

# Peng Xu

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

983  
citations

471509

17  
h-index

526287

27  
g-index

63  
all docs

63  
docs citations

63  
times ranked

1326  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization and source identification of submicron aerosol during serious haze pollution periods in Beijing. <i>Journal of Environmental Sciences</i> , 2022, 112, 25-37.	6.1	11
2	Structure-based molecular insights into matrix metalloproteinase inhibitors in cancer treatments. <i>Future Medicinal Chemistry</i> , 2022, 14, 35-51.	2.3	3
3	Total Synthesis and Stereochemistry Assignment of Nucleoside Antibiotic Aâ€94964. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	5
4	More than a Leaving Group: <i>N</i> -Phenyltrifluoroacetimidate as a Remote Directing Group for Highly Selective 1,2-cis Glycosylation. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	12
5	<i>Diphenylphosphinoyl</i> acetyl as a Remote Directing Group for the Highly Stereoselective Synthesis of Glycosides. <i>Chinese Journal of Chemistry</i> , 2022, 40, 443-452.	4.9	18
6	Development and Application of the New Integrated Equipment and Process of the Nine-Steam-Nine-Bask Method in the Processing of <i>Polygonatum cyrtoneuma</i> . <i>Processes</i> , 2022, 10, 1044.	2.8	4
7	Direct Synthesis of 2,6-Dideoxyglycosides and Rhamnosides with a Stereodirecting <i>Diphenylphosphinoyl</i> acetyl Group. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	9
8	Facile Synthesis of Saikosaponins. <i>Molecules</i> , 2021, 26, 1941.	3.8	4
9	Synthetic Homogeneous Glycoforms of the SARS-CoV-2 Spike Receptor Binding Domain Reveals Different Binding Profiles of Monoclonal Antibodies. <i>Angewandte Chemie</i> , 2021, 133, 13014-13020.	2.0	2
10	Synthetic Homogeneous Glycoforms of the SARS-CoV-2 Spike Receptor Binding Domain Reveals Different Binding Profiles of Monoclonal Antibodies. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12904-12910.	13.8	49
11	Using porphyrins as albumin-binding molecules to enhance antitumor efficacies and reduce systemic toxicities of antimicrobial peptides. <i>European Journal of Medicinal Chemistry</i> , 2021, 217, 113382.	5.5	9
12	PEGylated AdipoRon derivatives improve glucose and lipid metabolism under insulinopenic and high-fat diet conditions. <i>Journal of Lipid Research</i> , 2021, 62, 100095.	4.2	13
13	Facile Synthesis of Oleanane-type Pentacyclic Triterpenoids Bearing Hydroxy Groups on D/E Rings. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 1752-1755.	2.7	3
14	Total Synthesis of Nucleoside Antibiotics Amicetin, Plicacetin, and Cytosaminomycin Aâ€”D. <i>Chinese Journal of Chemistry</i> , 2021, 39, 2679-2684.	4.9	8
15	Facile access to C-glycosyl amino acids and peptides via Ni-catalyzed reductive hydroglycosylation of alkynes. <i>Nature Communications</i> , 2021, 12, 4924.	12.8	35
16	Dual effects of quercetin on protein digestion and absorption in the digestive tract. <i>Food Chemistry</i> , 2021, 358, 129891.	8.2	13
17	Potent inhibition of Severe Acute Respiratory Syndrome Coronavirus 2 by photosensitizers compounds. <i>Dyes and Pigments</i> , 2021, 194, 109570.	3.7	12
18	Chemical synthesis of saponins: An update. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , 2021, 79, 1-62.	0.9	13

