

Sharyn A Endow

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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	A standardized kinesin nomenclature. <i>Journal of Cell Biology</i> , 2004 , 167, 19-22	7.3	570
73	The Drosophila claret segregation protein is a minus-end directed motor molecule. <i>Nature</i> , 1990 , 347, 780-2	50.4	329
72	Mediation of meiotic and early mitotic chromosome segregation in Drosophila by a protein related to kinesin. <i>Nature</i> , 1990 , 345, 81-3	50.4	232
71	Kinesin proteins: a phylum of motors for microtubule-based motility. <i>BioEssays</i> , 1996 , 18, 207-19	4.1	164
70	A mutant of the motor protein kinesin that moves in both directions on microtubules. <i>Nature</i> , 2000 , 406, 913-6	50.4	150
69	Spindle dynamics during meiosis in Drosophila oocytes. <i>Journal of Cell Biology</i> , 1997 , 137, 1321-36	7.3	122
68	Differential replication of ribosomal gene repeats in polytene nuclei of Drosophila. <i>Cell</i> , 1979 , 17, 597-605	5.2	103
67	A new kinesin tree. <i>Journal of Cell Science</i> , 2004 , 117, 3-7	5.3	99
66	X-ray crystal structure of the yeast Kar3 motor domain complexed with Mg.ADP to 2.3 A resolution. <i>Biochemistry</i> , 1998 , 37, 1769-76	3.2	91
65	Microtubule motors in spindle and chromosome motility. <i>FEBS Journal</i> , 1999 , 262, 12-8		84
64	Two restriction-like enzymes from Xanthomonas malvacearum. <i>Journal of Molecular Biology</i> , 1977 , 112, 521-9	6.5	81
63	Kinesins at a glance. <i>Journal of Cell Science</i> , 2010 , 123, 4000-4000	5.3	78
62	Large conformational changes in a kinesin motor catalyzed by interaction with microtubules. <i>Molecular Cell</i> , 2006 , 23, 913-23	17.6	78
61	Kinesin: switch I & II and the motor mechanism. <i>Journal of Cell Science</i> , 2002 , 115, 15-23	5.3	75
60	A kinesin family tree. <i>Journal of Cell Science</i> , 2000 , 113, 3681-3682	5.3	74
59	Kinesin: switch I & II and the motor mechanism. <i>Journal of Cell Science</i> , 2002 , 115, 15-23	5.3	74
58	Determinants of molecular motor directionality. <i>Nature Cell Biology</i> , 1999 , 1, E163-7	23.4	73

57	Meiosis, mitosis and microtubule motors. <i>BioEssays</i> , 1993 , 15, 399-407	4.1	72
56	Force generation by kinesin and myosin cytoskeletal motor proteins. <i>Journal of Cell Science</i> , 2013 , 126, 9-19	5.3	70
55	Assembly pathway of the anastral <i>Drosophila</i> oocyte meiosis I spindle. <i>Journal of Cell Science</i> , 2005 , 118, 1745-55	5.3	70
54	Rotation of the stalk/neck and one head in a new crystal structure of the kinesin motor protein, Ncd. <i>EMBO Journal</i> , 2003 , 22, 5382-9	13	70
53	Genetic approaches to molecular motors. <i>Annual Review of Cell Biology</i> , 1992 , 8, 29-66		69
52	Satellite DNA sequences of <i>Drosophila melanogaster</i> . <i>Journal of Molecular Biology</i> , 1975 , 96, 665-92	6.5	66
51	The emerging kinesin family of microtubule motor proteins. <i>Trends in Biochemical Sciences</i> , 1991 , 16, 221-5	10.3	55
50	Decoupling of nucleotide- and microtubule-binding sites in a kinesin mutant. <i>Nature</i> , 1998 , 396, 587-90	50.4	54
49	On ribosomal gene compensation in <i>Drosophila</i> . <i>Cell</i> , 1980 , 22, 149-55	56.2	48
48	Kinesins at a glance. <i>Journal of Cell Science</i> , 2010 , 123, 3420-4	5.3	46
47	Directionality and processivity of molecular motors. <i>Current Opinion in Cell Biology</i> , 2002 , 14, 50-7	9	45
46	Rapid double 8-nm steps by a kinesin mutant. <i>EMBO Journal</i> , 2004 , 23, 2993-9	13	43
45	Polytenization of the ribosomal genes on the X and Y chromosomes of <i>Drosophila melanogaster</i> . <i>Genetics</i> , 1982 , 100, 375-85	4	42
44	Processive and nonprocessive models of kinesin movement. <i>Annual Review of Physiology</i> , 2003 , 65, 161-75.1	25.1	37
43	Analysis of <i>Drosophila melanogaster</i> satellite IV with restriction endonuclease MbolI. <i>Journal of Molecular Biology</i> , 1977 , 114, 441-9	6.5	37
42	Kinesin motors as molecular machines. <i>BioEssays</i> , 2003 , 25, 1212-9	4.1	35
41	Springs and hinges: dynamic coiled coils and discontinuities. <i>Trends in Biochemical Sciences</i> , 1994 , 19, 51-4	10.3	35
40	Kar3 interaction with Cik1 alters motor structure and function. <i>EMBO Journal</i> , 2005 , 24, 3214-23	13	34

