

# Yan-Mei Li

## List of Publications by Citations

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184  
papers

3,726  
citations

32  
h-index

53  
g-index

192  
ext. papers

4,385  
ext. citations

5.3  
avg, IF

5.38  
L-index

#	Paper	IF	Citations
184	TiO <sub>2</sub> nanoparticles promote beta-amyloid fibrillation in vitro. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 373, 315-8	3.4	181
183	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
182	A computational and experimental investigation of the interaction between the template molecule and the functional monomer used in the molecularly imprinted polymer. <i>Analytica Chimica Acta</i> , <b>2005</b> , 542, 186-192	6.6	114
181	Synthetic multivalent glycopeptide-lipo peptide antitumor vaccines: impact of the cluster effect on the killing of tumor cells. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 1699-703	16.4	102
180	Fully synthetic vaccines consisting of tumor-associated MUC1 glycopeptides and a lipopeptide ligand of the Toll-like receptor 2. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 3688-92	16.4	102
179	Copper binding properties of a tau peptide associated with Alzheimer's disease studied by CD, NMR, and MALDI-TOF MS. <i>Peptides</i> , <b>2006</b> , 27, 841-9	3.8	98
178	Self-adjuvanting synthetic antitumor vaccines from MUC1 glycopeptides conjugated to T-cell epitopes from tetanus toxoid. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 6106-10	16.4	96
177	Sequestration of copper from beta-amyloid promotes selective lysis by cyclen-hybrid cleavage agents. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 31657-64	5.4	96
176	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
175	Variation of the glycosylation pattern in MUC1 glycopeptide BSA vaccines and its influence on the immune response. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 1719-23	16.4	82
174	Characterization of copper binding to the peptide amyloid-beta(1-16) associated with Alzheimer's disease. <i>Biopolymers</i> , <b>2006</b> , 83, 20-31	2.2	79
173	Fully synthetic self-adjuvanting thioether-conjugated glycopeptide-lipo peptide antitumor vaccines for the induction of complement-dependent cytotoxicity against tumor cells. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 1962-70	4.8	77
172	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
171	Binding of copper (II) ion to an Alzheimer's tau peptide as revealed by MALDI-TOF MS, CD, and NMR. <i>Biopolymers</i> , <b>2005</b> , 79, 74-85	2.2	72
170	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
169	Copper (II) modulates in vitro aggregation of a tau peptide. <i>Peptides</i> , <b>2007</b> , 28, 2229-34	3.8	65
168	Influence of hydrophobicity on the surface-catalyzed assembly of the islet amyloid polypeptide. <i>ACS Nano</i> , <b>2011</b> , 5, 2770-8	16.7	59

167	Phosphorylation induces distinct alpha-synuclein strain formation. <i>Scientific Reports</i> , <b>2016</b> , 6, 37130	4.9	57
166	Designable Immune Therapeutic Vaccine System Based on DNA Supramolecular Hydrogels. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 9310-9314	9.5	55
165	Amyloid beta (1-42) folding multiplicity and single-molecule binding behavior studied with STM. <i>Journal of Molecular Biology</i> , <b>2009</b> , 388, 894-901	6.5	55
164	Copper-induced cytotoxicity: reactive oxygen species or islet amyloid polypeptide oligomer formation. <i>Chemical Communications</i> , <b>2010</b> , 46, 6909-11	5.8	54
163	Towards a fully synthetic MUC1-based anticancer vaccine: efficient conjugation of glycopeptides with mono-, di-, and tetravalent lipopeptides using click chemistry. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 6396-406	4.8	53
162	Lipid-enveloped zinc phosphate hybrid nanoparticles for codelivery of H-2K(b) and H-2D(b)-restricted antigenic peptides and monophosphoryl lipid A to induce antitumor immunity against melanoma. <i>Journal of Controlled Release</i> , <b>2016</b> , 228, 26-37	11.7	51
161	Hydrogen peroxide can be generated by tau in the presence of Cu(II). <i>Biochemical and Biophysical Research Communications</i> , <b>2007</b> , 358, 661-5	3.4	50
160	Agonists and inhibitors of the STING pathway: Potential agents for immunotherapy. <i>Medicinal Research Reviews</i> , <b>2020</b> , 40, 1117-1141	14.4	49
159	Parkinson's disease-related phosphorylation at Tyr39 rearranges alpha-synuclein amyloid fibril structure revealed by cryo-EM. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 20305-20315	11.5	48
158	Phosphoryl group participation leads to peptide formation from N-phosphorylamino acids. <i>International Journal of Peptide and Protein Research</i> , <b>1992</b> , 39, 375-81		41
157	Synthesis of Tn/T Antigen MUC1 Glycopeptide BSA Conjugates and Their Evaluation as Vaccines. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 3685-3689	3.2	38
156	Low-barrier hydrogen bond between phosphate and the amide group in phosphopeptide. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 16350-1	16.4	37
155	Co-assembly of human islet amyloid polypeptide (hIAPP)/insulin. <i>Chemical Communications</i> , <b>2012</b> , 48, 191-3	5.8	36
154	Self-activation of N-phosphoamino acids and N-phosphodipeptides in oligopeptide formation. <i>International Journal of Peptide and Protein Research</i> , <b>1995</b> , 45, 514-8		34
153	O-GlcNAcylation modulates the self-aggregation ability of the fourth microtubule-binding repeat of tau. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 375, 59-62	3.4	34
152	Vollsynthetische Vakzinen aus tumorassoziierten MUC1-Glycopeptiden und einem Lipopeptid-Liganden des Toll-like Rezeptors 2. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 3772-3776	3.6	32
151	N-phosphoryl amino acids and biomolecular origins. <i>Origins of Life and Evolution of Biospheres</i> , <b>2004</b> , 34, 455-64	1.5	31
150	Carboxyl catalytic effect of N-phosphoryl aspartic acid. <i>Bioorganic Chemistry</i> , <b>1992</b> , 20, 285-295	5.1	29

