Sharyn A Endow

List of Publications by Year in Descending Order

74 papers	3,801 citations	34 h-index	61 g-index
126 ext. papers	4,085 ext. citations	9.4 avg, IF	5.22 L-index

#	Paper	IF	Citations
74	Report on BASICS: Lesson Plan on Aerosols and Infection. *The Biophysicist*, **2021**, 2, 16-19	1	
73	CRL4Mahj E3 ubiquitin ligase promotes neural stem cell reactivation. *PLoS Biology*, **2019**, 17, e3000276	9.7	8
72	An estimate to the first approximation of microtubule rupture force. *European Biophysics Journal*, **2019**, 48, 569-577	1.9	1
71	Mitochondria-enriched protrusions are associated with brain and intestinal stem cells in. *Communications Biology*, **2019**, 2, 427	6.7	4
70	Structural basis of small molecule ATPase inhibition of a human mitotic kinesin motor protein. *Scientific Reports*, **2017**, 7, 15121	4.9	18
69	Arl2- and Msps-dependent microtubule growth governs asymmetric division. *Journal of Cell Biology*, **2016**, 212, 661-76	7.3	16
68	The kinesin-13 KLP10A motor regulates oocyte spindle length and affects EB1 binding without altering microtubule growth rates. *Biology Open*, **2014**, 3, 561-70	2.2	8
67	Force generation by kinesin and myosin cytoskeletal motor proteins. *Journal of Cell Science*, **2013**, 126, 9-19	5.3	70
66	A remarkable career in science-Joseph G. Gall. *Chromosome Research*, **2013**, 21, 339-43	4.4	1
65	Altered nucleotide-microtubule coupling and increased mechanical output by a kinesin mutant. *PLoS ONE*, **2012**, 7, e47148	3.7	7
64	Neck-motor interactions trigger rotation of the kinesin stalk. *Scientific Reports*, **2012**, 2, 236	4.9	9
63	Anastral spindle assembly and Ɛtubulin in Drosophila oocytes. *BMC Cell Biology*, **2011**, 12, 1		8
62	Two-state displacement by the kinesin-14 Ncd stalk. *Biophysical Chemistry*, **2011**, 154, 56-65	3.5	9
61	Kinesins at a glance. *Journal of Cell Science*, **2010**, 123, 4000-4000	5.3	78
60	Kinesins at a glance. *Journal of Cell Science*, **2010**, 123, 3420-4	5.3	46
59	A kinesin motor in a force-producing conformation. *BMC Structural Biology*, **2010**, 10, 19	2.7	25
58	Mature Drosophila meiosis I spindles comprise microtubules of mixed polarity. *Current Biology*, **2009**, 19, 163-8	6.3	17

57	Anastral spindle assembly: a mathematical model. *Biophysical Journal*, **2009**, 97, 2191-201	2.9	11
56	Fluorescence recovery kinetic analysis of gamma-tubulin binding to the mitotic spindle. *Biophysical Journal*, **2008**, 95, 3048-58	2.9	27
55	A microtubule-destabilizing kinesin motor regulates spindle length and anchoring in oocytes. *Journal of Cell Biology*, **2008**, 180, 459-66	7.3	19
54	Ncd motor binding and transport in the spindle. *Journal of Cell Science*, **2008**, 121, 3834-41	5.3	19
53	Large conformational changes in a kinesin motor catalyzed by interaction with microtubules. *Molecular Cell*, **2006**, 23, 913-23	17.6	78
52	1P268 Conformational Changes in a Kinesin Motor Kar3 Catalysed by Interaction with Microtubules(9. Molecular motor (I),Poster Session,Abstract,Meeting Program of EABS & BSJ 2006). *Seibutsu Butsuri*, **2006**, 46, S213	0	
51	Assembly pathway of the anastral Drosophila oocyte meiosis I spindle. *Journal of Cell Science*, **2005**, 118, 1745-55	5.3	70
50	Kar3 interaction with Cik1 alters motor structure and function. *EMBO Journal*, **2005**, 24, 3214-23	13	34
49	A bidirectional kinesin motor in live Drosophila embryos. *Traffic*, **2005**, 6, 1036-46	5.7	10
48	A new kinesin tree. *Journal of Cell Science*, **2004**, 117, 3-7	5.3	99
47	Rapid double 8-nm steps by a kinesin mutant. *EMBO Journal*, **2004**, 23, 2993-9	13	43
46	A new structural state of myosin. *Trends in Biochemical Sciences*, **2004**, 29, 103-6	10.3	15
45	A standardized kinesin nomenclature. *Journal of Cell Biology*, **2004**, 167, 19-22	7.3	570
44	Kinesin motors as molecular machines. *BioEssays*, **2003**, 25, 1212-9	4.1	35
43	Rotation of the stalk/neck and one head in a new crystal structure of the kinesin motor protein, Ncd. *EMBO Journal*, **2003**, 22, 5382-9	13	70
42	Processive and nonprocessive models of kinesin movement. *Annual Review of Physiology*, **2003**, 65, 161-75	23.1	37
41	Joseph G. Gall. *Journal of Cell Science*, **2003**, 116, 3849-3850	5.3	2
40	Directionality and processivity of molecular motors. *Current Opinion in Cell Biology*, **2002**, 14, 50-7	9	45

