

# Debasis Patnaik

## 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.

43  
papers

2,084  
citations

21  
h-index

44  
g-index

44  
ext. papers

2,377  
ext. citations

7.3  
avg, IF

4.2  
L-index

#	Paper	IF	Citations
43	Dual histone H3 methylation marks at lysines 9 and 27 required for interaction with CHROMOMETHYLASE3. <i>EMBO Journal</i> , <b>2004</b> , 23, 4286-96	13	321
42	GTP/GDP exchange by Sec12p enables COPII vesicle bud formation on synthetic liposomes. <i>EMBO Journal</i> , <b>2004</b> , 23, 4146-55	13	278
41	Phosphorylation of histone H3 at threonine 11 establishes a novel chromatin mark for transcriptional regulation. <i>Nature Cell Biology</i> , <b>2008</b> , 10, 53-60	23.4	172
40	A positive feedback loop involving Haspin and Aurora B promotes CPC accumulation at centromeres in mitosis. <i>Current Biology</i> , <b>2011</b> , 21, 1061-9	6.3	119
39	Targeted degradation of aberrant tau in frontotemporal dementia patient-derived neuronal cell models. <i>ELife</i> , <b>2019</b> , 8,	8.9	119
38	Structure and functional characterization of the atypical human kinase haspin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 20198-203	11.5	115
37	Substrate specificity and kinetic mechanism of mammalian G9a histone H3 methyltransferase. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 53248-58	5.4	114
36	Brain-penetrant LSD1 inhibitors can block memory consolidation. <i>ACS Chemical Neuroscience</i> , <b>2012</b> , 3, 120-128	5.7	89
35	Automethylation of G9a and its implication in wider substrate specificity and HP1 binding. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 7313-23	20.1	88
34	Haspin inhibitors reveal centromeric functions of Aurora B in chromosome segregation. <i>Journal of Cell Biology</i> , <b>2012</b> , 199, 251-68	7.3	76
33	Catalytic properties and kinetic mechanism of human recombinant Lys-9 histone H3 methyltransferase SUV39H1: participation of the chromodomain in enzymatic catalysis. <i>Biochemistry</i> , <b>2006</b> , 45, 3272-84	3.2	57
32	Structure-activity relationship study of beta-carboline derivatives as haspin kinase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 2015-9	2.9	48
31	Discovery of a Highly Selective Glycogen Synthase Kinase-3 Inhibitor (PF-04802367) That Modulates Tau Phosphorylation in the Brain: Translation for PET Neuroimaging. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 9601-5	16.4	47
30	Perturbation of mitosis through inhibition of histone acetyltransferases: the key to ochratoxin a toxicity and carcinogenicity?. <i>Toxicological Sciences</i> , <b>2011</b> , 122, 317-29	4.4	43
29	Towards Gram-positive antivirulence drugs: new inhibitors of <i>Streptococcus agalactiae</i> Stk1. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 3486-90	2.9	42
28	Functional analysis of the N- and C-terminus of mammalian G9a histone H3 methyltransferase. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, 3211-23	20.1	42
27	HDAC1 modulates OGG1-initiated oxidative DNA damage repair in the aging brain and Alzheimer's disease. <i>Nature Communications</i> , <b>2020</b> , 11, 2484	17.4	41

