Mary Dasso

List of Publications by Year in Descending Order

112 papers	7,609 citations	50 h-index	87 g-index
149 ext. papers	8,346 ext. citations	9.9 avg, IF	5.99 L-index

#	Paper	IF	Citations
112	High-Resolution Imaging and Analysis of Individual Nuclear Pore Complexes.. *Methods in Molecular Biology*, **2022**, 2502, 461-471	1.4	0
111	Analysis of Nucleoporin Function Using Inducible Degron Techniques.. *Methods in Molecular Biology* , **2022**, 2502, 129-150	1.4	
110	The cellular environment shapes the nuclear pore complex architecture. *Nature*, **2021**, 598, 667-671	50.4	28
109	Bora phosphorylation substitutes in trans for T-loop phosphorylation in Aurora A to promote mitotic entry. *Nature Communications*, **2021**, 12, 1899	17.4	8
108	Distinct roles of nuclear basket proteins in directing the passage of mRNA through the nuclear pore. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	4
107	Association of RanGAP to nuclear pore complex component, RanBP2/Nup358, is required for pupal development in Drosophila.. *Cell Reports*, **2021**, 37, 110151	10.6	2
106	IRBIT Directs Differentiation of Intestinal Stem Cell Progeny to Maintain Tissue Homeostasis. *IScience*, **2020**, 23, 100954	6.1	3
105	RanBP1 controls the Ran pathway in mammalian cells through regulation of mitotic RCC1 dynamics. *Cell Cycle*, **2020**, 19, 1899-1916	4.7	7
104	PICH regulates the abundance and localization of SUMOylated proteins on mitotic chromosomes. *Molecular Biology of the Cell*, **2020**, 31, 2537-2556	3.5	4
103	Nucleoporin TPR is an integral component of the TREX-2 mRNA export pathway. *Nature Communications*, **2020**, 11, 4577	17.4	25
102	A novel assay to screen siRNA libraries identifies protein kinases required for chromosome transmission. *Genome Research*, **2019**, 29, 1719-1732	9.7	5
101	The cell nucleus. A study in Burgundy. *Nucleus*, **2019**, 10, 213-217	3.9	
100	RCC1 regulates inner centromeric composition in a Ran-independent fashion. *Cell Cycle*, **2018**, 17, 739-748	4.7	6
99	The SUMO Pathway in Mitosis. *Advances in Experimental Medicine and Biology*, **2017**, 963, 171-184	3.6	15
98	Catch and release: 14-3-3 controls Ncd in meiotic spindles. *Journal of Cell Biology*, **2017**, 216, 3003-3005	7.3	1
97	Long Noncoding RNA PURPL Suppresses Basal p53 Levels and Promotes Tumorigenicity in Colorectal Cancer. *Cell Reports*, **2017**, 20, 2408-2423	10.6	77
96	Prosurvival long noncoding RNA regulates a subset of p53 targets in human colorectal cancer cells by binding to Matrin 3. *ELife*, **2017**, 6,	8.9	50

95	Quantitative assessment of chromosome instability induced through chemical disruption of mitotic progression. *Cell Cycle*, **2016**, 15, 1706-14	4.7	3
94	Kar9 Controls the Cytoplasm by Visiting the Nucleus. *Developmental Cell*, **2016**, 36, 360-1	10.2	0
93	Gating Immunity and Death at the Nuclear Pore Complex. *Cell*, **2016**, 166, 1364-1366	56.2	2
92	SUMOylation of the C-terminal domain of DNA topoisomerase II regulates the centromeric localization of Claspin. *Cell Cycle*, **2015**, 14, 2777-84	4.7	21
91	Phosphorylation of Xenopus p31(comet) potentiates mitotic checkpoint exit. *Cell Cycle*, **2015**, 14, 3978-85	4.7	6
90	Molecular Characterization and Functional Analysis of Annulate Lamellae Pore Complexes in Nuclear Transport in Mammalian Cells. *PLoS ONE*, **2015**, 10, e0144508	3.7	10
89	IRBIT is a Novel Regulator of Ribonucleotide Reductase in Higher Eukaryotes. *FASEB Journal*, **2015**, 29, 884.60	0.9	
88	Enzyme regulation. IRBIT is a novel regulator of ribonucleotide reductase in higher eukaryotes. *Science*, **2014**, 345, 1512-5	33.3	39
87	The SUMO proteases SENP1 and SENP2 play a critical role in nucleoporin homeostasis and nuclear pore complex function. *Molecular Biology of the Cell*, **2014**, 25, 160-8	3.5	20
86	SUMOylation of Psmd1 controls Adrm1 interaction with the proteasome. *Cell Reports*, **2014**, 7, 1842-8	10.6	13
85	RanBP1 governs spindle assembly by defining mitotic Ran-GTP production. *Developmental Cell*, **2014**, 31, 393-404	10.2	33
84	Senp1 is essential for desumoylating Sumo1-modified proteins but dispensable for Sumo2 and Sumo3 deconjugation in the mouse embryo. *Cell Reports*, **2013**, 3, 1640-50	10.6	44
83	SUMO-2 and PIAS1 modulate insoluble mutant huntingtin protein accumulation. *Cell Reports*, **2013**, 4, 362-75	10.6	68
82	A Mad that wears two hats: Mad1Q control of nuclear trafficking. *Developmental Cell*, **2013**, 24, 121-2	10.2	1
81	Sumoylation at chromatin governs coordinated repression of a transcriptional program essential for cell growth and proliferation. *Genome Research*, **2013**, 23, 1563-79	9.7	86
80	Two distinct sites in Nup153 mediate interaction with the SUMO proteases SENP1 and SENP2. *Nucleus*, **2012**, 3, 349-58	3.9	34
79	Shedding light on mysterious microtubules. *Developmental Cell*, **2011**, 20, e1	10.2	
78	Xenopus HJURP and condensin II are required for CENP-A assembly. *Journal of Cell Biology*, **2011**, 192, 899-899	7.3	78

