

Debananda Pati

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,864
citations

257450

24
h-index

265206

42
g-index

48
all docs

48
docs citations

48
times ranked

2663
citing authors

#	ARTICLE	IF	CITATIONS
1	A handcuff model for the cohesin complex. <i>Journal of Cell Biology</i> , 2008, 183, 1019-1031.	5.2	162
2	A Phase 1 Study of the Proteasome Inhibitor Bortezomib in Pediatric Patients with Refractory Leukemia: a Children's Oncology Group Study. <i>Clinical Cancer Research</i> , 2007, 13, 1516-1522.	7.0	142
3	Lysyl hydroxylase 2 induces a collagen cross-link switch in tumor stroma. <i>Journal of Clinical Investigation</i> , 2015, 125, 1147-1162.	8.2	134
4	Overexpression of Separase induces aneuploidy and mammary tumorigenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 13033-13038.	7.1	133
5	RAD51C deficiency in mice results in early prophase I arrest in males and sister chromatid separation at metaphase II in females. <i>Journal of Cell Biology</i> , 2007, 176, 581-592.	5.2	118
6	Cell Cycle Regulator Gene <i>CDC5L</i> , a Potential Target for p12-p21 Amplicon in Osteosarcoma. <i>Molecular Cancer Research</i> , 2008, 6, 937-946.	3.4	82
7	Human Cdc34 and Rad6B Ubiquitin-Conjugating Enzymes Target Repressors of Cyclic AMP-Induced Transcription for Proteolysis. <i>Molecular and Cellular Biology</i> , 1999, 19, 5001-5013.	2.3	77
8	Poly(ADP-ribose) polymerase inhibitor ABT-888 potentiates the cytotoxic activity of temozolomide in leukemia cells: influence of mismatch repair status and <i>O</i> ⁶ -methylguanine-DNA methyltransferase activity. <i>Molecular Cancer Therapeutics</i> , 2009, 8, 2232-2242.	4.1	77
9	Overexpression and Mislocalization of the Chromosomal Segregation Protein Separase in Multiple Human Cancers. <i>Clinical Cancer Research</i> , 2009, 15, 2703-2710.	7.0	73
10	MMTV-Espl1 transgenic mice develop aneuploid, estrogen receptor alpha (ER \pm)-positive mammary adenocarcinomas. <i>Oncogene</i> , 2014, 33, 5511-5522.	5.9	66
11	Linking Sister Chromatid Cohesion and Apoptosis: Role of Rad21. <i>Molecular and Cellular Biology</i> , 2002, 22, 8267-8277.	2.3	63
12	Cohesin subunit RAD21: From biology to disease. <i>Gene</i> , 2020, 758, 144966.	2.2	55
13	Interaction of Sororin Protein with Polo-like Kinase 1 Mediates Resolution of Chromosomal Arm Cohesion. <i>Journal of Biological Chemistry</i> , 2011, 286, 41826-41837.	3.4	45
14	Sororin is a master regulator of sister chromatid cohesion and separation. <i>Cell Cycle</i> , 2012, 11, 2073-2083.	2.6	45
15	Involvement of Protein Kinase C and Arachidonic Acid Pathways in the Gonadotropin-Releasing Hormone Regulation of Oocyte Meiosis and Follicular Steroidogenesis in the Goldfish Ovary1. <i>Biology of Reproduction</i> , 2002, 66, 813-822.	2.7	44
16	Characteristics of GnRH Binding in the Gonads and Effects of Lamprey GnRH-I and -III on Reproduction in the Adult Sea Lamprey. <i>General and Comparative Endocrinology</i> , 1997, 108, 327-339.	1.8	43
17	Hormone-Induced Chromosomal Instability in p53-Null Mammary Epithelium. <i>Cancer Research</i> , 2004, 64, 5608-5616.	0.9	40
18	Characterization of the Interaction between the Cohesin Subunits Rad21 and SA1/2. <i>PLoS ONE</i> , 2013, 8, e69458.	2.5	35

