

# Peng Dai

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

718  
citations

759233

12  
h-index

888059

17  
g-index

21  
all docs

21  
docs citations

21  
times ranked

989  
citing authors

#	ARTICLE	IF	CITATIONS
1	Affinity-based capture and identification of protein effectors of the growth regulator ppGpp. <i>Nature Chemical Biology</i> , 2019, 15, 141-150.	8.0	159
2	Nitrogen Arylation for Macrocyclization of Unprotected Peptides. <i>Journal of the American Chemical Society</i> , 2016, 138, 8340-8343.	13.7	104
3	Palladium Oxidative Addition Complexes for Peptide and Protein Cross-linking. <i>Journal of the American Chemical Society</i> , 2018, 140, 3128-3133.	13.7	93
4	Cholesterol-binding site of the influenza M2 protein in lipid bilayers from solid-state NMR. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12946-12951.	7.1	85
5	Site-Selective Cysteine-Cyclooctyne Conjugation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6459-6463.	13.8	67
6	Salt Effect Accelerates Site-Selective Cysteine Bioconjugation. <i>ACS Central Science</i> , 2016, 2, 637-646.	11.3	36
7	Structure of HIV TAR in complex with a Lab-Evolved RRM provides insight into duplex RNA recognition and synthesis of a constrained peptide that impairs transcription. <i>Nucleic Acids Research</i> , 2018, 46, 6401-6415.	14.5	27
8	Selective multiplexed enrichment for the detection and quantitation of low-fraction DNA variants via low-depth sequencing. <i>Nature Biomedical Engineering</i> , 2021, 5, 690-701.	22.5	27
9	A deep learning model for predicting next-generation sequencing depth from DNA sequence. <i>Nature Communications</i> , 2021, 12, 4387.	12.8	26
10	A structural and mechanistic study of Î€-clamp-mediated cysteine perfluoroarylation. <i>Scientific Reports</i> , 2017, 7, 7954.	3.3	20
11	Designing Well-Structured Cyclic Pentapeptides Based on Sequence-Structure Relationships. <i>Journal of Physical Chemistry B</i> , 2018, 122, 3908-3919.	2.6	20
12	Site-Selective Cysteine-Cyclooctyne Conjugation. <i>Angewandte Chemie</i> , 2018, 130, 6569-6573.	2.0	16
13	Calibration-free NGS quantitation of mutations below 0.01% VAF. <i>Nature Communications</i> , 2021, 12, 6123.	12.8	13
14	Ensemble of nucleic acid absolute quantitation modules for copy number variation detection and RNA profiling. <i>Nature Communications</i> , 2022, 13, 1791.	12.8	8
15	Hairpin Structure Facilitates Multiplex High-Fidelity DNA Amplification in Real-Time Polymerase Chain Reaction. <i>Analytical Chemistry</i> , 2022, 94, 9586-9594.	6.5	6
16	A reactive peptide interface for site-selective cysteine bioconjugation. <i>Chemical Communications</i> , 2021, 57, 3227-3230.	4.1	5
17	Cost-Efficient Sequence-Based Nonextensible Oligonucleotide in Real-Time PCR and High-Throughput Sequencing. <i>ACS Sensors</i> , 2022, 7, 1165-1174.	7.8	0