

Yi Pei

List of Publications by Year in descending order

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304368

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3248
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#	ARTICLE	IF	CITATIONS
1	Live Cell Membranome cDNA Screen: A Novel Homogenous Live Cell Binding Assay to Study Membrane Protein-Ligand Interaction. <i>SLAS Discovery</i> , 2019, 24, 978-986.	1.4	2
2	5'-Vinylphosphonate: A Stable Phosphate Mimic Can Improve the RNAi Activity of siRNA-GalNAc Conjugates. <i>ChemBioChem</i> , 2016, 17, 985-989.	1.3	95
3	Systematic chemical modifications of single stranded siRNAs significantly improved CTNNB1 mRNA silencing. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 4513-4517.	1.0	7
4	Assessing the Heterogeneity Level in Lipid Nanoparticles for siRNA Delivery: Size-Based Separation, Compositional Heterogeneity, and Impact on Bioperformance. <i>Molecular Pharmaceutics</i> , 2013, 10, 397-405.	2.3	28
5	Effective siRNA delivery and target mRNA degradation using an amphipathic peptide to facilitate pH-dependent endosomal escape. <i>Biochemical Journal</i> , 2011, 435, 475-487.	1.7	59
6	Effect of biological matrix and sample preparation on qPCR quantitation of siRNA drugs in animal tissues. <i>Journal of Pharmacological and Toxicological Methods</i> , 2011, 63, 168-173.	0.3	13
7	RNA-Induced Silencing Complex-Bound Small Interfering RNA Is a Determinant of RNA Interference-Mediated Gene Silencing in Mice. <i>Molecular Pharmacology</i> , 2011, 79, 953-963.	1.0	44
8	Separable Functions of the Fission Yeast Spt5 Carboxyl-Terminal Domain (CTD) in Capping Enzyme Binding and Transcription Elongation Overlap with Those of the RNA Polymerase II CTD. <i>Molecular and Cellular Biology</i> , 2010, 30, 2353-2364.	1.1	57
9	Quantitative evaluation of siRNA delivery in vivo. <i>Rna</i> , 2010, 16, 2553-2563.	1.6	66
10	Characterization of the <i>Schizosaccharomyces pombe</i> Spt5-Spt4 complex. <i>Rna</i> , 2009, 15, 1241-1250.	1.6	16
11	Strand-specific 5'-O-methylation of siRNA duplexes controls guide strand selection and targeting specificity. <i>Rna</i> , 2008, 14, 263-274.	1.6	174
12	Cucumber mosaic virus-encoded 2b suppressor inhibits Arabidopsis Argonaute1 cleavage activity to counter plant defense. <i>Genes and Development</i> , 2006, 20, 3255-3268.	2.7	589
13	Structural Biology of RNA Silencing and Its Functional Implications. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2006, 71, 81-93.	2.0	33
14	On the art of identifying effective and specific siRNAs. <i>Nature Methods</i> , 2006, 3, 670-676.	9.0	269
15	A Potential Protein-RNA Recognition Event along the RISC-Loading Pathway from the Structure of <i>A. aeolicus</i> Argonaute with Externally Bound siRNA. <i>Structure</i> , 2006, 14, 1557-1565.	1.6	45
16	Cyclin-Dependent Kinase 9 (Cdk9) of Fission Yeast Is Activated by the CDK-Activating Kinase Csk1, Overlaps Functionally with the TFIIF-Associated Kinase Mcs6, and Associates with the mRNA Cap Methyltransferase Pcm1 In Vivo. <i>Molecular and Cellular Biology</i> , 2006, 26, 777-788.	1.1	51
17	Structural basis for 5'-end-specific recognition of guide RNA by the <i>A. fulgidus</i> Piwi protein. <i>Nature</i> , 2005, 434, 666-670.	13.7	596
18	Crystal Structure of <i>A. aeolicus</i> Argonaute, a Site-Specific DNA-Guided Endoribonuclease, Provides Insights into RISC-Mediated mRNA Cleavage. <i>Molecular Cell</i> , 2005, 19, 405-419.	4.5	349

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19	Homodimeric Quaternary Structure Is Required for the in Vivo Function and Thermal Stability of Saccharomyces cerevisiae and Schizosaccharomyces pombe RNA Triphosphatases. Journal of Biological Chemistry, 2003, 278, 30487-30496.	1.6	16
20	Mutational Analysis of Bacteriophage T4 RNA Ligase 1. Journal of Biological Chemistry, 2003, 278, 29454-29462.	1.6	47
21	Characterization of the Schizosaccharomyces pombe Cdk9/Pch1 Protein Kinase. Journal of Biological Chemistry, 2003, 278, 43346-43356.	1.6	61
22	Interactions between Fission Yeast Cdk9, Its Cyclin Partner Pch1, and mRNA Capping Enzyme Pct1 Suggest an Elongation Checkpoint for mRNA Quality Control. Journal of Biological Chemistry, 2003, 278, 7180-7188.	1.6	61
23	Interactions between Fission Yeast mRNA Capping Enzymes and Elongation Factor Spt5. Journal of Biological Chemistry, 2002, 277, 19639-19648.	1.6	122
24	RNA triphosphatase is essential in Schizosaccharomyces pombe and Candida albicans. BMC Microbiology, 2001, 1, 29.	1.3	16
25	Characterization of Schizosaccharomyces pombe RNA triphosphatase. Nucleic Acids Research, 2001, 29, 387-396.	6.5	42
26	The Length, Phosphorylation State, and Primary Structure of the RNA Polymerase II Carboxyl-terminal Domain Dictate Interactions with mRNA Capping Enzymes. Journal of Biological Chemistry, 2001, 276, 28075-28082.	1.6	64
27	Mutational Analyses of Yeast RNA Triphosphatases Highlight a Common Mechanism of Metal-dependent NTP Hydrolysis and a Means of Targeting Enzymes to Pre-mRNAs in Vivo by Fusion to the Guanylyltransferase Component of the Capping Apparatus. Journal of Biological Chemistry, 1999, 274, 28865-28874.	1.6	44
28	Yeast and Viral RNA 5' Triphosphatases Comprise a New Nucleoside Triphosphatase Family. Journal of Biological Chemistry, 1998, 273, 34151-34156.	1.6	77