39	Kinesin: switch I & II and the motor mechanism. *Journal of Cell Science*, **2002**, 115, 15-23	5.3	75
38	Kinesin: switch I & II and the motor mechanism. *Journal of Cell Science*, **2002**, 115, 15-23	5.3	74
37	Plasmids for expression of chimeric and truncated kinesin proteins. *Methods in Molecular Biology*, **2001**, 164, 49-55	1.4	
36	A mutant of the motor protein kinesin that moves in both directions on microtubules. *Nature*, **2000**, 406, 913-6	50.4	150
35	A kinesin family tree. *Journal of Cell Science*, **2000**, 113, 3681-3682	5.3	74
34	GFP fusions to a microtubule motor protein to visualize meiotic and mitotic spindle dynamics in Drosophila. *Methods in Cell Biology*, **1999**, 58, 153-63	1.8	2
33	Determinants of molecular motor directionality. *Nature Cell Biology*, **1999**, 1, E163-7	23.4	73
32	Microtubule motors in spindle and chromosome motility. *FEBS Journal*, **1999**, 262, 12-8		84
31	Decoupling of nucleotide- and microtubule-binding sites in a kinesin mutant. *Nature*, **1998**, 396, 587-90	50.4	54
30	Reversing a backwards motor. *BioEssays*, **1998**, 20, 108-112	4.1	4
29	X-ray crystal structure of the yeast Kar3 motor domain complexed with Mg.ADP to 2.3 A resolution. *Biochemistry*, **1998**, 37, 1769-76	3.2	91
28	Spindle dynamics during meiosis in Drosophila oocytes. *Journal of Cell Biology*, **1997**, 137, 1321-36	7.3	122
27	Rapid purification of microtubule motor domain proteins expressed in bacteria. *BioTechniques*, **1997**, 22, 82-5	2.5	12
26	Binding sites on microtubules of kinesin motors of the same or opposite polarity. *Biochemistry*, **1996**, 35, 11203-9	3.2	22
25	Connecting protein family resources using the proWeb network. *Trends in Biochemical Sciences*, **1996**, 21, 444-5	10.3	11
24	Kinesin proteins: a phylum of motors for microtubule-based motility. *BioEssays*, **1996**, 18, 207-19	4.1	164
23	Springs and hinges: dynamic coiled coils and discontinuities. *Trends in Biochemical Sciences*, **1994**, 19, 51-4	10.3	35
22	Constitutive magnification by the Ybb- chromosome of Drosophila melanogaster. *Genetical Research*, **1993**, 62, 205-12	1.1	3

21	Expression of microtubule motor proteins in bacteria for characterization in in vitro motility assays. *Methods in Cell Biology*, **1993**, 39, 115-27	1.8	9
20	Meiosis, mitosis and microtubule motors. *BioEssays*, **1993**, 15, 399-407	4.1	72
19	Chromosome distribution, molecular motors and the claret protein. *Trends in Genetics*, **1993**, 9, 52-5	8.5	17
18	Genetic approaches to molecular motors. *Annual Review of Cell Biology*, **1992**, 8, 29-66		69
17	Meiotic chromosome distribution in Drosophila oocytes: roles of two kinesin-related proteins. *Chromosoma*, **1992**, 102, 1-8	2.8	24
16	The emerging kinesin family of microtubule motor proteins. *Trends in Biochemical Sciences*, **1991**, 16, 221-5	10.3	55
15	Mediation of meiotic and early mitotic chromosome segregation in Drosophila by a protein related to kinesin. *Nature*, **1990**, 345, 81-3	50.4	232
14	The Drosophila claret segregation protein is a minus-end directed motor molecule. *Nature*, **1990**, 347, 780-2	50.4	329
13	Mutant alleles of the meiotic locus, mei-9, differ in degree of effects on rod chromosome magnification and ring chromosome transmission in Drosophila. *Genetical Research*, **1989**, 53, 155-61	1.1	1
12	One-step and stepwise magnification of a bobbed lethal chromosome in Drosophila melanogaster. *Genetics*, **1986**, 114, 511-23	4	12
11	Magnification of the ribosomal genes in female Drosophila melanogaster. *Genetics*, **1986**, 114, 859-74	4	9
10	Reduction of wild-type X chromosomes with the Ybb□chromosome of Drosophila melanogaster. *Genetical Research*, **1984**, 43, 93-98	1.1	5
9	Ring chromosomes and rDNA magnification in Drosophila. *Genetics*, **1984**, 108, 969-83	4	17
8	Polytenization of the ribosomal genes on the X and Y chromosomes of Drosophila melanogaster. *Genetics*, **1982**, 100, 375-85	4	42
7	Molecular characterization of ribosomal genes on the Ybb- chromosome of Drosophila melanogaster. *Genetics*, **1982**, 102, 91-9	4	10
6	On ribosomal gene compensation in Drosophila. *Cell*, **1980**, 22, 149-55	56.2	48
5	Differential replication of ribosomal gene repeats in polytene nuclei of Drosophila. *Cell*, **1979**, 17, 597-605	56.2	103
4	Two restriction-like enzymes from Xanthomonas malvacearum. *Journal of Molecular Biology*, **1977**, 112, 521-9	6.5	81

3	Analysis of Drosophila melanogaster satellite IV with restriction endonuclease MboII. *Journal of Molecular Biology*, **1977**, 114, 441-9	6.5	37
2	Satellite DNA sequences of Drosophila melanogaster. *Journal of Molecular Biology*, **1975**, 96, 665-92	6.5	66
1	Molecular Motor Directionality229-241		