- 149 Chemical Strategies to Boost Cancer Vaccines. *Chemical Reviews*, **2020**, 120, 11420-11478 68.1 29
- 148 Phosphorylation Weakens but Does Not Inhibit Membrane Binding and Clustering of K-Ras4B. *ACS Chemical Biology*, **2017**, 12, 1703-1710 4.9 28
- 147 Novel Mannitol-Based Small Molecules for Inhibiting Aggregation of  $\beta$ -Synuclein Amyloids in Parkinson's Disease. *Frontiers in Molecular Biosciences*, **2019**, 6, 16 5.6 27
- 146 Glycopeptide Nanoconjugates Based on Multilayer Self-Assembly as an Antitumor Vaccine. *Bioconjugate Chemistry*, **2015**, 26, 1439-42 6.3 27
- 145 Targeting STING with cyclic di-GMP greatly augmented immune responses of glycopeptide cancer vaccines. *Chemical Communications*, **2018**, 54, 9655-9658 5.8 27
- 144 Detection of specific noncovalent interaction of peptide with DNA by MALDI-TOF. *Journal of the American Society for Mass Spectrometry*, **2004**, 15, 28-31 3.5 25
- 143 Hydrophobic tagging-mediated degradation of Alzheimer's disease related Tau. *RSC Advances*, **2017**, 7, 40362-40366 3.7 24
- 142 Insulin is a kinetic but not a thermodynamic inhibitor of amylin aggregation. *FEBS Journal*, **2009**, 276, 3365-71 5.7 24
- 141 Copper inducing A $\beta$ 2 rather than A $\beta$ 0 nanoscale oligomer formation is the key process for A $\beta$  neurotoxicity. *Nanoscale*, **2011**, 3, 4746-51 7.7 23
- 140 Activity difference between alpha-COOH and beta-COOH in N-phosphorylaspartic acids. *Journal of Organic Chemistry*, **2003**, 68, 4052-8 4.2 23
- 139 N-phosphoryl amino acid models for P-N bonds in prebiotic chemical evolution. *Science China Chemistry*, **2015**, 58, 374-382 7.9 22
- 138 Mapping ApoE/A $\beta$  binding regions to guide inhibitor discovery. *Molecular BioSystems*, **2011**, 7, 1693-700 22
- 137 Dual functions of beta-amyloid oligomer and fibril in Cu(II)-induced H<sub>2</sub>O<sub>2</sub> production. *Regulatory Peptides*, **2010**, 163, 1-6 21
- 136 Multivalente synthetische Glycopeptid-Lipopeptid-Antitumorvakzine: Auswirkung des Cluster-Effekts auf das Abtöten von Tumorzellen. *Angewandte Chemie*, **2014**, 126, 1725-1729 3.6 20
- 135 Antimicrobial activity of human islet amyloid polypeptides: an insight into amyloid peptides' connection with antimicrobial peptides. *Biological Chemistry*, **2012**, 393, 641-6 4.5 20
- 134 MUC1-Glycopeptidkonjugate mit T-Zellepitopen von Tetanus-Toxoid als vollsynthetische Antitumor-Vakzine mit Eigenverstärkungseffekt. *Angewandte Chemie*, **2013**, 125, 6222-6226 3.6 20
- 133 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. *Journal of Biological Chemistry*, **2017**, 292, 2611-2623 5.4 19
- 132 Covalent bond or noncovalent bond: a supramolecular strategy for the construction of chemically synthesized vaccines. *Chemistry - A European Journal*, **2014**, 20, 13541-6 4.8 19