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19	A nanometer-sized protease inhibitor for precise cancer diagnosis and treatment. <i>Journal of Materials Chemistry B</i> , 2020, 8, 504-514.	5.8	6
20	Embelin ameliorated sepsis-induced disseminated intravascular coagulation intensities by simultaneously suppressing inflammation and thrombosis. <i>Biomedicine and Pharmacotherapy</i> , 2020, 130, 110528.	5.6	12
21	Specific inhibition of plasminogen activator inhibitor 1 reduces blood glucose level by lowering TNF- $\alpha$ . <i>Life Sciences</i> , 2020, 246, 117404.	4.3	6
22	Suppression of cancer proliferation and metastasis by a versatile nanomedicine integrating photodynamic therapy, photothermal therapy, and enzyme inhibition. <i>Acta Biomaterialia</i> , 2020, 113, 541-553.	8.3	8
23	Therapeutics targeting the fibrinolytic system. <i>Experimental and Molecular Medicine</i> , 2020, 52, 367-379.	7.7	73
24	Chemical Synthesis of Fucosylated Chondroitin Sulfate Oligosaccharides. <i>Journal of Organic Chemistry</i> , 2020, 85, 15908-15919.	3.2	10
25	Synthesis of Oligosaccharides Relevant to the Substrates of Heparanase <i>via</i> Dehydrative Glycosylation. <i>Acta Chimica Sinica</i> , 2020, 78, 767.	1.4	5
26	A New Approach to the Synthesis of Acteoside. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 3439.	1.3	1
27	Small Peptides as Modulators of Serine Proteases. <i>Current Medicinal Chemistry</i> , 2020, 27, 3686-3705.	2.4	6
28	A Glucose-Triptolide Conjugate Selectively Targets Cancer Cells under Hypoxia. <i>IScience</i> , 2020, 23, 101536.	4.1	16
29	&lt;p&gt;Tumor-targeting photodynamic therapy based on folate-modified polydopamine nanoparticles&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 6799-6812.	6.7	32
30	Specifically targeting cancer proliferation and metastasis processes: the development of matriptase inhibitors. <i>Cancer and Metastasis Reviews</i> , 2019, 38, 507-524.	5.9	14
31	Suppression of Tumor Growth and Metastases by Targeted Intervention in Urokinase Activity with Cyclic Peptides. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 2172-2183.	6.4	12
32	Synthesis of spirostanol saponins via gold(I)-catalyzed glycosylation in the presence of Ga(OTf) <sub>3</sub> , In(OTf) <sub>3</sub> , or HOTf. <i>Chinese Journal of Chemistry</i> , 2019, 37, 827-833.	4.9	7
33	Molecular and structural basis of nucleoside diphosphate kinase-mediated regulation of spore and sclerotia development in the fungus <i>Aspergillus flavus</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 12415-12431.	3.4	24
34	Smart Photosensitizer: Tumor-Triggered Oncotherapy by Self-Assembly Photodynamic Nanodots. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 15369-15380.	8.0	34
35	Phthalocyanine-based photosensitizer with tumor-pH-responsive properties for cancer theranostics. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6080-6088.	5.8	20
36	Cleavage of peptidic inhibitors by target protease is caused by peptide conformational transition. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2017-2023.	2.4	3

