

# Simone Kunzelmann

## List of Publications by Year in descending order

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15  
papers

541  
citations

759190

12  
h-index

996954

15  
g-index

18  
all docs

18  
docs citations

18  
times ranked

773  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phospho-dependent Regulation of SAMHD1 Oligomerisation Couples Catalysis and Restriction. PLoS Pathogens, 2015, 11, e1005194.	4.7	93
2	The speed of GTP hydrolysis determines GTP cap size and controls microtubule stability. ELife, 2020, 9, .	6.0	77
3	Targeting the nucleotide salvage factor DNPH1 sensitizes <i>BRCA</i> -deficient cells to PARP inhibitors. Science, 2021, 372, 156-165.	12.6	68
4	Mechanism of Interaction between Single-Stranded DNA Binding Protein and DNA. Biochemistry, 2010, 49, 843-852.	2.5	59
5	A Biosensor for Fluorescent Determination of ADP with High Time Resolution. Journal of Biological Chemistry, 2009, 284, 33130-33138.	3.4	43
6	A Fluorescent, Reagentless Biosensor for ADP Based on Tetramethylrhodamine-Labeled ParM. ACS Chemical Biology, 2010, 5, 415-425.	3.4	41
7	A Continuous Enzyme-Coupled Assay for Triphosphohydrolase Activity of HIV-1 Restriction Factor SAMHD1. Antimicrobial Agents and Chemotherapy, 2015, 59, 186-192.	3.2	38
8	Crystal structures of SAMHD1 inhibitor complexes reveal the mechanism of water-mediated dNTP hydrolysis. Nature Communications, 2020, 11, 3165.	12.8	25
9	Ubiquitin activation is essential for schizont maturation in Plasmodium falciparum blood-stage development. PLoS Pathogens, 2020, 16, e1008640.	4.7	24
10	SAMHD1 enhances nucleoside-analogue efficacy against HIV-1 in myeloid cells. Scientific Reports, 2017, 7, 42824.	3.3	23
11	Fluorescent Biosensors: Design and Application to Motor Proteins. Exs, 2014, 105, 25-47.	1.4	17
12	Fluorescence detection of GDP in real time with the reagentless biosensor rhodamine-ParM. Biochemical Journal, 2011, 440, 43-49.	3.7	12
13	Auxiliary-assisted chemical ubiquitylation of NEMO and linear extension by HOIP. Communications Chemistry, 2019, 2, 111.	4.5	7
14	Probing the Catalytic Mechanism and Inhibition of SAMHD1 Using the Differential Properties of R <sub>p</sub> - and S <sub>p</sub> -dNTP±S Diastereomers. Biochemistry, 2021, 60, 1682-1698.	2.5	7
15	Reduced sialidase activity of influenza A(H3N2) neuraminidase associated with positively charged amino acid substitutions. Journal of General Virology, 2021, 102, .	2.9	4