131	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
130	Phosphorylation modulates the local conformation and self-aggregation ability of a peptide from the fourth tau microtubule-binding repeat. <i>FEBS Journal</i> , <b>2007</b> , 274, 5012-20	5.7	18
129	Synthesis and conformational properties of phosphopeptides related to the human tau protein. <i>Regulatory Peptides</i> , <b>2005</b> , 130, 48-56		18
128	2D amyloid aggregation of human islet amyloid polypeptide at the solid-liquid interface. <i>Soft Matter</i> , <b>2012</b> , 8, 1616-1622	3.6	17
127	Cyclen-hybrid compound captures copper to protect INS-1 cells from islet amyloid polypeptide cytotoxicity by inhibiting and lysing effects. <i>Chemical Communications</i> , <b>2010</b> , 46, 8023-5	5.8	17
126	The self-assembly ability of the first microtubule-binding repeat from tau and its modulation by phosphorylation. <i>Biochemical and Biophysical Research Communications</i> , <b>2006</b> , 348, 637-42	3.4	17
125	Colorimetric determination of ascorbic acid using a polyallylamine-stabilized IrO/graphene oxide nanozyme as a peroxidase mimic. <i>Mikrochimica Acta</i> , <b>2020</b> , 187, 110	5.8	17
124	Chitosan nanoparticles based nanovaccines for cancer immunotherapy. <i>Pure and Applied Chemistry</i> , <b>2017</b> , 89, 931-939	2.1	16
123	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
122	Facile synthesis of cyclopeptide-centered multivalent glycoclusters with click chemistry and molecular recognition study by surface plasmon resonance. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2009</b> , 19, 3775-8	2.9	15
121	Studies on cleavage of DNA by N-phosphoryl branched peptides. <i>Peptides</i> , <b>2006</b> , 27, 1554-60	3.8	15
120	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
119	Urea-Functionalized Poly(ionic liquid) Photonic Spheres for Visual Identification of Explosives with a Smartphone. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 21078-21085	9.5	14
118	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
117	Emerging Adjuvants for Cancer Immunotherapy. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 601	5	14
116	TDP-43 specific reduction induced by Di-hydrophobic tags conjugated peptides. <i>Bioorganic Chemistry</i> , <b>2019</b> , 84, 254-259	5.1	14
115	A common intermediate for prebiotic synthesis of proteins and nucleosides: a density functional theory (DFT) study on the formation of penta-coordinate phosphorus carboxylic-phosphoric mixed anhydride from N-phosphoryl amino acids. <i>Computational and Theoretical Chemistry</i> , <b>2004</b> , 672, 51-60		13
114	THE BIOORGANIC CHEMICAL REACTIONS OF N-PHOSPHOAMINO ACIDS WITHOUT SIDE CHAIN FUNCTIONAL GROUP PARTICIPATED BY PHOSPHORYL GROUP. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1993</b> , 78, 15-21	1	13

