Debasis Patnaik

List of Publications by Year in Descending Order

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	Phosphorylation-dependent control of Activity-regulated cytoskeleton-associated protein (Arc) protein by TNIK. *Journal of Neurochemistry*, **2021**, 158, 1058-1073	6	1
42	Exifone Is a Potent HDAC1 Activator with Neuroprotective Activity in Human Neuronal Models of Neurodegeneration. *ACS Chemical Neuroscience*, **2021**, 12, 271-284	5.7	4
41	High-content image-based analysis and proteomic profiling identifies Tau phosphorylation inhibitors in a human iPSC-derived glutamatergic neuronal model of tauopathy. *Scientific Reports*, **2021**, 11, 17029	4.9	1
40	Design, Synthesis, and Evaluation of Thienodiazepine Derivatives as Positron Emission Tomography Imaging Probes for Bromodomain and Extra-Terminal Domain Family Proteins. *Journal of Medicinal Chemistry*, **2021**, 64, 14745-14756	8.3	1
39	HDAC1 modulates OGG1-initiated oxidative DNA damage repair in the aging brain and Alzheimer's disease. *Nature Communications*, **2020**, 11, 2484	17.4	41
38	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). *BMC Research Notes*, **2020**, 13, 254	2.3	0
37	Discovery of suppressors of CRMP2 phosphorylation reveals compounds that mimic the behavioral effects of lithium on amphetamine-induced hyperlocomotion. *Translational Psychiatry*, **2020**, 10, 76	8.6	4
36	Identification and Mechanistic Characterization of a Peptide Inhibitor of Glycogen Synthase Kinase (GSK3)Derived from the Disrupted in Schizophrenia 1 (DISC1) Protein. *ACS Chemical Neuroscience*, **2020**, 11, 4128-4138	5.7	2
35	Radiosynthesis and in vivo evaluation of a new positron emission tomography radiotracer targeting bromodomain and extra-terminal domain (BET) family proteins. *Nuclear Medicine and Biology*, **2020**, 84-85, 96-101	2.1	7
34	Structural Basis for Achieving GSK-3Inhibition with High Potency, Selectivity, and Brain Exposure for Positron Emission Tomography Imaging and Drug Discovery. *Journal of Medicinal Chemistry*, **2019**, 62, 9600-9617	8.3	19
33	Targeted degradation of aberrant tau in frontotemporal dementia patient-derived neuronal cell models. *ELife*, **2019**, 8,	8.9	119
32	Positron emission tomography probes targeting bromodomain and extra-terminal (BET) domains to enable in vivo neuroepigenetic imaging. *Chemical Communications*, **2019**, 55, 12932-12935	5.8	11
31	Targeting the SET and RING-associated (SRA) domain of ubiquitin-like, PHD and ring finger-containing 1 (UHRF1) for anti-cancer drug development. *Oncotarget*, **2018**, 9, 26243-26258	3.3	15
30	Development of [F]Maleimide-Based Glycogen Synthase Kinase-3Ligands for Positron Emission Tomography Imaging. *ACS Medicinal Chemistry Letters*, **2017**, 8, 287-292	4.3	17
29	Discovery of a Highly Selective Glycogen Synthase Kinase-3 Inhibitor (PF-04802367) That Modulates Tau Phosphorylation in the Brain: Translation for PET Neuroimaging. *Angewandte Chemie*, **2016**, 128, 9753-9757	3.6	1
28	Discovery of a Highly Selective Glycogen Synthase Kinase-3 Inhibitor (PF-04802367) That Modulates Tau Phosphorylation in the Brain: Translation for PET Neuroimaging. *Angewandte Chemie - International Edition*, **2016**, 55, 9601-5	16.4	47
27	Dissecting structure-activity-relationships of crebinostat: Brain penetrant HDAC inhibitors for neuroepigenetic regulation. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 1265-1271	2.9	19

