

# Erik D Olson

## List of Publications by Year in descending order

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13  
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docs citations

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times ranked

393  
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#	ARTICLE	IF	CITATIONS
1	Small-angle X-ray scattering-derived structure of the HIV-1 5' UTR reveals 3D tRNA mimicry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 3395-3400.	7.1	71
2	Retroviral Gag protein-RNA interactions: Implications for specific genomic RNA packaging and virion assembly. <i>Seminars in Cell and Developmental Biology</i> , 2019, 86, 129-139.	5.0	39
3	Inhibition of HIV-1 Gag-membrane interactions by specific RNAs. <i>Rna</i> , 2017, 23, 395-405.	3.5	32
4	Analysis of RNA structure using small-angle X-ray scattering. <i>Methods</i> , 2017, 113, 46-55.	3.8	20
5	HIV-1 Gag protein with or without p6 specifically dimerizes on the viral RNA packaging signal. <i>Journal of Biological Chemistry</i> , 2020, 295, 14391-14401.	3.4	20
6	Functional Equivalence of Retroviral MA Domains in Facilitating Psi RNA Binding Specificity by Gag. <i>Viruses</i> , 2016, 8, 256.	3.3	18
7	Progress and outlook in structural biology of large viral RNAs. <i>Virus Research</i> , 2014, 193, 24-38.	2.2	17
8	Mechanistic differences between HIV-1 and SIV nucleocapsid proteins and cross-species HIV-1 genomic RNA recognition. <i>Retrovirology</i> , 2016, 13, 89.	2.0	13
9	Conservation of tRNA mimicry in the 5'-untranslated region of distinct HIV-1 subtypes. <i>Rna</i> , 2017, 23, 1850-1859.	3.5	12
10	Integrative structural biology studies of HIV-1 reverse transcriptase binding to a high-affinity DNA aptamer. <i>Current Research in Structural Biology</i> , 2020, 2, 116-129.	2.2	8
11	New Structure Sheds Light on Selective HIV-1 Genomic RNA Packaging. <i>Viruses</i> , 2015, 7, 4826-4835.	3.3	6
12	Solution Conformation of Bovine Leukemia Virus Gag Suggests an Elongated Structure. <i>Journal of Molecular Biology</i> , 2019, 431, 1203-1216.	4.2	3
13	Phosphomimetic S207D Lysyl-tRNA Synthetase Binds HIV-1 5' UTR in an Open Conformation and Increases RNA Dynamics. <i>Viruses</i> , 2022, 14, 1556.	3.3	3