

Samir K Brahmachari

List of Publications by Year in descending order

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46
papers

2,576
citations

257101

24
h-index

264894

42
g-index

48
all docs

48
docs citations

48
times ranked

3144
citing authors

#	ARTICLE	IF	CITATIONS
1	Hairpin and parallel quartet structures for telomeric sequences. <i>Nucleic Acids Research</i> , 1992, 20, 4061-4067.	6.5	396
2	Human cellular microRNA hsa-miR-29a interferes with viral nef protein expression and HIV-1 replication. <i>Retrovirology</i> , 2008, 5, 117.	0.9	251
3	Host-virus interaction: a new role for microRNAs. <i>Retrovirology</i> , 2006, 3, 68.	0.9	209
4	Targets for human encoded microRNAs in HIV genes. <i>Biochemical and Biophysical Research Communications</i> , 2005, 337, 1214-1218.	1.0	203
5	Posttranscriptional regulation of interleukin-10 expression by hsa-miR-106a. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 5761-5766.	3.3	185
6	Molecular and clinical correlation in five Indian families with spinocerebellar ataxia 12. <i>Annals of Neurology</i> , 2001, 50, 796-800.	2.8	166
7	Alu repeat analysis in the complete human genome: trends and variations with respect to genomic composition. <i>Bioinformatics</i> , 2004, 20, 813-817.	1.8	123
8	CAG repeat instability at SCA2 locus: anchoring CAA interruptions and linked single nucleotide polymorphisms. <i>Human Molecular Genetics</i> , 2001, 10, 2437-2446.	1.4	121
9	Boolean network analysis of a neurotransmitter signaling pathway. <i>Journal of Theoretical Biology</i> , 2007, 244, 463-469.	0.8	94
10	Nonrandom Distribution of Alu Elements in Genes of Various Functional Categories: Insight from Analysis of Human Chromosomes 21 and 22. <i>Molecular Biology and Evolution</i> , 2003, 20, 1420-1424.	3.5	81
11	Simple repetitive sequences in the genome: Structure and functional significance. <i>Electrophoresis</i> , 1995, 16, 1705-1714.	1.3	63
12	Distribution of Simple Repetitive (TG/CA) _n and (CT/AG) _n Sequences in Human and Rodent Genomes. <i>Journal of Biomolecular Structure and Dynamics</i> , 1991, 9, 387-397.	2.0	61
13	Host-virus genome interactions: macro roles for microRNAs. <i>Cellular Microbiology</i> , 2007, 9, 2784-2794.	1.1	60
14	Comparative analysis of chromatin landscape in regulatory regions of human housekeeping and tissue specific genes. <i>BMC Bioinformatics</i> , 2005, 6, 126.	1.2	50
15	Proline-containing β -turns in peptides and proteins. II. Physicochemical studies on tripeptides with the Pro-Gly sequence. <i>Biopolymers</i> , 1982, 21, 1107-1125.	1.2	47
16	Evolution and distribution of RNA polymerase II regulatory sites from RNA polymerase III dependant mobile Alu elements. <i>BMC Evolutionary Biology</i> , 2004, 4, 37.	3.2	46
17	MLC1 Gene Is Associated with Schizophrenia and Bipolar Disorder in Southern India. <i>Biological Psychiatry</i> , 2005, 58, 16-22.	0.7	44
18	Pharmacogenomics: a path to predictive medicine for schizophrenia. <i>Pharmacogenomics</i> , 2006, 7, 31-47.	0.6	32