26	Inhibitors of Glycogen Synthase Kinase 3 with Exquisite Kinome-Wide Selectivity and Their Functional Effects. *ACS Chemical Biology*, **2016**, 11, 1952-63	4.9	37
25	Structure-activity relationship study of beta-carboline derivatives as haspin kinase inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2012**, 22, 2015-9	2.9	48
24	Haspin inhibitors reveal centromeric functions of Aurora B in chromosome segregation. *Journal of Cell Biology*, **2012**, 199, 251-68	7.3	76
23	Brain-penetrant LSD1 inhibitors can block memory consolidation. *ACS Chemical Neuroscience*, **2012**, 3, 120-128	5.7	89
22	Dual histone H3 methylation marks at lysines 9 and 27 required for interaction with CHROMOMETHYLASE3. *EMBO Journal*, **2011**, 30, 1874-1874	13	2
21	A positive feedback loop involving Haspin and Aurora B promotes CPC accumulation at centromeres in mitosis. *Current Biology*, **2011**, 21, 1061-9	6.3	119
20	Perturbation of mitosis through inhibition of histone acetyltransferases: the key to ochratoxin a toxicity and carcinogenicity?. *Toxicological Sciences*, **2011**, 122, 317-29	4.4	43
19	Towards Gram-positive antivirulence drugs: new inhibitors of Streptococcus agalactiae Stk1. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 3486-90	2.9	42
18	Structure-activity relationship study of acridine analogs as haspin and DYRK2 kinase inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 3491-4	2.9	19
17	Structure and functional characterization of the atypical human kinase haspin. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 20198-203	11.5	115
16	Phosphorylation of histone H3 at threonine 11 establishes a novel chromatin mark for transcriptional regulation. *Nature Cell Biology*, **2008**, 10, 53-60	23.4	172
15	Identification of small molecule inhibitors of the mitotic kinase haspin by high-throughput screening using a homogeneous time-resolved fluorescence resonance energy transfer assay. *Journal of Biomolecular Screening*, **2008**, 13, 1025-34		30
14	Automethylation of G9a and its implication in wider substrate specificity and HP1 binding. *Nucleic Acids Research*, **2007**, 35, 7313-23	20.1	88
13	Catalytic properties and kinetic mechanism of human recombinant Lys-9 histone H3 methyltransferase SUV39H1: participation of the chromodomain in enzymatic catalysis. *Biochemistry*, **2006**, 45, 3272-84	3.2	57
12	Functional analysis of the N- and C-terminus of mammalian G9a histone H3 methyltransferase. *Nucleic Acids Research*, **2005**, 33, 3211-23	20.1	42
11	Sequence specificity and role of proximal amino acids of the histone H3 tail on catalysis of murine G9A lysine 9 histone H3 methyltransferase. *Biochemistry*, **2005**, 44, 12998-3006	3.2	29
10	Identification of a Phosphoprotein Expressed During Somatic Embryogenesis in Wheat Leaf Base Cultures. *Journal of Plant Biochemistry and Biotechnology*, **2005**, 14, 149-154	1.6	6
9	Effect of water stress and heavy metals on induction of somatic embryogenesis in wheat leaf base cultures. *Indian Journal of Experimental Biology*, **2005**, 43, 740-5		14

8	GTP/GDP exchange by Sec12p enables COPII vesicle bud formation on synthetic liposomes. *EMBO Journal*, **2004**, 23, 4146-55	13	278
7	Dual histone H3 methylation marks at lysines 9 and 27 required for interaction with CHROMOMETHYLASE3. *EMBO Journal*, **2004**, 23, 4286-96	13	321
6	Substrate specificity and kinetic mechanism of mammalian G9a histone H3 methyltransferase. *Journal of Biological Chemistry*, **2004**, 279, 53248-58	5.4	114
5	Genetic transformation of Indian bread (T. aestivum) and pasta (T. durum) wheat by particle bombardment of mature embryo-derived calli. *BMC Plant Biology*, **2003**, 3, 5	5.3	23
4	Wheat biotechnology: A minireview. *Electronic Journal of Biotechnology*, **2001**, 4,	3.1	7
3	Exifone is a Potent HDAC1 Activator with Neuroprotective Activity in Human Neuronal Models of Neurodegeneration		2
2	A cyclin-dependent kinase 5-derived peptide inhibits Cdk5/p25 activity and improves neurodegenerative phenotypes		1
1	Phosphorylation-dependent control of Arc protein by synaptic plasticity regulator TNIK		1