77	Xenopus HJURP and condensin II are required for CENP-A assembly. *Journal of Cell Biology*, **2011**, 192, 569-82	7.3	74
76	The Nup107-160 complex and gamma-TuRC regulate microtubule polymerization at kinetochores. *Nature Cell Biology*, **2010**, 12, 164-9	23.4	143
75	PIASy mediates SUMO-2/3 conjugation of poly(ADP-ribose) polymerase 1 (PARP1) on mitotic chromosomes. *Journal of Biological Chemistry*, **2010**, 285, 14415-23	5.4	40
74	The SUMO protease SENP6 is essential for inner kinetochore assembly. *Journal of Cell Biology*, **2010**, 188, 681-92	7.3	93
73	The fate of metaphase kinetochores is weighed in the balance of SUMOylation during S phase. *Cell Cycle*, **2010**, 9, 3194-201	4.7	23
72	Distribution and paralogue specificity of mammalian deSUMOylating enzymes. *Biochemical Journal*, **2010**, 430, 335-44	3.8	80
71	The Ran GTPase **2010**, 1763-1771		
70	Identification and developmental expression of Xenopus laevis SUMO proteases. *PLoS ONE*, **2009**, 4, e8462	3.7	15
69	SUMOylation and deSUMOylation at a glance. *Journal of Cell Science*, **2009**, 122, 4249-52	5.3	124
68	Vesicular stomatitis virus inhibits mitotic progression and triggers cell death. *EMBO Reports*, **2009**, 10, 1154-60	6.5	21
67	Human condensin function is essential for centromeric chromatin assembly and proper sister kinetochore orientation. *PLoS ONE*, **2009**, 4, e6831	3.7	59
66	The SUMO Pathway in Mitosis **2009**, 153-169		
65	The nucleoporin Nup358 associates with and regulates interphase microtubules. *FEBS Letters*, **2008**, 582, 190-6	3.8	61
64	Nucleoporin levels regulate cell cycle progression and phase-specific gene expression. *Developmental Cell*, **2008**, 15, 657-67	10.2	75
63	Nucleolar protein B23/nucleophosmin regulates the vertebrate SUMO pathway through SENP3 and SENP5 proteases. *Journal of Cell Biology*, **2008**, 183, 589-95	7.3	79
62	Emerging roles of the SUMO pathway in mitosis. *Cell Division*, **2008**, 3, 5	2.8	102
61	Paralog specificity of mammalian SENPs for SUMO-1 and SUMO-2. *FASEB Journal*, **2008**, 22, 604.1	0.9	
60	Modification in reverse: the SUMO proteases. *Trends in Biochemical Sciences*, **2007**, 32, 286-95	10.3	443

