11
42	A covalently reactive group-modified peptide that specifically reacts with lysine16 in amyloid Î². Chemical Communications, 2012, 48, 10565.	2.2	10
43	Clearance of the intracellular high level of the Tau protein directed by an artificial synthetic hydrolase. Molecular BioSystems, 2014, 10, 3081-3085.	2.9	10
44	Chemical Methods to Knock Down the Amyloid Proteins. Molecules, 2017, 22, 916.	1.7	10
45	Synthesis of an MUC1 Glycopeptide Dendrimer Based on Î²-Cyclodextrin by Click Chemistry. Synlett, 2017, 28, 1961-1965.	1.0	9
46	Intrinsically Disordered Protein Condensate-Modified Surface for Mitigation of Biofouling and Foreign Body Response. Journal of the American Chemical Society, 2022, 144, 12147-12157.	6.6	9
47	A multi-functional peptide as an HIV-1 entry inhibitor based on self-concentration, recognition, and covalent attachment. Organic and Biomolecular Chemistry, 2012, 10, 6512.	1.5	8
48	Strategy for Designing a Synthetic Tumor Vaccine: Multi-Component, Multivalency and Antigen Modification. Vaccines, 2014, 2, 549-562.	2.1	8
49	Azacalix[2]arene[2]carbazoles: synthesis, structure and properties. RSC Advances, 2016, 6, 27988-27992.	1.7	8
50	Semiâ€synthesis of murine prion protein by native chemical ligation and chemical activation for preparation of polypeptideâ€•Î± â€thioester. Journal of Peptide Science, 2017, 23, 438-444.	0.8	8
51	Prophylactic Vaccine Based on Pyroglutamate-3 Amyloid Î² Generates Strong Antibody Response and Rescues Cognitive Decline in Alzheimerâ€™s Disease Model Mice. ACS Chemical Neuroscience, 2017, 8, 454-459.	1.7	8
52	Inward Budding and Endocytosis of Membranes Regulated by de Novo Designed Peptides. Langmuir, 2018, 34, 6183-6193.	1.6	8
53	Modern Peptide and Protein Chemistry: Reaching New Heights. Journal of Organic Chemistry, 2020, 85, 1328-1330.	1.7	8
54	Metal ion and light sequentially induced solâ€“gelâ€“sol transition of a responsive peptide-hydrogel. Soft Matter, 2020, 16, 7652-7658.	1.2	7

#	Article	IF	Citations
55	Stabilization of the RAS:PDE6D Complex Is a Novel Strategy to Inhibit RAS Signaling. Journal of Medicinal Chemistry, 2022, 65, 1898-1914.	2.9	7
56	Tau Protein Associated Inhibitors in Alzheimer Disease. Chinese Journal of Chemistry, 2014, 32, 964-968.	2.6	6
57	Inhibition of K-Ras4B-plasma membrane association with a membrane microdomain-targeting peptide. Chemical Science, 2020, 11, 826-832.	3.7	6
58	Recent Advances in Postâ€polymerization Modifications on Polypeptides: Synthesis and Applications. Chemistry - an Asian Journal, 2022, 17, .	1.7	6
59	Unremitting progresses for phosphoprotein synthesis. Current Opinion in Chemical Biology, 2020, 58, 96-111.	2.8	5
60	Facile synthesis of a pentasaccharide mimic of a fragment of the capsular polysaccharide of Streptococcus pneumoniae type 15C. Carbohydrate Research, 2008, 343, 607-614.	1.1	4
61	Cucurbit[8]uril facilitated Michael addition for regioselective cysteine modification. Chemical Communications, 2021, 57, 6086-6089.	2.2	4
62	Phosphorylation regulates proteolytic efficiency of TEV protease detected by a 5(6)-carboxyfluorescein-pyrene based fluorescent sensor. Talanta, 2016, 150, 340-345.	2.9	3
63	Addition of artificial salt bridge by Ile646Lys mutation in gp41 coiled-coil domain regulates 6-helical bundle formation. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 2727-2732.	1.0	2
64	Dual-labeling of ubiquitin proteins by chemoselective reactions for sensing UCH-L3. Molecular BioSystems, 2016, 12, 1764-1767.	2.9	2
65	Helices with Rational Residues Conduct Different Modulations towards Aβ Aggregation. Chemistry Letters, 2017, 46, 979-982.	0.7	2
66	A site-specific branching poly-glutamate tag mediates intracellular protein delivery by cationic lipids. Biochemical and Biophysical Research Communications, 2018, 503, 671-676.	1.0	2
67	Different phosphorylation and farnesylation patterns tune Rnd3â€"14-3-3 interaction in distinct mechanisms. Chemical Science, 2021, 12, 4432-4442.	3.7	2
68	Short Peptide Segment and Insulin Co-Assembly Forms Cytotoxic Oligomers. International Journal of Peptide Research and Therapeutics, 2013, 19, 185-189.	0.9	1
69	New progress in active immunotherapy targeting to amyloid beta. Science China Chemistry, 2015, 58, 383-389.	4.2	1
70	Facile Synthesis of Boc-Protected Selenocystine and its Compatibility with Late-Stage Farnesylation at Cysteine Site. Protein and Peptide Letters, 2021, 28, 603-611.	0.4	0