Israel S FernÃ¡ndez

List of Publications by Year
in descending order

18	2,306	567281 15	794594 19
papers	citations	h-index	g-index

29	29	29	3123
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	eIF5B and eIF1A reorient initiator tRNA to allow ribosomal subunit joining. Nature, 2022, 607, 185-190.	27.8	25
2	Dynamic competition between SARS-CoV-2 NSP1 and mRNA on the human ribosome inhibits translation initiation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	145
3	Long-range interdomain communications in eIF5B regulate GTP hydrolysis and translation initiation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1429-1437.	7.1	17
4	Structural basis of DNA targeting by a transposon-encoded CRISPRâ€“Cas system. Nature, 2020, 577, 271-274.	27.8	86
5	Structural basis for the transition from translation initiation to elongation by an 80S-eIF5B complex. Nature Communications, 2020, 11, 5003.	12.8	26
6	A complex IRES at the 5'-UTR of a viral mRNA assembles a functional 48S complex via an uAUG intermediate. ELife, 2020, 9, .	6.0	19
7	The Israeli acute paralysis virus IRES captures host ribosomes by mimicking a ribosomal state with hybrid tRNAs. EMBO Journal, 2019, 38, e102226.	7.8	16
8	Dual tRNA mimicry in the Cricket Paralysis Virus IRES uncovers an unexpected similarity with the Hepatitis C Virus IRES. ELife, 2018, 7, .	6.0	36
9	Mefloquine targets the Plasmodium falciparum 80S ribosome to inhibit protein synthesis. Nature Microbiology, 2017, 2, 17031.	13.3	128
10	Structural characterization of ribosome recruitment and translocation by type IV IRES. ELife, 2016, 5, .	6.0	82
11	Ribosome-dependent activation of stringent control. Nature, 2016, 534, 277-280.	27.8	200
12	Structural Changes Enable Start Codon Recognition by the Eukaryotic Translation Initiation Complex. Cell, 2014, 159, 597-607.	28.9	173
13	Initiation of Translation by Cricket Paralysis Virus IRES Requires Its Translocation in the Ribosome. Cell, 2014, 157, 823-831.	28.9	211
14	Structure of the Mammalian Ribosome-Sec61 Complex to 3.4ÂÃ... Resolution. Cell, 2014, 157, 1632-1643.	28.9	302
15	Elongation Factor G Bound to the Ribosome in an Intermediate State of Translocation. Science, 2013, 340, 1235490.	12.6	192
16	Molecular Architecture of a Eukaryotic Translational Initiation Complex. Science, 2013, 342, 1240585.	12.6	120
17	Unusual base pairing during the decoding of a stop codon by the ribosome. Nature, 2013, 500, 107-110.	27.8	135
18	Ribosome structures to near-atomic resolution from thirty thousand cryo-EM particles. ELife, 2013, 2, e00461.	6.0	378