Eric J Montemayor

List of Publications by Citations

19 papers	225 citations	9 h-index	14 g-index
19 ext. papers	285 ext. citations	9.8 avg, IF	2.76 L-index

#	Paper	IF	Citations
19	Core structure of the U6 small nuclear ribonucleoprotein at 1.7-Å resolution. *Nature Structural and Molecular Biology*, **2014**, 21, 544-51	17.6	52
18	Structural Analysis of Multi-Helical RNAs by NMR-SAXS/WAXS: Application to the U4/U6 di-snRNA. *Journal of Molecular Biology*, **2016**, 428, 777-789	6.5	33
17	Structural basis of lariat RNA recognition by the intron debranching enzyme Dbr1. *Nucleic Acids Research*, **2014**, 42, 10845-55	20.1	27
16	Regiospecific solid-phase synthesis of branched oligoribonucleotides that mimic intronic lariat RNA intermediates. *Journal of Organic Chemistry*, **2014**, 79, 963-75	4.2	19
15	Usb1 controls U6 snRNP assembly through evolutionarily divergent cyclic phosphodiesterase activities. *Nature Communications*, **2017**, 8, 497	17.4	16
14	Structural requirements for protein-catalyzed annealing of U4 and U6 RNAs during di-snRNP assembly. *Nucleic Acids Research*, **2016**, 44, 1398-410	20.1	15
13	Metal dependence and branched RNA cocrystal structures of the RNA lariat debranching enzyme Dbr1. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 14727-14732	11.5	15
12	Molecular basis for the distinct cellular functions of the Lsm1-7 and Lsm2-8 complexes. *Rna*, **2020**, 26, 1400-1413	5.8	9
11	Architecture of the U6 snRNP reveals specific recognition of 3′-end processed U6 snRNA. *Nature Communications*, **2018**, 9, 1749	17.4	9
10	Structural and mechanistic basis for preferential deadenylation of U6 snRNA by Usb1. *Nucleic Acids Research*, **2018**, 46, 11488-11501	20.1	9
9	Fluorescent Branched RNAs for High-Throughput Analysis of Dbr1 Enzyme Kinetics and Inhibition. *ACS Chemical Biology*, **2017**, 12, 622-627	4.9	5
8	Design, Synthesis, and Properties of Phosphoramidate 2′,5′-Linked Branched RNA: Toward the Rational Design of Inhibitors of the RNA Lariat Debranching Enzyme. *Journal of Organic Chemistry*, **2015**, 80, 10108-18	4.2	5
7	Structure and conformational plasticity of the U6 small nuclear ribonucleoprotein core. *Acta Crystallographica Section D: Structural Biology*, **2017**, 73, 1-8	5.5	5
6	Flagellar Structures from the Bacterium Caulobacter crescentus and Implications for Phage CbK Predation of Multiflagellin Bacteria. *Journal of Bacteriology*, **2021**, 203,	3.5	3
5	Structure of an RNA helix with pyrimidine mismatches and cross-strand stacking. *Acta Crystallographica Section F, Structural Biology Communications*, **2019**, 75, 652-656	1.1	2
4	Molecular basis for the distinct cellular functions of the Lsm1-7 and Lsm2-8 complexes		1
3	RNA binding properties of the Lsm1′ ring from Schizosaccharomyces pombe. *FASEB Journal*, **2019**, 33, 460.12	0.9	

List of Publications

2	Investigation of how the Saccharomyces cerevisiae Lsm2-8 proteins bind to the 3′ end of U6 snRNA. *FASEB Journal*, **2015**, 29, 711.6	0.9
1	Structural basis for the evolution of cyclic phosphodiesterase activity in the U6 snRNA exoribonuclease Usb1. *Nucleic Acids Research*, **2020**, 48, 1423-1434	20.1