

Brian E Watts

List of Publications by Year in descending order

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14
papers

1,090
citations

933447

10
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

1567
citing authors

#	ARTICLE	IF	CITATIONS
1	Abundant ribonucleotide incorporation into DNA by yeast replicative polymerases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4949-4954.	7.1	367
2	Genome instability due to ribonucleotide incorporation into DNA. <i>Nature Chemical Biology</i> , 2010, 6, 774-781.	8.0	346
3	Targeted selection of HIV-specific antibody mutations by engineering B cell maturation. <i>Science</i> , 2019, 366, .	12.6	118
4	Cold sensitivity of the SARS-CoV-2 spike ectodomain. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 128-131.	8.2	65
5	Proofreading of ribonucleotides inserted into DNA by yeast DNA polymerase δ . <i>DNA Repair</i> , 2012, 11, 649-656.	2.8	56
6	Selection of immunoglobulin elbow region mutations impacts interdomain conformational flexibility in HIV-1 broadly neutralizing antibodies. <i>Nature Communications</i> , 2019, 10, 654.	12.8	34
7	Enrichment of endogenous fractalkine and anti-inflammatory cells via aptamer-functionalized hydrogels. <i>Biomaterials</i> , 2017, 142, 52-61.	11.4	31
8	Ribonucleotide incorporation by yeast DNA polymerase δ . <i>DNA Repair</i> , 2014, 18, 63-67.	2.8	20
9	Determinants of Tenascin-C and HIV-1 envelope binding and neutralization. <i>Mucosal Immunology</i> , 2019, 12, 1004-1012.	6.0	18
10	Quantitative Characterization of Bivalent Probes for a Dual Bromodomain Protein, Transcription Initiation Factor TFIID Subunit 1. <i>Biochemistry</i> , 2018, 57, 2140-2149.	2.5	16
11	HIV envelope antigen valency on peptide nanofibers modulates antibody magnitude and binding breadth. <i>Scientific Reports</i> , 2021, 11, 14494.	3.3	6
12	B cells expressing IgM B cell receptors of HIV-1 neutralizing antibodies discriminate antigen affinities by sensing binding association rates. <i>Cell Reports</i> , 2022, 39, 111021.	6.4	6
13	Cooperation between somatic mutation and germline-encoded residues enables antibody recognition of HIV-1 envelope glycans. <i>PLoS Pathogens</i> , 2019, 15, e1008165.	4.7	5
14	Feasibility of Developing Radiotracers for MDM2: Synthesis and Preliminary Evaluation of an ^{18}F -Labeled Analogue of the MDM2 Inhibitor SP-141. <i>Pharmaceuticals</i> , 2021, 14, 358.	3.8	2