

Nilanjan Roy

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58

papers

1,516

citations

21

h-index

37

g-index

64

ext. papers

1,674

ext. citations

4.5

avg, IF

4.44

L-index

#	Paper	IF	Citations
58	Curcumin inhibits FtsZ assembly: an attractive mechanism for its antibacterial activity. <i>Biochemical Journal</i> , 2008 , 410, 147-55	3.8	324
57	Probing the binding site of curcumin in Escherichia coli and Bacillus subtilis FtsZ--a structural insight to unveil antibacterial activity of curcumin. <i>European Journal of Medicinal Chemistry</i> , 2010 , 45, 4209-14	6.8	117
56	Two paralogs involved in transcriptional silencing that antagonistically control yeast life span. <i>Current Biology</i> , 2000 , 10, 111-4	6.3	73
55	Dissecting the expression dynamics of RNA-binding proteins in posttranscriptional regulatory networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 20300-5	11.5	72
54	Caloric restriction augments ROS defense in <i>S. cerevisiae</i> , by a Sir2p independent mechanism. <i>Free Radical Research</i> , 2005 , 39, 55-62	4	64
53	Current perspectives on potential role of albumin in neuroprotection. <i>Reviews in the Neurosciences</i> , 2011 , 22, 355-63	4.7	56
52	Nicotinamide inhibits Plasmodium falciparum Sir2 activity in vitro and parasite growth. <i>FEMS Microbiology Letters</i> , 2008 , 282, 266-72	2.9	47
51	Bisnaphthalimidopropyl derivatives as inhibitors of Leishmania SIR2 related protein 1. <i>ChemMedChem</i> , 2010 , 5, 140-7	3.7	46
50	Sir3p phosphorylation by the Slr2p pathway effects redistribution of silencing function and shortened lifespan. <i>Nature Genetics</i> , 2003 , 33, 522-6	36.3	44
49	MCM21 and MCM22, two novel genes of the yeast <i>Saccharomyces cerevisiae</i> are required for chromosome transmission. <i>Molecular Microbiology</i> , 1999 , 31, 349-60	4.1	43
48	Mitochondria-mediated hormetic response in life span extension of calorie-restricted <i>Saccharomyces cerevisiae</i> . <i>Age</i> , 2011 , 33, 143-54		38
47	Mrg19 depletion increases <i>S. cerevisiae</i> lifespan by augmenting ROS defence. <i>FEBS Letters</i> , 2005 , 579, 6809-13	3.8	35
46	Docking-based 3D-QSAR study of HIV-1 integrase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2009 , 44, 4276-87	6.8	34
45	Quantitative structure activity relationship studies of aryl heterocycle-based thrombin inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2006 , 41, 1339-46	6.8	30
44	The ZDS1 and ZDS2 proteins require the Sir3p component of yeast silent chromatin to enhance the stability of short linear centromeric plasmids. <i>Chromosoma</i> , 1999 , 108, 146-61	2.8	26
43	Meta-analysis of glutathione S-transferase M1 genotype and risk toward head and neck cancer. <i>Head and Neck</i> , 2006 , 28, 217-24	4.2	25
42	Comparative docking and CoMFA analysis of curcumin derivatives as HIV-1 integrase inhibitors. <i>Molecular Diversity</i> , 2011 , 15, 733-50	3.1	24

41	Cluster analysis and two-dimensional quantitative structure-activity relationship (2D-QSAR) of <i>Pseudomonas aeruginosa</i> deacetylase LpxC inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 5136-43	2.9	24
40	CaZF, a plant transcription factor functions through and parallel to HOG and calcineurin pathways in <i>Saccharomyces cerevisiae</i> to provide osmotolerance. <i>PLoS ONE</i> , 2009 , 4, e5154	3.7	24
39	Upregulation of albumin expression in focal ischemic rat brain. <i>Brain Research</i> , 2010 , 1327, 118-24	3.7	23
38	Antibacterial sideroxylonals and loxophlebal A from <i>Eucalyptus loxophleba</i> foliage. <i>Phytotherapy</i> 2010 , 81, 878-83	3.2	23
37	Identification of novel HIV-1 integrase inhibitors using shape-based screening, QSAR, and docking approach. <i>Chemical Biology and Drug Design</i> , 2012 , 79, 835-49	2.9	20
36	Synthesis, antimicrobial activity and structure-activity relationship study of N,N-dibenzyl-cyclohexane-1,2-diamine derivatives. <i>European Journal of Medicinal Chemistry</i> , 2011 , 46, 480-7	6.8	17
35	Structure function analysis of <i>Leishmania sirtuin</i> : an ensemble of in silico and biochemical studies. <i>Chemical Biology and Drug Design</i> , 2008 , 71, 501-506	2.9	17
34	Ribose 5-phosphate isomerase B knockdown compromises <i>Trypanosoma brucei</i> bloodstream form infectivity. <i>PLoS Neglected Tropical Diseases</i> , 2015 , 9, e3430	4.8	15
33	Anti-leishmanial activity of the bisnaphthalimidopropyl derivatives. <i>Parasitology International</i> , 2012 , 61, 360-3	2.1	15
32	Functional dissection of the catalytic carboxyl-terminal domain of origin recognition complex subunit 1 (PFORC1) of the human malaria parasite <i>Plasmodium falciparum</i> . <i>Eukaryotic Cell</i> , 2009 , 8, 1341-51		15
31	A novel range based QSAR study of human neuropeptide Y (NPY) Y5 receptor inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2007 , 42, 463-70	6.8	15
30	Comparative protein modeling and surface analysis of <i>Leishmania sirtuin</i> : A potential target for antileishmanial drug discovery. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 6013-8	2.9	14
29	Structural analysis of trypanosomal sirtuin: an insight for selective drug design. <i>Molecular Diversity</i> , 2010 , 14, 169-78	3.1	13
28	Knockdown of asparagine synthetase A renders <i>Trypanosoma brucei</i> auxotrophic to asparagine. <i>PLoS Neglected Tropical Diseases</i> , 2013 , 7, e2578	4.8	12
27	The efficiency of mitochondrial electron transport chain is increased in the long-lived mrg19 <i>Saccharomyces cerevisiae</i> . <i>Aging Cell</i> , 2009 , 8, 643-53	9.9	12
26	Pharmacophoric features of <i>Pseudomonas aeruginosa</i> deacetylase LpxC inhibitors: an electronic and structural analysis. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 861-8	2.9	12
25	SubCellProt: Predicting Protein Subcellular Localization Using Machine Learning Approaches. <i>In Silico Biology</i> , 2009 , 9, 35-44	2	11
24	Evaluation of proinflammatory cytokine pathway inhibitors for p38 MAPK inhibitory potential. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 6337-42	8.3	11