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37	Crystal structure of plasma kallikrein reveals the unusual flexibility of the S1 pocket triggered by Glu217. <i>FEBS Letters</i> , 2018, 592, 2658-2667.	2.8	5
38	Molecular basis of rutin inhibition of protein disulfide isomerase (PDI) by combined <i>in silico</i> and experimental methods. <i>RSC Advances</i> , 2018, 8, 18480-18491.	3.6	22
39	An effective zinc phthalocyanine derivative against multidrug-resistant bacterial infection. <i>Journal of Porphyrins and Phthalocyanines</i> , 2017, 21, 205-210.	0.8	10
40	Photodynamic Oncotherapy Mediated by Gonadotropin-Releasing Hormone Receptors. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 8667-8672.	6.4	15
41	Wet deposition and scavenging ratio of air pollutants during an extreme rainstorm in the North China Plain. <i>Atmospheric and Oceanic Science Letters</i> , 2017, 10, 348-353.	1.3	22
42	Structural Principles in the Development of Cyclic Peptidic Enzyme Inhibitors. <i>International Journal of Biological Sciences</i> , 2017, 13, 1222-1233.	6.4	10
43	Targeted Delivery and Sustained Antitumor Activity of Triptolide through Glucose Conjugation. <i>Angewandte Chemie</i> , 2016, 128, 12214-12218.	2.0	10
44	Targeted Delivery and Sustained Antitumor Activity of Triptolide through Glucose Conjugation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 12035-12039.	13.8	57
45	Microwave-assisted simultaneous O,N-sulfonation in the synthesis of heparin-like oligosaccharides. <i>Organic Chemistry Frontiers</i> , 2016, 3, 103-109.	4.5	19
46	Effective Synthesis of $\beta$ -D-GlcNAc(1 $\rightarrow$ 4)-D-GlcA-linked O-GlcNAc Glycosidic Linkage under Gold(I) Catalysis. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 756-762.	2.7	16
47	Design of Specific Serine Protease Inhibitors Based on a Versatile Peptide Scaffold: Conversion of a Urokinase Inhibitor to a Plasma Kallikrein Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 8868-8876.	6.4	16
48	Selection of High-Affinity Peptidic Serine Protease Inhibitors with Increased Binding Entropy from a Back-Flip Library of Peptide-Protease Fusions. <i>Journal of Molecular Biology</i> , 2015, 427, 3110-3122.	4.2	9
49	A Cyclic Peptidic Serine Protease Inhibitor: Increasing Affinity by Increasing Peptide Flexibility. <i>PLoS ONE</i> , 2014, 9, e115872.	2.5	22
50	Efficient synthesis of a library of heparin tri- and tetrasaccharides relevant to the substrate of heparanase. <i>Organic Chemistry Frontiers</i> , 2014, 1, 405-414.	4.5	26
51	Zinc phthalocyanine conjugated with the amino-terminal fragment of urokinase for tumor-targeting photodynamic therapy. <i>Acta Biomaterialia</i> , 2014, 10, 4257-4268.	8.3	54
52	A study on oscillating second-kind boundary condition for Pennes equation considering thermal relaxation. <i>European Physical Journal Plus</i> , 2014, 129, 1.	2.6	3
53	Dismountable sample holder apparatus for rapid thermal conductivity measurements based on cryocooler. , 2012, , .		3
54	Investigations of the structural evolution of electrospun nanofibers using atomic force microscopy. <i>RSC Advances</i> , 2012, 2, 11104.	3.6	8

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55	Zn <sup>2+</sup> Responsive Bimodal Magnetic Resonance Imaging and Fluorescent Imaging Probe Based on a Gadolinium(III) Complex. <i>Inorganic Chemistry</i> , 2012, 51, 9508-9516.	4.0	58
56	Advanced functional nanomaterials with microemulsion phase. <i>Science China Technological Sciences</i> , 2012, 55, 387-416.	4.0	14
57	Receptor-Targeting Phthalocyanine Photosensitizer for Improving Antitumor Photocytotoxicity. <i>PLoS ONE</i> , 2012, 7, e37051.	2.5	32
58	Daily intakes of copper, zinc and arsenic in drinking water by population of Shanghai, China. <i>Science of the Total Environment</i> , 2006, 362, 50-55.	8.0	34
59	Summer Exposure Assessment of Cu and Zn in Drinking Water in Shanghai, China. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006, 41, 2465-2481.	1.7	3
60	Total Synthesis and Stereochemistry Assignment of Nucleoside Antibiotic A <sup>94964</sup> . <i>Angewandte Chemie</i> , 0, , .	2.0	0
61	More than a Leaving Group: <i>N</i> -Phenyltrifluoroacetimidate as a Remote Directing Group for Highly Selective 1,2- <i>cis</i> Glycosylation. <i>Angewandte Chemie</i> , 0, , .	2.0	1