59	Assembly of correct kinetochore architecture in Xenopus egg extract requires transition of sperm DNA through interphase. *Cell and Tissue Biology*, **2007**, 1, 80-88	0.4	1
58	Bub1 is essential for assembly of the functional inner centromere. *Journal of Cell Biology*, **2007**, 176, 919-28	7.3	92
57	The Nup107-160 nucleoporin complex is required for correct bipolar spindle assembly. *Molecular Biology of the Cell*, **2006**, 17, 3806-18	3.5	127
56	Nuclear envelope breakdown is coordinated by both Nup358/RanBP2 and Nup153, two nucleoporins with zinc finger modules. *Molecular Biology of the Cell*, **2006**, 17, 760-9	3.5	41
55	SUSP1 antagonizes formation of highly SUMO2/3-conjugated species. *Journal of Cell Biology*, **2006**, 174, 939-49	7.3	124
54	An ent-kaurene that inhibits mitotic chromosome movement and binds the kinetochore protein ran-binding protein 2. *ACS Chemical Biology*, **2006**, 1, 443-50	4.9	14
53	Ran at kinetochores. *Biochemical Society Transactions*, **2006**, 34, 711-5	5.1	22
52	Meeting report: International Symposium on QRan and the Cell CycleQOctober 2-5, 2005, Awaji Yumebutai, Japan. *Traffic*, **2006**, 7, 474-8	5.7	
51	The promyelocytic leukemia protein stimulates SUMO conjugation in yeast. *Oncogene*, **2006**, 25, 2999-3005	9.2	44
50	Ran-GTP regulates kinetochore attachment in somatic cells. *Cell Cycle*, **2005**, 4, 1161-5	4.7	62
49	PIASy mediates SUMO-2 conjugation of Topoisomerase-II on mitotic chromosomes. *EMBO Journal*, **2005**, 24, 2172-82	13	126
48	Plant-specific mitotic targeting of RanGAP requires a functional WPP domain. *Plant Journal*, **2005**, 42, 270-82	6.9	54
47	Crm1 is a mitotic effector of Ran-GTP in somatic cells. *Nature Cell Biology*, **2005**, 7, 626-32	23.4	158
46	Ran GTPase regulates Mad2 localization to the nuclear pore complex. *Eukaryotic Cell*, **2005**, 4, 274-80		14
45	Cellular Aging and Death. *Current Protocols in Cell Biology*, **2005**, 27, 18.0.1-18.0.2	2.3	2
44	Distinct in vivo dynamics of vertebrate SUMO paralogues. *Molecular Biology of the Cell*, **2004**, 15, 5208-18	3.5	157
43	The RanGAP1-RanBP2 complex is essential for microtubule-kinetochore interactions in vivo. *Current Biology*, **2004**, 14, 611-7	6.3	292
42	The small GTPase Ran: interpreting the signs. *Current Opinion in Cell Biology*, **2003**, 15, 338-44	9	157

41	Potential roles of the nucleotide exchange factor ECT2 and Cdc42 GTPase in spindle assembly in Xenopus egg cell-free extracts. *Journal of Cellular Biochemistry*, **2003**, 90, 892-900	4.7	19
40	The Ran GTPase regulates kinetochore function. *Developmental Cell*, **2003**, 5, 99-111	10.2	115
39	SUMO-2/3 regulates topoisomerase II in mitosis. *Journal of Cell Biology*, **2003**, 163, 477-87	7.3	173
38	Cellular Roles of the Ran GTPase **2003**, 695-699		
37	The Ran GTPase: theme and variations. *Current Biology*, **2002**, 12, R502-8	6.3	164
36	Association of the human SUMO-1 protease SENP2 with the nuclear pore. *Journal of Biological Chemistry*, **2002**, 277, 19961-6	5.4	186
35	SUMO-1 targets RanGAP1 to kinetochores and mitotic spindles. *Journal of Cell Biology*, **2002**, 156, 595-602	7.3	240
34	A new clue at the nuclear pore: RanBP2 is an E3 enzyme for SUMO1. *Developmental Cell*, **2002**, 2, 130-1	10.2	21
33	Expression and regulation of the mammalian SUMO-1 E1 enzyme. *FASEB Journal*, **2001**, 15, 1825-7	0.9	44
32	Running on Ran: nuclear transport and the mitotic spindle. *Cell*, **2001**, 104, 321-4	56.2	155
31	Multiple Roles of the Ran GTPase During the Cell Cycle **2001**, 105-122		
30	The role of Ran in nuclear function. *Current Opinion in Cell Biology*, **2000**, 12, 302-7	9	65
29	The ran decathlon: multiple roles of Ran. *Journal of Cell Science*, **2000**, 113, 1111-1118	5.3	117
28	The ran decathlon: multiple roles of Ran. *Journal of Cell Science*, **2000**, 113 (Pt 7), 1111-8	5.3	48
27	The ran GTPase regulates mitotic spindle assembly. *Current Biology*, **1999**, 9, 481-4	6.3	300
26	Ubc9p and the conjugation of SUMO-1 to RanGAP1 and RanBP2. *Current Biology*, **1998**, 8, 121-4	6.3	185
25	Nuclear transport: run by Ran?. *American Journal of Human Genetics*, **1998**, 63, 311-6	11	20
24	The hCSE1/CAS protein is phosphorylated by HeLa extracts and MEK-1: MEK-1 phosphorylation may modulate the intracellular localization of CAS. *Biochemical and Biophysical Research Communications*, **1998**, 250, 623-8	3.4	16