113	Black phosphorous nanosheet: A novel immune-potentiating nanoadjuvant for near-infrared-improved immunotherapy. <i>Biomaterials</i> , <b>2021</b> , 273, 120788	15.6	13
112	Mechanistic basis for receptor-mediated pathological $\beta$ synuclein fibril cell-to-cell transmission in Parkinson's disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	13
111	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
110	Exploring the binding mechanism of thioflavin-T to the $\beta$ amyloid peptide by blind docking method. <i>Science China Chemistry</i> , <b>2012</b> , 55, 112-117	7.9	12
109	Variation des Glycosylierungsmusters von Vakzinen aus MUC1- Glycopeptiden und Rinderserumalbumin und der Einfluss auf die Immunreaktion. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 1751-1755	3.6	12
108	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
107	Penta-coordinate phosphorous compounds and biochemistry. <i>Science in China Series B: Chemistry</i> , <b>2002</b> , 45, 337-348		12
106	Exploring the Roles of Post-Translational Modifications in the Pathogenesis of Parkinson's Disease Using Synthetic and Semisynthetic Modified $\beta$ synuclein. <i>ACS Chemical Neuroscience</i> , <b>2019</b> , 10, 910-921	5.7	12
105	Chemical modifications of tryptophan residues in peptides and proteins. <i>Journal of Peptide Science</i> , <b>2021</b> , 27, e3286	2.1	12
104	Self-Assembled Nano-Immunostimulant for Synergistic Immune Activation. <i>ChemBioChem</i> , <b>2017</b> , 18, 1721-1729	3.8	11
103	Black Phosphorus Nanomaterials Regulate the Aggregation of Amyloid- $\beta$ <i>ChemNanoMat</i> , <b>2019</b> , 5, 606-611	3.5	11
102	Rational design of an orthosteric regulator of hIAPP aggregation. <i>Chemical Communications</i> , <b>2015</b> , 51, 2095-8	5.8	11
101	Molecular Evidence of Glycosylation Effect on the Peptide Assemblies Identified with Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 6577-6582	3.8	11
100	Fibrillar seeds alleviate amyloid- $\beta$ cytotoxicity by omitting formation of higher-molecular-weight oligomers. <i>Biochemical and Biophysical Research Communications</i> , <b>2013</b> , 439, 321-6	3.4	11
99	Experimental study on magnetic drug targeting in treating cholangiocarcinoma based on internal magnetic fields. <i>Chinese-German Journal of Clinical Oncology</i> , <b>2006</b> , 5, 336-338		11
98	The use of crude lipase in deprotection of C-terminal protecting groups. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2002</b> , 18, 243-249		11
97	Negative-ion electrospray ionization tandem mass spectrometry of N-phosphoryl amino acids and dipeptides. <i>Rapid Communications in Mass Spectrometry</i> , <b>2002</b> , 16, 790-6	2.2	11
96	Effect of the Phosphate Group with Different Negative Charges on the Conformation of Phosphorylated Ser/Thr-Pro Motif. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2005</b> , 11, 159-165	2.1	11



95	Synthesis of $\beta$ -Difluorinated Phosphonate pSer/pThr Mimetics via Rhodium-Catalyzed Asymmetric Hydrogenation of $\beta$ -Difluorophosphonomethyl $\alpha$ -(Acylamino)acrylates. <i>Organic Letters</i> , <b>2018</b> , 20, 3278-3281	6.2	11
94	A host-guest ATP responsive strategy for intracellular delivery of phosphopeptides. <i>Chemical Communications</i> , <b>2020</b> , 56, 5512-5515	5.8	10
93	Chemical Methods to Knock Down the Amyloid Proteins. <i>Molecules</i> , <b>2017</b> , 22,	4.8	10
92	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
91	Stereoselective synthesis of a phosphonate pThr mimetic via palladium-catalyzed $\alpha$ C(sp)-H activation for peptide preparation. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 2099-2102	3.9	9
90	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
89	Hybrid peptides attenuate cytotoxicity of beta-amyloid by inhibiting its oligomerization: implication from solvent effects. <i>Peptides</i> , <b>2009</b> , 30, 1282-7	3.8	9
88	Prevention and promotion effects of apolipoprotein E4 on amylin aggregation. <i>Biochemical and Biophysical Research Communications</i> , <b>2008</b> , 368, 414-8	3.4	9
87	Tyrosine phosphorylation/dephosphorylation regulates peroxynitrite-mediated peptide nitration. <i>Regulatory Peptides</i> , <b>2007</b> , 144, 1-5		9
86	Novel phosphoryl derivatization method for peptide sequencing by electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2002</b> , 16, 531-6	2.2	9
85	Synthesis and matrix assisted laser desorption/ionization time of flight (MALDI-TOF) mass spectrometry study of phosphopeptide. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2003</b> , 10, 57-62		9
84	Phosphoryl group differentiating $\beta$ -amino acids from $\alpha$ - and $\gamma$ -amino acids in prebiotic peptide formation. <i>International Journal of Quantum Chemistry</i> , <b>2003</b> , 94, 232-241	2.1	9
83	Differentiation of $\beta$ -COOH from $\alpha$ -COOH in aspartic acids by N-phosphorylation. <i>International Journal of Quantum Chemistry</i> , <b>2001</b> , 83, 41-51	2.1	9
82	Activities of $\beta$ -COOH vs $\alpha$ -COOH in N-Phosphoryl Amino Acids: A Theoretical Study. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 11565-11569	2.8	9
81	Tryptophan-glucosamine conjugates modulate tau-derived PHF6 aggregation at low concentrations. <i>Chemical Communications</i> , <b>2019</b> , 55, 14621-14624	5.8	9
80	Rational Design of a Cocktail of Inhibitors against A $\beta$ Aggregation. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 3499-3503	4.8	9
79	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
78	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

