

# Shantanu Chowdhury

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

2,534  
citations

236925

25  
h-index

214800

47  
g-index

52  
all docs

52  
docs citations

52  
times ranked

3105  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging mechanisms of telomerase reactivation in cancer. <i>Trends in Cancer</i> , 2022, 8, 632-641.	7.4	22
2	Non-duplex G-Quadruplex DNA Structure: A Developing Story from Predicted Sequences to DNA Structure-Dependent Epigenetics and Beyond. <i>Accounts of Chemical Research</i> , 2021, 54, 46-56.	15.6	31
3	Emerging Molecular Connections between NM23 Proteins, Telomeres and Telomere-Associated Factors: Implications in Cancer Metastasis and Ageing. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3457.	4.1	2
4	Human telomerase is directly regulated by non-telomeric TRF2-G-quadruplex interaction. <i>Cell Reports</i> , 2021, 35, 109154.	6.4	16
5	Telomere length dependent regulation of IL1R1 (Interleukin 1 Receptor type I) by TRF2 (Telomere repeat) Tj ETQq1 1 0.784314 rgBT / Qv Journal, 2021, 35, .	0.5	0
6	Extra-telomeric impact of telomeres: Emerging molecular connections in pluripotency or stemness. <i>Journal of Biological Chemistry</i> , 2020, 295, 10245-10254.	3.4	9
7	Telomere repeatâ€“binding factor 2 binds extensively to extra-telomeric G-quadruplexes and regulates the epigenetic status of several gene promoters. <i>Journal of Biological Chemistry</i> , 2019, 294, 17709-17722.	3.4	31
8	Promise of G-Quadruplex Structure Binding Ligands as Epigenetic Modifiers with Anti-Cancer Effects. <i>Molecules</i> , 2019, 24, 582.	3.8	28
9	Non-duplex G-Quadruplex Structures Emerge as Mediators of Epigenetic Modifications. <i>Trends in Genetics</i> , 2019, 35, 129-144.	6.7	77
10	NM23/NDPK proteins in transcription regulatory functions and chromatin modulation: emerging trends. <i>Laboratory Investigation</i> , 2018, 98, 175-181.	3.7	13
11	Insights about genome function from spatial organization of the genome. <i>Human Genomics</i> , 2018, 12, 8.	2.9	23
12	Extratelomeric Binding of the Telomere Binding Protein TRF2 at the PCGF3 Promoter Is G-Quadruplex Motif-Dependent. <i>Biochemistry</i> , 2018, 57, 2317-2324.	2.5	16
13	Telomere length-dependent transcription and epigenetic modifications in promoters remote from telomere ends. <i>PLoS Genetics</i> , 2018, 14, e1007782.	3.5	46
14	BLM Potentiates c-Jun Degradation and Alters Its Function as an Oncogenic Transcription Factor. <i>Cell Reports</i> , 2018, 24, 947-961.e7.	6.4	19
15	Transcription regulation of CDKN1A (p21/CIP1/WAF1) by TRF2 is epigenetically controlled through the REST repressor complex. <i>Scientific Reports</i> , 2017, 7, 11541.	3.3	44
16	Epigenetic suppression of human telomerase (hTERT) is mediated by the metastasis suppressor NME2 in a G-quadruplexâ€“dependent fashion. <i>Journal of Biological Chemistry</i> , 2017, 292, 15205-15215.	3.4	53
17	QuadBase2: web server for multiplexed guanine quadruplex mining and visualization. <i>Nucleic Acids Research</i> , 2016, 44, W277-W283.	14.5	83
18	BreCAN-DB: a repository cum browser of personalized DNA breakpoint profiles of cancer genomes. <i>Nucleic Acids Research</i> , 2016, 44, D952-D958.	14.5	2

