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	Ribosome structures to near-atomic resolution from thirty thousand cryo-EM particles. ELife, 2013, 2, e00461.	6.0	378
2	Structure of the Mammalian Ribosome-Sec61 Complex to 3.4ÂÃ... Resolution. Cell, 2014, 157, 1632-1643.	28.9	302
3	Initiation of Translation by Cricket Paralysis Virus IRES Requires Its Translocation in the Ribosome. Cell, 2014, 157, 823-831.	28.9	211
4	Ribosome-dependent activation of stringent control. Nature, 2016, 534, 277-280.	27.8	200
5	Elongation Factor G Bound to the Ribosome in an Intermediate State of Translocation. Science, 2013, 340, 1235490.	12.6	192
6	Structural Changes Enable Start Codon Recognition by the Eukaryotic Translation Initiation Complex. Cell, 2014, 159, 597-607.	28.9	173
7	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
8	Unusual base pairing during the decoding of a stop codon by the ribosome. Nature, 2013, 500, 107-110.	27.8	135
9	Mefloquine targets the Plasmodium falciparum 80S ribosome to inhibit protein synthesis. Nature Microbiology, 2017, 2, 17031.	13.3	128
10	Molecular Architecture of a Eukaryotic Translational Initiation Complex. Science, 2013, 342, 1240585.	12.6	120
11	Structural basis of DNA targeting by a transposon-encoded CRISPRâ€“Cas system. Nature, 2020, 577, 271-274.	27.8	86
12	Structural characterization of ribosome recruitment and translocation by type IV IRES. ELife, 2016, 5, .	6.0	82
13	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
14	Structural basis for the transition from translation initiation to elongation by an 80S-eIF5B complex. Nature Communications, 2020, 11, 5003.	12.8	26
15	eIF5B and eIF1A reorient initiator tRNA to allow ribosomal subunit joining. Nature, 2022, 607, 185-190.	27.8	25
16	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
17	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
18	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