Isaac J Kimsey

List of Publications by Year
in descending order

12	848	933447 10	1199594 12
papers	citations	h-index	g-index

13	13	13	894
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Visualizing transient Watsonâ€“Crick-like mispairs in DNA and RNA duplexes. Nature, 2015, 519, 315-320.	27.8	218
2	Dynamic basis for dGâ€¢dT misincorporation via tautomerization and ionization. Nature, 2018, 554, 195-201.	27.8	117
3	m1A and m1G disrupt A-RNA structure through the intrinsic instability of Hoogsteen base pairs. Nature Structural and Molecular Biology, 2016, 23, 803-810.	8.2	100
4	A historical account of hoogsteen baseâ€pairs in duplex DNA. Biopolymers, 2013, 99, 955-968.	2.4	92
5	New insights into Hoogsteen base pairs in DNA duplexes from a structure-based survey. Nucleic Acids Research, 2015, 43, 3420-3433.	14.5	66
6	Dual-function triazoleâ€“pyridine derivatives as inhibitors of metal-induced amyloid-Î² aggregation. Metallomics, 2012, 4, 910.	2.4	58
7	Characterizing RNA Excited States Using NMR Relaxation Dispersion. Methods in Enzymology, 2015, 558, 39-73.	1.0	55
8	Characterizing micro-to-millisecond chemical exchange in nucleic acids using off-resonance R1Ï• relaxation dispersion. Progress in Nuclear Magnetic Resonance Spectroscopy, 2019, 112-113, 55-102.	7.5	53
9	Direct NMR Evidence that Transient Tautomeric and Anionic States in dGÂ·dT Form Watsonâ€“Crick-like Base Pairs. Journal of the American Chemical Society, 2017, 139, 4326-4329.	13.7	47
10	Shortening the HIV-1 TAR RNA Bulge by a Single Nucleotide Preserves Motional Modes over a Broad Range of Time Scales. Biochemistry, 2016, 55, 4445-4456.	2.5	23
11	Revealing A-T and G-C Hoogsteen base pairs in stressed protein-bound duplex DNA. Nucleic Acids Research, 2021, 49, 12540-12555.	14.5	10
12	Measuring thermodynamic preferences to form non-native conformations in nucleic acids using ultraviolet melting. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	8