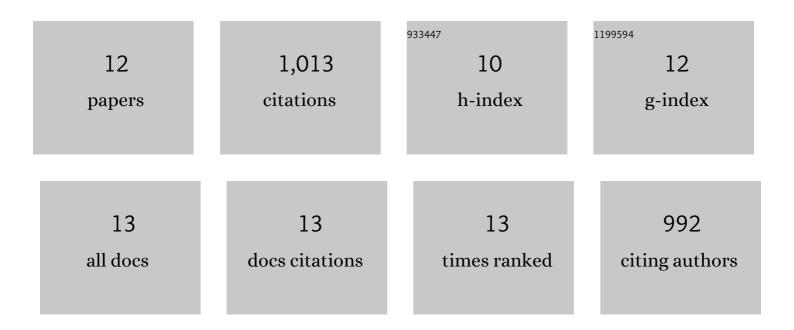
Ruth M Saecker

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Mechanism of Bacterial Transcription Initiation: RNA Polymerase - Promoter Binding, Isomerization to Initiation-Competent Open Complexes, and Initiation of RNA Synthesis. Journal of Molecular Biology, 2011, 412, 754-771.	4.2	284
2	Enthalpy and Heat Capacity Changes for Formation of an Oligomeric DNA Duplex:Â Interpretation in Terms of Coupled Processes of Formation and Association of Single-Stranded Helicesâ€. Biochemistry, 1999, 38, 8409-8422.	2.5	222
3	Structure and function of the mycobacterial transcription initiation complex with the essential regulator RbpA. ELife, 2017, 6, .	6.0	106
4	Time-resolved cryo-EM using Spotiton. Nature Methods, 2020, 17, 897-900.	19.0	96
5	Stepwise Promoter Melting by Bacterial RNA Polymerase. Molecular Cell, 2020, 78, 275-288.e6.	9.7	88
6	Solute Probes of Conformational Changes in Open Complex (RPo) Formation by Escherichia coli RNA Polymerase at the λPR Promoter:  Evidence for Unmasking of the Active Site in the Isomerization Step and for Large-Scale Coupled Folding in the Subsequent Conversion to RPo. Biochemistry, 2006, 45, 2161-2177.	2.5	52
7	One-step DNA melting in the RNA polymerase cleft opens the initiation bubble to form an unstable open complex. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10418-10423.	7.1	50
8	Late Steps in the Formation of E. coli RNA Polymerase—λPR Promoter Open Complexes: Characterization of Conformational Changes by Rapid [Perturbant] Upshift Experiments. Journal of Molecular Biology, 2008, 376, 1034-1047.	4.2	43
9	Structural origins of <i>Escherichia coli</i> RNA polymerase open promoter complex stability. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	23
10	Native Mass Spectrometry-Based Screening for Optimal Sample Preparation in Single-Particle Cryo-EM. Structure, 2021, 29, 186-195.e6.	3.3	19
11	Fluorescence Resonance Energy Transfer Characterization of DNA Wrapping in Closed and OpenEscherichia coliRNA Polymeraseâ^'λPRPromoter Complexes. Biochemistry, 2016, 55, 2174-2186.	2.5	15
12	Transcription initiation in mycobacteria: a biophysical perspective. Transcription, 2020, 11, 53-65.	3.1	15