Rahul Bhowmick

List of Publications by Year
in descending order

24 papers	1,228 citations	430843 18 h-index	580810 25 g-index
26 all docs	26 docs citations	26 times ranked	1634 citing authors

#	Article	IF	Citations
1	RAD52 Facilitates Mitotic DNA Synthesis Following Replication Stress. Molecular Cell, 2016, 64, 1117-1126.	9.7	310
2	Antiviral activity of baicalin against influenza virus H1N1-pdm09 is due to modulation of NS1-mediated cellular innate immune responses. Journal of Antimicrobial Chemotherapy, 2014, 69, 1298-1310.	3.0	100
3	RECQ5 Helicase Cooperates with MUS81 Endonuclease in Processing Stalled Replication Forks at Common Fragile Sites during Mitosis. Molecular Cell, 2017, 66, 658-671.e8.	9.7	81
4	High-resolution mapping of mitotic DNA synthesis regions and common fragile sites in the human genome through direct sequencing. Cell Research, 2020, 30, 997-1008.	12.0	74
5	Human cancer cells utilize mitotic DNA synthesis to resist replication stress at telomeres regardless of their telomere maintenance mechanism. Oncotarget, 2018, 9, 15836-15846.	1.8	73
6	RTEL1 suppresses G-quadruplex-associated R-loops at difficult-to-replicate loci in the human genome. Nature Structural and Molecular Biology, 2020, 27, 424-437.	8.2	60
7	TRAIP drives replisome disassembly and mitotic DNA repair synthesis at sites of incomplete DNA replication. ELife, 2019, 8, .	6.0	57
8	Acute inactivation of the replicative helicase in human cells triggers MCM8â€“9-dependent DNA synthesis. Genes and Development, 2017, 31, 816-829.	5.9	47
9	Rotaviral Enterotoxin Nonstructural Protein 4 Targets Mitochondria for Activation of Apoptosis during Infection. Journal of Biological Chemistry, 2012, 287, 35004-35020.	3.4	45
10	Rotavirus-Encoded Nonstructural Protein 1 Modulates Cellular Apoptotic Machinery by Targeting Tumor Suppressor Protein p53. Journal of Virology, 2013, 87, 6840-6850.	3.4	42
11	The RIF1-PP1 Axis Controls Abscission Timing in Human Cells. Current Biology, 2019, 29, 1232-1242.e5.	3.9	42
12	Tyrosine phosphorylation modulates mitochondrial chaperonin Hsp60 and delays rotavirus NSP4-mediated apoptotic signaling in host cells. Cellular Microbiology, 2017, 19, e12670.	2.1	36
13	MAVS Protein Is Attenuated by Rotavirus Nonstructural Protein 1. PLoS ONE, 2014, 9, e92126.	2.5	32
14	Identification of Cellular Calcium Binding Protein Calmodulin as a Regulator of Rotavirus A Infection during Comparative Proteomic Study. PLoS ONE, 2013, 8, e56655.	2.5	31
15	Rotavirus NSP1 inhibits interferon induced non-canonical NFÎºB activation by interacting with TNF receptor associated factor 2. Virology, 2013, 444, 41-44.	2.4	30
16	Rotavirus disrupts cytoplasmic P bodies during infection. Virus Research, 2015, 210, 344-354.	2.2	28
17	The "enemies within": regions of the genome that are inherently difficult to replicate. F1000Research, 2017, 6, 666.	1.6	28
18	Identification of common human host genes involved in pathogenesis of different rotavirus strains: An attempt to recognize probable antiviral targets. Virus Research, 2012, 169, 144-153.	2.2	27

#	Article	IF	Citations
19	Inducing and Detecting Mitotic DNA Synthesis at Difficult-to-Replicate Loci. Methods in Enzymology, 2018, 601, 45-58.	1.0	21
20	Rotaviral nonstructural protein 4 triggers dynamin-related protein 1-dependent mitochondrial fragmentation during infection. Cellular Microbiology, 2018, 20, e12831.	2.1	20
21	Rotavirus infection induces G1 to S phase transition in MA104 cells via Ca+2/Calmodulin pathway. Virology, 2014, 454-455, 270-279.	2.4	19
22	Phosphorylation Drives an Apoptotic Protein to Activate Antiapoptotic Genes. Journal of Biological Chemistry, 2013, 288, 14554-14568.	3.4	14
23	In silico study of potential autoimmune threats from rotavirus infection. Computational Biology and Chemistry, 2014, 51, 51-56.	2.3	6
24	MicroRNA-449a Inhibits Triple Negative Breast Cancer by Disturbing DNA Repair and Chromatid Separation. International Journal of Molecular Sciences, 2022, 23, 5131.	4.1	1