Atanu Maiti

List of Publications by Year
in descending order

25 papers	1,329 citations	758635 12 h-index	713013 21 g-index
26 all docs	26 docs citations	26 times ranked	1659 citing authors

#	Article	IF	Citations
1	Interactions of APOBEC3s with DNA and RNA. Current Opinion in Structural Biology, 2021, 67, 195-204.	2.6	12
2	Crystal Structure of a Soluble APOBEC3G Variant Suggests ssDNA to Bind in a Channel that Extends between the Two Domains. Journal of Molecular Biology, 2020, 432, 6042-6060.	2.0	12
3	Crystal structure of the catalytic domain of HIV-1 restriction factor APOBEC3G in complex with ssDNA. Nature Communications, 2018, 9, 2460.	5.8	58
4	Nanoscale Characterization of Interaction of APOBEC3G with RNA. Biochemistry, 2017, 56, 1473-1481.	1.2	13
5	Lesion search and recognition by thymine DNA glycosylase revealed by single molecule imaging. Nucleic Acids Research, 2015, 43, 2716-2729.	6.5	36
6	Simultaneous inhibition of key growth pathways in melanoma cells and tumor regression by a designed bidentate constrained helical peptide. Biopolymers, 2014, 102, 344-358.	1.2	10
7	E2-mediated Small Ubiquitin-like Modifier (SUMO) Modification of Thymine DNA Glycosylase Is Efficient but Not Selective for the Enzyme-Product Complex. Journal of Biological Chemistry, 2014, 289, 15810-15819.	1.6	17
8	Mechanisms for enzymatic cleavage of the N-glycosidic bond in DNA. Organic and Biomolecular Chemistry, 2014, 12, 8367-8378.	1.5	63
9	Divergent Mechanisms for Enzymatic Excision of 5-Formylcytosine and 5-Carboxylcytosine from DNA. Journal of the American Chemical Society, 2013, 135, 15813-15822.	6.6	69
10	Mechanism of Active DNA Demethylation: Recent Progress in Epigenetics. Journal of Biomolecular Research & Therapeutics, 2013, 01, .	0.2	2
11	TDG excision of fC may be a predominant element of pathways for active DNA demethylation. FASEB Journal, 2013, 27, 758.6.	0.2	1
12	How a mismatch repair enzyme balances the needs for efficient lesion processing and minimal action on undamaged DNA. Cell Cycle, 2012, 11, 3345-3346.	1.3	2
13	Lesion processing by a repair enzyme is severely curtailed by residues needed to prevent aberrant activity on undamaged DNA. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8091-8096.	3.3	48
14	Crystal Structure of Human Methyl-Binding Domain IV Glycosylase Bound to Abasic DNA. Journal of Molecular Biology, 2012, 420, 164-175.	2.0	34
15	A Synthetic Peptide Mimic of Î»-Cro shows Sequence-Specific Binding in Vitro and in Vivo. ACS Chemical Biology, 2012, 7, 1084-1094.	1.6	12
16	Structural basis for excision of deaminated and oxidized 5â€methylcytosine by thymine DNA glycosylase. FASEB Journal, 2012, 26, 539.10.	0.2	0
17	Thymine DNA Glycosylase Can Rapidly Excise 5-Formylcytosine and 5-Carboxylcytosine. Journal of Biological Chemistry, 2011, 286, 35334-35338.	1.6	704
18	Dependence of substrate binding and catalysis on pH, ionic strength, and temperature for thymine DNA glycosylase: Insights into recognition and processing of GÂ·T mispairs. DNA Repair, 2011, 10, 545-553.	1.3	34

#	Article	IF	Citations
19	Stoichiometry and affinity for thymine DNA glycosylase binding to specific and nonspecific DNA. Nucleic Acids Research, 2011, 39, 2319-2329.	6.5	43
20	Role of a strictly conserved residue in Nâ€glycosylic bond cleavage by human Thymine DNA Glycosylase. FASEB Journal, 2010, 24, 876.8.	0.2	0
21	Role of Two Strictly Conserved Residues in Nucleotide Flipping and N-Glycosylic Bond Cleavage by Human Thymine DNA Glycosylase. Journal of Biological Chemistry, 2009, 284, 36680-36688.	1.6	52
22	Mutational analysis of a putative base flipping residue R275 in human thymine DNA glycosylase. FASEB Journal, 2009, 23, 836.14.	0.2	0
23	Crystal structure of human thymine DNA glycosylase bound to DNA elucidates sequence-specific mismatch recognition. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8890-8895.	3.3	103
24	Crystal structure of human thymine DNA glycosylase bound to DNA elucidates sequenceâ€specific mismatch recognition. FASEB Journal, 2008, 22, 989.2.	0.2	0
25	Switching DNA-binding specificity by unnatural amino acid substitution. Nucleic Acids Research, 2005, 33, 5896-5903.	6.5	4