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19	Separase Loss of Function Cooperates with the Loss of p53 in the Initiation and Progression of T- and B-Cell Lymphoma, Leukemia and Aneuploidy in Mice. <i>PLoS ONE</i> , 2011, 6, e22167.	2.5	32
20	Identification and Characterization of Separase Inhibitors (Sepins) for Cancer Therapy. <i>Journal of Biomolecular Screening</i> , 2014, 19, 878-889.	2.6	31
21	Biology and insights into the role of cohesin protease separase in human malignancies. <i>Biological Reviews</i> , 2017, 92, 2070-2083.	10.4	31
22	Extrapituitary gonadotropin-releasing hormone (GnRH) binding sites in goldfish. <i>Fish Physiology and Biochemistry</i> , 1993, 11, 43-49.	2.3	30
23	Presence of Gonadotropin-Releasing Hormone (GnRH) Binding Sites and Compounds with GnRH-Like Activity in the Ovary of African Catfish, <i>Clarias Gariepinus</i> 1. <i>Biology of Reproduction</i> , 1994, 50, 643-652.	2.7	28
24	Handcuff for sisters: A new model for sister chromatid cohesion. <i>Cell Cycle</i> , 2009, 8, 399-402.	2.6	27
25	Road to the crossroads of life and death: Linking sister chromatid cohesion and separation to aneuploidy, apoptosis and cancer. <i>Critical Reviews in Oncology/Hematology</i> , 2009, 72, 181-193.	4.4	26
26	Overexpression and constitutive nuclear localization of cohesin protease Separase protein correlates with high incidence of relapse and reduced overall survival in glioblastoma multiforme. <i>Journal of Neuro-Oncology</i> , 2014, 119, 27-35.	2.9	24
27	Oncogenic activity of separase. <i>Cell Cycle</i> , 2008, 7, 3481-3482.	2.6	23
28	Calpain-1 Cleaves Rad21 To Promote Sister Chromatid Separation. <i>Molecular and Cellular Biology</i> , 2011, 31, 4335-4347.	2.3	23
29	Higher-order orchestration of hematopoiesis: Is cohesin a new player?. <i>Experimental Hematology</i> , 2012, 40, 967-973.	0.4	21
30	Characterization of gonadotropin-releasing hormone (GnRH) receptors in the ovary of common carp (<i>Cyprinus carpio</i>). <i>Canadian Journal of Physiology and Pharmacology</i> , 1992, 70, 268-274.	1.4	20
31	A cohesin-RAD21 interactome. <i>Biochemical Journal</i> , 2012, 442, 661-670.	3.7	20
32	PDS5A and PDS5B in Cohesin Function and Human Disease. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5868.	4.1	20
33	Separase Inhibitor Sepin-1 Inhibits Foxm1 Expression and Breast Cancer Cell Growth. <i>Journal of Cancer Science & Therapy</i> , 2018, 10, .	1.7	14
34	C-terminus of Sororin interacts with SA2 and regulates sister chromatid cohesion. <i>Cell Cycle</i> , 2015, 14, 820-826.	2.6	13
35	Development and validation of a fluorogenic assay to measure separase enzyme activity. <i>Analytical Biochemistry</i> , 2009, 392, 133-138.	2.4	11
36	Synthesis and activity of benzimidazole-1,3-dioxide inhibitors of separase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 4446-4450.	2.2	8

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37	The Metabolism of Separase Inhibitor Sepin-1 in Human, Mouse, and Rat Liver Microsomes. <i>Frontiers in Pharmacology</i> , 2018, 9, 313.	3.5	7
38	Spatial quantitation of FISH signals in diploid versus aneuploid nuclei. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2014, 85, 339-352.	1.5	6
39	Inhibition of Zinc-Induced Metallothionein mRNA Accumulation by Gonadotropin-Releasing Hormone in Human Hepatocarcinoma Cell Line HepG2. <i>FEBS Journal</i> , 1996, 242, 36-40.	0.2	4
40	Role of Cohesin-Resolving Protease, Separase, In Hematopoiesis.. <i>Blood</i> , 2010, 116, 1593-1593.	1.4	4
41	Toxicity study of separase inhibitorâ€“Sepin-1 in Sprague-Dawley rats. <i>Pathology Research and Practice</i> , 2020, 216, 152730.	2.3	3
42	Acute myeloid leukemia with eosinophilia after cyclinâ€“dependent kinases 4/6 inhibitor treatment due to underlying clonal hematopoiesis of indeterminate potential. <i>American Journal of Hematology</i> , 2019, 94, E82-E85.	4.1	2
43	Haploinsufficiency of cohesin protease, Separase, promotes regeneration of hematopoietic stem cells in mice. <i>Stem Cells</i> , 2020, 38, 1624-1636.	3.2	1
44	Synthesis and Evaluation of a Class of Compounds Inhibiting the Growth of Stromal Antigen 2 (STAG2)â€“Mutant Ewing Sarcoma Cells.. <i>ChemMedChem</i> , 2022, , .	3.2	1
45	Stability and pharmacokinetics of separase inhibitor-Sepin-1 in Sprague-Dawley rats. <i>Biochemical Pharmacology</i> , 2020, 174, 113808.	4.4	0
46	Data set on Separase Inhibitorâ€“Sepin-1 toxicity on organ weights, hematology and clinical parameters in Sprague-Dawley rats. <i>Data in Brief</i> , 2020, 29, 105159.	1.0	0
47	Role of Sororin in sister chromatid cohesion and separation in vertebrates. <i>FASEB Journal</i> , 2010, 24, 878.8.	0.5	0