Joseph D Bauman

List of Publications by Year
in descending order

15	771	933447 10	996975 15
papers	citations	h-index	g-index

15	15	15	1198
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	HIV-1 reverse transcriptase complex with DNA and nevirapine reveals non-nucleoside inhibition mechanism. Nature Structural and Molecular Biology, 2012, 19, 253-259.	8.2	176
2	Structure of HIV-1 Reverse Transcriptase with the Inhibitor Î²-Thujaplicinol Bound at the RNase H Active Site. Structure, 2009, 17, 1625-1635.	3.3	135
3	Crystal engineering of HIV-1 reverse transcriptase for structure-based drug design. Nucleic Acids Research, 2008, 36, 5083-5092.	14.5	91
4	Detecting Allosteric Sites of HIV-1 Reverse Transcriptase by X-ray Crystallographic Fragment Screening. Journal of Medicinal Chemistry, 2013, 56, 2738-2746.	6.4	78
5	Crystallographic Fragment Screening and Structure-Based Optimization Yields a New Class of Influenza Endonuclease Inhibitors. ACS Chemical Biology, 2013, 8, 2501-2508.	3.4	76
6	Advantages of crystallographic fragment screening: Functional and mechanistic insights from a powerful platform for efficient drug discovery. Progress in Biophysics and Molecular Biology, 2014, 116, 92-100.	2.9	73
7	3-Hydroxyquinolin-2(1H)-ones As Inhibitors of Influenza A Endonuclease. ACS Medicinal Chemistry Letters, 2013, 4, 547-550.	2.8	44
8	Rapid experimental SAD phasing and hot-spot identification with halogenated fragments. IUCrJ, 2016, 3, 51-60.	2.2	27
9	Fragment Screening and HIV Therapeutics. Topics in Current Chemistry, 2011, 317, 181-200.	4.0	20
10	A New Class of Allosteric HIV-1 Integrase Inhibitors Identified by Crystallographic Fragment Screening of the Catalytic Core Domain. Journal of Biological Chemistry, 2016, 291, 23569-23577.	3.4	20
11	Structure of HIVâ€1 reverse transcriptase/d4TTP complex: Novel DNA crossâ€linking site and pHâ€dependent conformational changes. Protein Science, 2019, 28, 587-597.	7.6	11
12	Integrative structural biology studies of HIV-1 reverse transcriptase binding to a high-affinity DNA aptamer. Current Research in Structural Biology, 2020, 2, 116-129.	2.2	8
13	Differential Isotopic Enrichment To Facilitate Characterization of Asymmetric Multimeric Proteins Using Hydrogen/Deuterium Exchange Mass Spectrometry. Analytical Chemistry, 2015, 87, 4015-4022.	6.5	4
14	Aryl and Arylalkyl Substituted 3â€Hydroxypyridinâ€2(1 H)â€ones: Synthesis and Evaluation as Inhibitors of Influenzaâ€…A Endonuclease. ChemMedChem, 2019, 14, 1204-1223.	3.2	4
15	Crystal Structure of a Retroviral Polyprotein: Prototype Foamy Virus Protease-Reverse Transcriptase (PR-RT). Viruses, 2021, 13, 1495.	3.3	4