77	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
76	Direct phosphorylation of nucleosides by oxyphosphorane. <i>Tetrahedron Letters</i> , <b>1997</b> , 38, 1615-1618	2	8
75	Facile synthesis of Nε(benzyl, methyl)-lysine as a building block for site-specifically lysine monomethylated peptides. <i>Tetrahedron Letters</i> , <b>2006</b> , 47, 5997-5999	2	8
74	Synthesis of Site-Specifically Dimethylated and Trimethylated Peptides Derived from Histone H3 N-Terminal Tail. <i>International Journal of Peptide Research and Therapeutics</i> , <b>2006</b> , 12, 187-193	2.1	8
73	Facile synthesis of Fmoc-protected phosphonate pSer mimetic and its application in assembling a substrate peptide of 14-3-3. <i>Tetrahedron Letters</i> , <b>2017</b> , 58, 2551-2553	2	7
72	Prophylactic Vaccine Based on Pyroglutamate-3 Amyloid β 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
71	PamCSK-CDG Augments Antitumor Immunotherapy by Synergistically Activating TLR1/2 and STING. <i>Bioconjugate Chemistry</i> , <b>2020</b> , 31, 2499-2503	6.3	7
70	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
69	Novel acetylation-aided migrating rearrangement of uridine-diphosphate-N-acetylglucosamine in electrospray ionization multistage tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2006</b> , 41, 208-15	2.2	7
68	Regulation of liquid-liquid phase separation with focus on post-translational modifications. <i>Chemical Communications</i> , <b>2021</b> , 57, 13275-13287	5.8	7
67	Semi-synthesis of murine prion protein by native chemical ligation and chemical activation for preparation of polypeptide-β-thioester. <i>Journal of Peptide Science</i> , <b>2017</b> , 23, 438-444	2.1	6
66	The TrkB-T1 receptor mediates BDNF-induced migration of aged cardiac microvascular endothelial cells by recruiting Willin. <i>Aging Cell</i> , <b>2019</b> , 18, e12881	9.9	6
65	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
64	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
63	Analysis of the phosphoryl transfer mechanism of c-AMP dependent protein kinase (PKA) by penta-coordinate phosphoric transition state theory. <i>Current Protein and Peptide Science</i> , <b>2005</b> , 6, 437-42	2.8	6
62	THE STUDY OF PHOSPHORAMIDITE AS O-PHOSPHITYLATION AGENT AND ITS REACTIVITY. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2000</b> , 164, 277-291	1	6
61	Effects of N-phosphorylated amino acids on membrane phospholipid of human erythrocytes. <i>Journal of Biological Physics</i> , <b>1993</b> , 19, 85-94	1.6	6
60	A chitosan-mediated inhalable nanovaccine against SARS-CoV-2.. <i>Nano Research</i> , <b>2022</b> , 1-10	10	6



59	Regulation of Immune Activation by Optical Control of TLR1/2 Heterodimerization. <i>ChemBioChem</i> , <b>2020</b> , 21, 1150-1154	3.8	6
58	An investigation into the formation of annular aggregates of human islet amyloid polypeptide on tantalum oxide surfaces. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 2493-7	4.8	5
57	Research progress in protein post-translational modification. <i>Science Bulletin</i> , <b>2006</b> , 51, 633-645		5
56	Condensation properties of vesicles formed from an amphiphilic N-phosphorylamino acid. <i>Journal of Colloid and Interface Science</i> , <b>2005</b> , 287, 307-11	9.3	5
55	Differentiation of $\beta$ COOH from $\alpha$ COOH in glutamic acid by N-phosphorylation. <i>Computational and Theoretical Chemistry</i> , <b>2001</b> , 574, 163-175		5
54	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
53	Capturing protein droplets: label-free visualization and detection of protein liquid-liquid phase separation with an aggregation-induced emission fluorogen. <i>Chemical Communications</i> , <b>2021</b> , 57, 3805-3808	5.8	5
52	Tau Protein Associated Inhibitors in Alzheimer Disease. <i>Chinese Journal of Chemistry</i> , <b>2014</b> , 32, 964-968	4.9	4
51	Hydroxylation of 3-nitrotyrosine and its derivatives by gamma irradiation. <i>Radiation Research</i> , <b>2006</b> , 166, 639-45	3.1	4
50	Theoretical Study on the Rearrangement of $\beta$ OH and $\alpha$ OH in ESI Mass Spectrometry by N-Phosphorylation. <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 7686-7690	2.8	4
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