26	Inhibitors of Glycogen Synthase Kinase 3 with Exquisite Kinome-Wide Selectivity and Their Functional Effects. <i>ACS Chemical Biology</i> , <b>2016</b> , 11, 1952-63	4.9	37
25	Identification of small molecule inhibitors of the mitotic kinase haspin by high-throughput screening using a homogeneous time-resolved fluorescence resonance energy transfer assay. <i>Journal of Biomolecular Screening</i> , <b>2008</b> , 13, 1025-34		30
24	Sequence specificity and role of proximal amino acids of the histone H3 tail on catalysis of murine G9A lysine 9 histone H3 methyltransferase. <i>Biochemistry</i> , <b>2005</b> , 44, 12998-3006	3.2	29
23	Genetic transformation of Indian bread ( <i>T. aestivum</i> ) and pasta ( <i>T. durum</i> ) wheat by particle bombardment of mature embryo-derived calli. <i>BMC Plant Biology</i> , <b>2003</b> , 3, 5	5.3	23
22	Structural Basis for Achieving GSK-3 $\beta$ Inhibition with High Potency, Selectivity, and Brain Exposure for Positron Emission Tomography Imaging and Drug Discovery. <i>Journal of Medicinal Chemistry</i> , <b>2019</b> , 62, 9600-9617	8.3	19
21	Dissecting structure-activity-relationships of crebinostat: Brain penetrant HDAC inhibitors for neuroepigenetic regulation. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2016</b> , 26, 1265-1271	2.9	19
20	Structure-activity relationship study of acridine analogs as haspin and DYRK2 kinase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2010</b> , 20, 3491-4	2.9	19
19	Development of [ <sup>18</sup> F]Maleimide-Based Glycogen Synthase Kinase-3 $\beta$ Ligands for Positron Emission Tomography Imaging. <i>ACS Medicinal Chemistry Letters</i> , <b>2017</b> , 8, 287-292	4.3	17
18	Targeting the SET and RING-associated (SRA) domain of ubiquitin-like, PHD and ring finger-containing 1 (UHRF1) for anti-cancer drug development. <i>Oncotarget</i> , <b>2018</b> , 9, 26243-26258	3.3	15
17	Effect of water stress and heavy metals on induction of somatic embryogenesis in wheat leaf base cultures. <i>Indian Journal of Experimental Biology</i> , <b>2005</b> , 43, 740-5		14
16	Positron emission tomography probes targeting bromodomain and extra-terminal (BET) domains to enable in vivo neuroepigenetic imaging. <i>Chemical Communications</i> , <b>2019</b> , 55, 12932-12935	5.8	11
15	Wheat biotechnology: A minireview. <i>Electronic Journal of Biotechnology</i> , <b>2001</b> , 4,	3.1	7
14	Radiosynthesis and in vivo evaluation of a new positron emission tomography radiotracer targeting bromodomain and extra-terminal domain (BET) family proteins. <i>Nuclear Medicine and Biology</i> , <b>2020</b> , 84-85, 96-101	2.1	7
13	Identification of a Phosphoprotein Expressed During Somatic Embryogenesis in Wheat Leaf Base Cultures. <i>Journal of Plant Biochemistry and Biotechnology</i> , <b>2005</b> , 14, 149-154	1.6	6
12	Discovery of suppressors of CRMP2 phosphorylation reveals compounds that mimic the behavioral effects of lithium on amphetamine-induced hyperlocomotion. <i>Translational Psychiatry</i> , <b>2020</b> , 10, 76	8.6	4
11	Exifone Is a Potent HDAC1 Activator with Neuroprotective Activity in Human Neuronal Models of Neurodegeneration. <i>ACS Chemical Neuroscience</i> , <b>2021</b> , 12, 271-284	5.7	4
10	Dual histone H3 methylation marks at lysines 9 and 27 required for interaction with CHROMOMETHYLASE3. <i>EMBO Journal</i> , <b>2011</b> , 30, 1874-1874	13	2
9	Exifone is a Potent HDAC1 Activator with Neuroprotective Activity in Human Neuronal Models of Neurodegeneration		

8	Identification and Mechanistic Characterization of a Peptide Inhibitor of Glycogen Synthase Kinase (GSK3 $\beta$ ) Derived from the Disrupted in Schizophrenia 1 (DISC1) Protein. <i>ACS Chemical Neuroscience</i> , <b>2020</b> , 11, 4128-4138	5.7	2
7	Discovery of a Highly Selective Glycogen Synthase Kinase-3 Inhibitor (PF-04802367) That Modulates Tau Phosphorylation in the Brain: Translation for PET Neuroimaging. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 9753-9757	3.6	1
6	A cyclin-dependent kinase 5-derived peptide inhibits Cdk5/p25 activity and improves neurodegenerative phenotypes		1
5	Phosphorylation-dependent control of Arc protein by synaptic plasticity regulator TNIK		1
4	Phosphorylation-dependent control of Activity-regulated cytoskeleton-associated protein (Arc) protein by TNIK. <i>Journal of Neurochemistry</i> , <b>2021</b> , 158, 1058-1073	6	1
3	High-content image-based analysis and proteomic profiling identifies Tau phosphorylation inhibitors in a human iPSC-derived glutamatergic neuronal model of tauopathy. <i>Scientific Reports</i> , <b>2021</b> , 11, 17029	4.9	1
2	Design, Synthesis, and Evaluation of Thienodiazepine Derivatives as Positron Emission Tomography Imaging Probes for Bromodomain and Extra-Terminal Domain Family Proteins. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 14745-14756	8.3	1
1	Structure-based screening of chemical libraries to identify small molecules that are likely to bind with the SET and RING-associated (SRA) domain of Ubiquitin-like, PHD and Ring Finger-containing 1 (UHRF1). <i>BMC Research Notes</i> , <b>2020</b> , 13, 254	2.3	0