Robert Craigie

List of Publications by Year
in descending order

22 papers	1,404 citations	840776 11 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	1583 citing authors

#	Article	IF	Citations
1	A simple and cost-effective protocol for high-yield expression of deuterated and selectively isoleucine/leucine/valine methyl protonated proteins in Escherichia coli grown in shaker flasks. Journal of Biomolecular NMR, 2021, 75, 83-87.	2.8	4
2	Human Three Prime Repair Exonuclease 1 Promotes HIV-1 Integration by Preferentially Degrading Unprocessed Viral DNA. Journal of Virology, 2021, 95, e0055521.	3.4	6
3	Retroviral integrase: Structure, mechanism, and inhibition. The Enzymes, 2021, 50, 249-300.	1.7	8
4	A Peptide Derived from Lens Epitheliumâ€“Derived Growth Factor Stimulates HIV-1 DNA Integration and Facilitates Intasome Structural Studies. Journal of Molecular Biology, 2020, 432, 2055-2066.	4.2	11
5	Structural basis for strand-transfer inhibitor binding to HIV intasomes. Science, 2020, 367, 810-814.	12.6	74
6	A simple protocol for expression of isotope-labeled proteins in Escherichia coli grown in shaker flasks at high cell density. Journal of Biomolecular NMR, 2019, 73, 743-748.	2.8	8
7	Selection of 2'-Deoxy-2'-Fluoroarabino Nucleic Acid (FANA) Aptamers that Bind HIV-1 Integrase with Picomolar Affinity. ACS Chemical Biology, 2019, 14, 2166-2175.	3.4	31
8	Nucleoprotein Intermediates in HIV-1 DNA Integration: Structure and Function of HIV-1 Intasomes. Sub-Cellular Biochemistry, 2018, 88, 189-210.	2.4	9
9	Cryo-EM structures and atomic model of the HIV-1 strand transfer complex intasome. Science, 2017, 355, 89-92.	12.6	166
10	Outer domains of integrase within retroviral intasomes are dispensible for catalysis of DNA integration. Protein Science, 2016, 25, 472-478.	7.6	12
11	A simple and robust protocol for high-yield expression of perdeuterated proteins in EscherichiaÂcoli grown in shaker flasks. Journal of Biomolecular NMR, 2016, 66, 85-91.	2.8	49
12	The road to HIV-1 integrase inhibitors: the case for supporting basic research. Future Virology, 2014, 9, 899-903.	1.8	3
13	Host Factors in Retroviral Integration and the Selection of Integration Target Sites. Microbiology Spectrum, 2014, 2, .	3.0	40
14	Engineered Hyperactive Integrase for Concerted HIV-1 DNA Integration. PLoS ONE, 2014, 9, e105078.	2.5	34
15	HIV DNA Integration. Cold Spring Harbor Perspectives in Medicine, 2012, 2, a006890-a006890.	6.2	254
16	The molecular biology of HIV integrase. Future Virology, 2012, 7, 679-686.	1.8	54
17	Targeting HIV-1 DNA integration by swapping tethers. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 2735-2736.	7.1	8
18	Solution structure of the His 12 â† Cys mutant of the Nâ€terminal zinc binding domain of HIVâ€1 integrase complexed to cadmium. Protein Science, 1998, 7, 2669-2674.	7.6	40

#	Article	IF	Citations
19	Three new structures of the core domain of HIV-1 integrase: An active site that binds magnesium. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 9150-9154.	7.1	370
20	Retroviral integrases and their cousins. Current Opinion in Structural Biology, 1996, 6, 76-83.	5.7	217
21	Resolving a resolvase. Nature Structural Biology, 1995, 2, 607-609.	9.7	4
22	Host Factors in Retroviral Integration and the Selection of Integration Target Sites. , 0, , 1035-1050.		2