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19	Hairpin-duplex equilibrium reflected in the A->B transition in an undecamer quasi-palindrome present in the locus control region of the human \hat{A} -globin gene cluster. <i>Nucleic Acids Research</i> , 2003, 31, 6904-6915.	6.5	31
20	A novel structural transition in poly(dG-Me5 dC):Zâ†,Bâ†,,Z. <i>FEBS Letters</i> , 1985, 182, 315-318.	1.3	27
21	Association analysis of CAG repeats at the KCNN3 locus in Indian patients with bipolar disorder and schizophrenia. <i>American Journal of Medical Genetics Part A</i> , 2000, 96, 744-748.	2.4	26
22	Intramolecular i-motif Structure at Acidic pH for Progressive Myoclonus Epilepsy (EPM1) Repeat d(CCCCGCCCCGCG) _n . <i>Journal of Biomolecular Structure and Dynamics</i> , 2001, 19, 307-313.	2.0	26
23	ALU-ring elements in the primate genomes. <i>Genetica</i> , 2005, 124, 273-289.	0.5	26
24	Polypeptide models of collagen. Solution properties of (Gly-Pro-Sar) _n and (Gly-Sar-Pro) _n . <i>Biopolymers</i> , 1976, 15, 707-716.	1.2	25
25	Anti-HIV microRNA expression in a novel Indian cohort. <i>Scientific Reports</i> , 2016, 6, 28279.	1.6	23
26	A nonsense mutation in the synaptogyrin 1 gene in a family with schizophrenia. <i>Biological Psychiatry</i> , 2004, 55, 196-199.	0.7	22
27	Polypeptide models of collagen. II. Solution properties of (Pro-Gly-Phe) _n . <i>Biopolymers</i> , 1978, 17, 2097-2105.	1.2	17
28	Critical cation balance in B â†' Z transition: role of Li+. <i>FEBS Letters</i> , 1983, 164, 33-37.	1.3	16
29	microRNA: an Emerging Therapeutic. <i>ChemMedChem</i> , 2007, 2, 789-792.	1.6	16
30	Progressive Myoclonus Epilepsy [EPM1] repeat d(CCCCGCCCCGCG) _n forms folded hairpin structures at physiological pH. <i>Journal of Biomolecular Structure and Dynamics</i> , 2001, 19, 293-305.	2.0	12
31	Zintrons in rat Î±-lactalbumin gene. <i>FEBS Letters</i> , 1989, 251, 245-249.	1.3	11
32	Positional Preferences of Polypurine/Polypyrimidine Tracts in <i>Saccharomyces cerevisiae</i> Genome: Implications for cis Regulation of Gene Expression. <i>Journal of Molecular Evolution</i> , 1997, 45, 485-498.	0.8	11
33	Genome analysis: A new approach for visualization of sequence organization in genomes. <i>Journal of Biosciences</i> , 1992, 17, 395-411.	0.5	10
34	Variation at the MJD locus in the major psychoses. , 1998, 81, 440-442.		10
35	Interruptions of (CG) _n sequences by GG, TG and CA need not prevent B to Z transition in solution. <i>Nucleic Acids Research</i> , 1988, 16, 4651-4665.	6.5	9
36	Structural Alteration from Non-B to B-Form Could Reflect DNase I Hypersensitivity. <i>Journal of Biomolecular Structure and Dynamics</i> , 1989, 6, 899-906.	2.0	9

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37	Meta-analysis of genomic variants and gene expression data in schizophrenia suggests the potential need for adjunctive therapeutic interventions for neuropsychiatric disorders. Journal of Genetics, 2019, 98, 1.	0.4	5
38	Paradigm for disease deconvolution in rare neurodegenerative disorders in Indian population: insights from studies in cerebellar ataxias. Journal of Genetics, 2018, 97, 589-609.	0.4	4
39	Meta-analysis of genomic variants and gene expression data in schizophrenia suggests the potential need for adjunctive therapeutic interventions for neuropsychiatric disorders. Journal of Genetics, 2019, 98, .	0.4	2
40	X-Ray diffraction studies on Mycobacterium smegmatis DNA. Biopolymers, 1983, 22, 1633-1635.	1.2	1
41	Sequence dependence and role of 5'-phosphate in the B to Z transition. FEBS Letters, 1986, 198, 240-244.	1.3	1
42	Preparation of megabase DNA from adult insects and mammalian spleen for pulsed-field gel electrophoresis. Journal of Genetics, 1989, 68, 185-188.	0.4	1
43	Polypurine-Polypyrimidine Sequences Adopt Unwound Structure in pBR322 form V DNA as Probed by Single-Hit Analysis of HpaII Sites. Journal of Biomolecular Structure and Dynamics, 1993, 10, 879-890.	2.0	1
44	Spinocerebellar Ataxia 12 (SCA12). , 2003, , 121-132.		1
45	Human miRNAs: an antiviral defense mechanism. Retrovirology, 2009, 6, .	0.9	0
46	Paradigm for disease deconvolution in rare neurodegenerative disorders in Indian population: insights from studies in cerebellar ataxias. Journal of Genetics, 2018, 97, 589-609.	0.4	0