(1990-1998)

23	The disruption of ND10 during herpes simplex virus infection correlates with the Vmw110- and proteasome-dependent loss of several PML isoforms. *Journal of Virology*, **1998**, 72, 6581-91	6.6	339
22	The balance of RanBP1 and RCC1 is critical for nuclear assembly and nuclear transport. *Molecular Biology of the Cell*, **1997**, 8, 1955-70	3.5	36
21	The human RAE1 gene is a functional homologue of Schizosaccharomyces pombe rae1 gene involved in nuclear export of Poly(A)+ RNA. *Gene*, **1997**, 198, 251-8	3.8	53
20	RanBP2 associates with Ubc9p and a modified form of RanGAP1. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 3736-41	11.5	170
19	SUMO-1: wrestling with a new ubiquitin-related modifier. *Trends in Biochemical Sciences*, **1997**, 22, 374-6	10.3	128
18	Direct and indirect association of the small GTPase ran with nuclear pore proteins and soluble transport factors: studies in Xenopus laevis egg extracts. *Molecular Biology of the Cell*, **1996**, 7, 1319-34	3.5	55
17	The RCC1 protein interacts with Ran, RanBP1, hsc70, and a 340-kDa protein in Xenopus extracts. *Journal of Biological Chemistry*, **1995**, 270, 10658-63	5.4	33
16	The role of the Ran GTPase pathway in cell cycle control and interphase nuclear functions. *Progress in Cell Cycle Research*, **1995**, 1, 163-72		15
15	Evidence for a dual role for TC4 protein in regulating nuclear structure and cell cycle progression. *Journal of Cell Biology*, **1994**, 125, 705-19	7.3	130
14	A mutant form of the Ran/TC4 protein disrupts nuclear function in Xenopus laevis egg extracts by inhibiting the RCC1 protein, a regulator of chromosome condensation.. *EMBO Journal*, **1994**, 13, 5732-5744	13	103
13	Nuclear assembly is independent of linker histones. *Proceedings of the National Academy of Sciences of the United States of America*, **1994**, 91, 12477-81	11.5	64
12	A mutant form of the Ran/TC4 protein disrupts nuclear function in Xenopus laevis egg extracts by inhibiting the RCC1 protein, a regulator of chromosome condensation. *EMBO Journal*, **1994**, 13, 5732-44	13	54
11	Chromatin transitions during early Xenopus embryogenesis: changes in histone H4 acetylation and in linker histone type. *Developmental Biology*, **1993**, 160, 214-27	3.1	179
10	RCC1 in the cell cycle: the regulator of chromosome condensation takes on new roles. *Trends in Biochemical Sciences*, **1993**, 18, 96-101	10.3	166
9	RCC1, a regulator of mitosis, is essential for DNA replication. *Molecular and Cellular Biology*, **1992**, 12, 3337-45	4.8	93
8	DNA replication and progression through the cell cycle. *Novartis Foundation Symposium*, **1992**, 170, 161-80; discussion 180-6		1
7	RCC1, a regulator of mitosis, is essential for DNA replication. *Molecular and Cellular Biology*, **1992**, 12, 3337-3345	4.8	45
6	Completion of DNA replication is monitored by a feedback system that controls the initiation of mitosis in vitro: studies in Xenopus. *Cell*, **1990**, 61, 811-23	56.2	335

5	On the coupling between DNA replication and mitosis. *Journal of Cell Science*, **1989**, 12, 149-60	5.3	90
4	The Nuclear Pore Complex consists of two independent scaffolds		6
3	Architecture of the cytoplasmic face of the nuclear pore		6
2	Distinct Basket Nucleoporins roles in Nuclear Pore Function and Gene Expression: Tpr is an integral component of the TREX-2 mRNA export pathway		1
1	Nuclear RNA binding regulates TDP-43 nuclear localization and passive nuclear export		1