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19	Inhibition of telomerase activity by NME2: impact on metastasis suppression?. Naunyn-Schmiedeberg's Archives of Pharmacology, 2015, 388, 235-241.	3.0	7
20	Sequence and expression variations in 23 genes involved in mitochondrial and non-mitochondrial apoptotic pathways and risk of oral leukoplakia and cancer. Mitochondrion, 2015, 25, 28-33.	3.4	9
21	Engineered reversal of drug resistance in cancer cells--metastases suppressor factors as change agents. Nucleic Acids Research, 2014, 42, 764-773.	14.5	199
22	Non-metastatic 2 (NME2)-mediated suppression of lung cancer metastasis involves transcriptional regulation of key cell adhesion factor vinculin. Nucleic Acids Research, 2014, 42, 11589-11600.	14.5	47
23	Promoter-proximal transcription factor binding is transcriptionally active when coupled with nucleosome repositioning in immediate vicinity. Nucleic Acids Research, 2014, 42, 9602-9611.	14.5	13
24	Inhibition of Endoglin-GIPC Interaction Inhibits Pancreatic Cancer Cell Growth. Molecular Cancer Therapeutics, 2014, 13, 2264-2275.	4.1	20
25	Emerging trends in G-quadruplex biology - role in epigenetic and evolutionary events. Molecular BioSystems, 2013, 9, 1568.	2.9	20
26	Lung cancer biomarkers: State of the art. Journal of Carcinogenesis, 2013, 12, 3.	2.5	71
27	Genome-wide study predicts promoter-G4 DNA motifs regulate selective functions in bacteria: radioresistance of D. radiodurans involves G4 DNA-mediated regulation. Nucleic Acids Research, 2013, 41, 76-89.	14.5	98
28	Quadruplex-single nucleotide polymorphisms (Quad-SNP) influence gene expression difference among individuals. Nucleic Acids Research, 2012, 40, 3800-3811.	14.5	53
29	Metastases suppressor NME2 associates with telomere ends and telomerase and reduces telomerase activity within cells. Nucleic Acids Research, 2012, 40, 2554-2565.	14.5	29
30	Mechanisms of non-metastatic 2 (NME2)-mediated control of metastasis across tumor types. Naunyn-Schmiedeberg's Archives of Pharmacology, 2011, 384, 397-406.	3.0	31
31	Zinc-finger transcription factors are associated with guanine quadruplex motifs in human, chimpanzee, mouse and rat promoters genome-wide. Nucleic Acids Research, 2011, 39, 8005-8016.	14.5	59
32	A novel G-quadruplex motif modulates promoter activity of human thymidine kinase 1. FEBS Journal, 2010, 277, 4254-4264.	4.7	22
33	Guanine quadruplex DNA structure restricts methylation of CpG dinucleotides genome-wide. Molecular BioSystems, 2010, 6, 2439.	2.9	69
34	Evidence of genome-wide G4 DNA-mediated gene expression in human cancer cells. Nucleic Acids Research, 2009, 37, 4194-4204.	14.5	125
35	Genome-Wide Analyses of Recombination Prone Regions Predict Role of DNA Structural Motif in Recombination. PLoS ONE, 2009, 4, e4399.	2.5	70
36	Metastases suppressor NM23-H2 interaction with G-quadruplex DNA within c-MYC promoter nuclease hypersensitive element induces c-MYC expression. Nucleic Acids Research, 2009, 37, 172-183.	14.5	152

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37	Genome-wide analysis predicts DNA structural motifs as nucleosome exclusion signals. <i>Molecular BioSystems</i> , 2009, 5, 1703.	2.9	52
38	Genome-Wide Computational and Expression Analyses Reveal G-Quadruplex DNA Motifs as Conserved <i>cis</i> -Regulatory Elements in Human and Related Species. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 5641-5649.	6.4	188
39	QuadBase: genome-wide database of G4 DNA occurrence and conservation in human, chimpanzee, mouse and rat promoters and 146 microbes. <i>Nucleic Acids Research</i> , 2007, 36, D381-D385.	14.5	125
40	Quadruplex-Coupled Kinetics Distinguishes Ligand Binding between G4 DNA Motifs. <i>Biochemistry</i> , 2007, 46, 14762-14770.	2.5	18
41	Genome-wide prediction of G4 DNA as regulatory motifs: Role in <i>Escherichia coli</i> global regulation. <i>Genome Research</i> , 2006, 16, 644-655.	5.5	287
42	Application of multivariate curve resolution for the study of folding processes of DNA monitored by fluorescence resonance energy transfer. <i>Analytica Chimica Acta</i> , 2005, 536, 135-143.	5.4	8
43	Nucleoside diphosphate kinase from <i>Mycobacterium tuberculosis</i> cleaves single strand DNA within the human <i>c-myc</i> promoter in an enzyme-catalyzed reaction. <i>Nucleic Acids Research</i> , 2005, 33, 2707-2714.	14.5	28
44	Kinetic resolution of bimolecular hybridization versus intramolecular folding in nucleic acids by surface plasmon resonance: application to G-quadruplex/duplex competition in human <i>c-myc</i> promoter. <i>Nucleic Acids Research</i> , 2005, 33, 4466-4474.	14.5	32
45	Quadruplex-duplex competition in the nuclease hypersensitive element of human <i>c-myc</i> promoter: C to T mutation in C-rich strand enhances duplex association. <i>Biochemical and Biophysical Research Communications</i> , 2005, 327, 49-56.	2.1	23
46	Nuclear Localization and in Situ DNA Damage by <i>Mycobacterium tuberculosis</i> Nucleoside-diphosphate Kinase. <i>Journal of Biological Chemistry</i> , 2004, 279, 50142-50149.	3.4	27
47	Thermodynamics of <i>i</i> -tetraplex formation in the nuclease hypersensitive element of human <i>c-myc</i> promoter. <i>Biochemical and Biophysical Research Communications</i> , 2004, 320, 1220-1227.	2.1	59
48	Hoechst 33258 binds to G-quadruplex in the promoter region of human <i>c-myc</i> . <i>Biochemical and Biophysical Research Communications</i> , 2003, 310, 505-512.	2.1	71