23	QSAR Study of Curcumine Derivatives as HIV-1 Integrase Inhibitors. <i>Current Computer-Aided Drug Design</i> , 2013 , 9, 141-150	1.4	11
22	Costly Information Acquisition, Social Networks, and Asset Prices: Experimental Evidence. <i>Journal of Finance</i> , 2019 , 74, 1975-2010	6.4	11
21	Synthesis and antibacterial activity of benzyl-[3-(benzylamino-methyl)-cyclohexylmethyl]-amine derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 893-5	2.9	9
20	Evaluation of Pseudomonas aeruginosa deacetylase LpxC inhibitory activity of dual PDE4-TNFalpha inhibitors: a multiscreening approach. <i>Journal of Chemical Information and Modeling</i> , 2007 , 47, 1188-95	6.1	9
19	In silico screening for identification of novel HIV-1 integrase inhibitors using QSAR and docking methodologies. <i>Medicinal Chemistry Research</i> , 2013 , 22, 5014-5028	2.2	8
18	Calorie restriction up-regulates iron and copper transport genes in Saccharomyces cerevisiae. <i>Molecular BioSystems</i> , 2011 , 7, 394-402		8
17	Cytotoxicity and cell death mechanisms induced by a novel bisnaphthalimidopropyl derivative against the NCI-H460 non-small lung cancer cell line. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2013 , 13, 414-21	2.2	8
16	Marshall and Walras, disequilibrium trades and the dynamics of equilibration in the continuous double auction market. <i>Journal of Economic Behavior and Organization</i> , 2013 , 94, 190-205	1.6	7
15	Escherichia coli versus Pseudomonas aeruginosa deacetylase LpxC inhibitors selectivity: surface and cavity-depth-based analysis. <i>Journal of Chemical Information and Modeling</i> , 2007 , 47, 1215-24	6.1	7
14	In Silico Modeling for BloodBrain Barrier Permeability Predictions 2008 , 510-556		7
13	Structure based design of novel inhibitors for histidinol dehydrogenase from Geotrichum candidum. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 3972-6	2.9	6
12	A 61-kb ring chromosome shows an ARS-dependent increase in its mitotic stability in the mcm2 mutant of yeast. <i>Current Genetics</i> , 1994 , 26, 403-9	2.9	6
11	Screening of potential targets in Plasmodium falciparum using stage-specific metabolic network analysis. <i>Molecular Diversity</i> , 2015 , 19, 991-1002	3.1	5
10	A method for construction, cloning and expression of intron-less gene from unannotated genomic DNA. <i>Molecular Biotechnology</i> , 2008 , 40, 217-23	3	3
9	Contaminating insert degradation by preincubation colony PCR: a method for avoiding false positives in transformant screening. <i>Analytical Biochemistry</i> , 2008 , 375, 159-61	3.1	3
8	Path of intertemporal cooperation and limits to turn-taking behavior. <i>Journal of Economic Behavior and Organization</i> , 2019 , 165, 21-36	1.6	2
7	Hepatocyte nuclear factor-1alpha mediated upregulation of albumin expression in focal ischemic rat brain. <i>Neurological Research</i> , 2012 , 34, 25-31	2.7	2
6	Selective mapping of chemical space for Pseudomonas aeruginosa deacetylase LpxC inhibitory potential. <i>Chemical Biology and Drug Design</i> , 2008 , 71, 45-56	2.9	2

5	Selectivity-based QSAR approach for screening and evaluation of TRH analogs for TRH-R1 and TRH-R2 receptors subtypes. <i>Journal of Molecular Graphics and Modelling</i> , 2008 , 27, 309-20	2.8	2
4	Target-specific anti-fungal discovery by targeting <i>Geotrichum candidum</i> histidinol dehydrogenase: a hybrid approach. <i>Chemical Biology and Drug Design</i> , 2008 , 72, 229-34	2.9	2
3	QSAR Study of Curcumine Derivatives as HIV-1 Integrase Inhibitors. <i>Current Computer-Aided Drug Design</i> , 2013 , 9, 141-150	1.4	1
2	Cytotoxicity and Cell Death Mechanisms Induced by a Novel Bisnaphthalimidopropyl Derivative against the NCI-H460 non-small Lung Cancer Cell Line. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2013 , 13, 414-421	2.2	1
1	Comparative analysis of gene expression and regulation of replicative aging associated genes in <i>S. cerevisiae</i> . <i>Molecular BioSystems</i> , 2011 , 7, 403-10		1