

Matthew D Shortridge

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

640
citations

840776

11
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

1147
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive computational design of ordered peptide macrocycles. <i>Science</i> , 2017, 358, 1461-1466.	12.6	146
2	Estimating Protein-Ligand Binding Affinity Using High-Throughput Screening by NMR. <i>ACS Combinatorial Science</i> , 2008, 10, 948-958.	3.3	95
3	Structure based approaches for targeting non-coding RNAs with small molecules. <i>Current Opinion in Structural Biology</i> , 2015, 30, 79-88.	5.7	73
4	Development of Small Molecules with a Noncanonical Binding Mode to HIV-1 Trans Activation Response (TAR) RNA. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 11148-11160.	6.4	72
5	A Macrocyclic Peptide Ligand Binds the Oncogenic MicroRNA-21 Precursor and Suppresses Dicer Processing. <i>ACS Chemical Biology</i> , 2017, 12, 1611-1620.	3.4	57
6	Analysis of metabolomic PCA data using tree diagrams. <i>Analytical Biochemistry</i> , 2010, 399, 58-63.	2.4	54
7	An ultra-high affinity ligand of HIV-1 TAR reveals the RNA structure recognized by P-TEFb. <i>Nucleic Acids Research</i> , 2019, 47, 1523-1531.	14.5	37
8	A Multi-Step NMR Screen for the Identification and Evaluation of Chemical Leads for Drug Discovery. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2009, 12, 285-295.	1.1	21
9	Structure of the RNA Specialized Translation Initiation Element that Recruits eIF3 to the 5'-UTR of c-Jun. <i>Journal of Molecular Biology</i> , 2020, 432, 1841-1855.	4.2	16
10	Structure and function of <i>Pseudomonas aeruginosa</i> protein PA1324 (21â€“170). <i>Protein Science</i> , 2009, 18, 606-618.	7.6	13
11	Correlation between Protein Function and Ligand Binding Profiles. <i>Journal of Proteome Research</i> , 2011, 10, 2538-2545.	3.7	12
12	Structural and Functional Similarity between the Bacterial Type III Secretion System Needle Protein PrgI and the Eukaryotic Apoptosis Bcl-2 Proteins. <i>PLoS ONE</i> , 2009, 4, e7442.	2.5	11
13	Bacterial protein structures reveal phylum dependent divergence. <i>Computational Biology and Chemistry</i> , 2011, 35, 24-33.	2.3	10
14	Efficient NMR Screening Approach to Discover Small Molecule Fragments Binding Structured RNA. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 1253-1260.	2.8	9
15	A Small Cyclic Hairpin Peptide Mimics the Rbfox2 RNA Recognition Motif and Binds to the Precursor miRNA 20b. <i>ChemBioChem</i> , 2019, 20, 931-939.	2.6	6
16	A Slow Dynamic RNA Switch Regulates Processing of microRNA-21. <i>Journal of Molecular Biology</i> , 2022, 434, 167694.	4.2	4
17	¹ H, ¹³ C, and ¹⁵ N NMR assignments for the helicase interaction domain of <i>Staphylococcus aureus</i> DnaG primase. <i>Biomolecular NMR Assignments</i> , 2012, 6, 35-38.	0.8	2