39	Fluorescence recovery kinetic analysis of gamma-tubulin binding to the mitotic spindle. <i>Biophysical Journal</i> , 2008 , 95, 3048-58	2.9	27
38	A kinesin motor in a force-producing conformation. <i>BMC Structural Biology</i> , 2010 , 10, 19	2.7	25
37	Meiotic chromosome distribution in <i>Drosophila</i> oocytes: roles of two kinesin-related proteins. <i>Chromosoma</i> , 1992 , 102, 1-8	2.8	24
36	Binding sites on microtubules of kinesin motors of the same or opposite polarity. <i>Biochemistry</i> , 1996 , 35, 11203-9	3.2	22
35	A microtubule-destabilizing kinesin motor regulates spindle length and anchoring in oocytes. <i>Journal of Cell Biology</i> , 2008 , 180, 459-66	7.3	19
34	Ncd motor binding and transport in the spindle. <i>Journal of Cell Science</i> , 2008 , 121, 3834-41	5.3	19
33	Structural basis of small molecule ATPase inhibition of a human mitotic kinesin motor protein. <i>Scientific Reports</i> , 2017 , 7, 15121	4.9	18
32	Mature <i>Drosophila</i> meiosis I spindles comprise microtubules of mixed polarity. <i>Current Biology</i> , 2009 , 19, 163-8	6.3	17
31	Chromosome distribution, molecular motors and the claret protein. <i>Trends in Genetics</i> , 1993 , 9, 52-5	8.5	17
30	Ring chromosomes and rDNA magnification in <i>Drosophila</i> . <i>Genetics</i> , 1984 , 108, 969-83	4	17
29	Arl2- and Msps-dependent microtubule growth governs asymmetric division. <i>Journal of Cell Biology</i> , 2016 , 212, 661-76	7.3	16
28	A new structural state of myosin. <i>Trends in Biochemical Sciences</i> , 2004 , 29, 103-6	10.3	15
27	Rapid purification of microtubule motor domain proteins expressed in bacteria. <i>BioTechniques</i> , 1997 , 22, 82-5	2.5	12
26	One-step and stepwise magnification of a bobbed lethal chromosome in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 1986 , 114, 511-23	4	12
25	Anastral spindle assembly: a mathematical model. <i>Biophysical Journal</i> , 2009 , 97, 2191-201	2.9	11
24	Connecting protein family resources using the proWeb network. <i>Trends in Biochemical Sciences</i> , 1996 , 21, 444-5	10.3	11
23	A bidirectional kinesin motor in live <i>Drosophila</i> embryos. <i>Traffic</i> , 2005 , 6, 1036-46	5.7	10
22	Molecular characterization of ribosomal genes on the Ybb- chromosome of <i>Drosophila melanogaster</i> . <i>Genetics</i> , 1982 , 102, 91-9	4	10

21	Two-state displacement by the kinesin-14 Ncd stalk. <i>Biophysical Chemistry</i> , 2011 , 154, 56-65	3.5	9
20	Neck-motor interactions trigger rotation of the kinesin stalk. <i>Scientific Reports</i> , 2012 , 2, 236	4.9	9
19	Expression of microtubule motor proteins in bacteria for characterization in in vitro motility assays. <i>Methods in Cell Biology</i> , 1993 , 39, 115-27	1.8	9
18	Magnification of the ribosomal genes in female <i>Drosophila melanogaster</i> . <i>Genetics</i> , 1986 , 114, 859-74	4	9
17	CRL4Mahj E3 ubiquitin ligase promotes neural stem cell reactivation. <i>PLoS Biology</i> , 2019 , 17, e3000276	9.7	8
16	The kinesin-13 KLP10A motor regulates oocyte spindle length and affects EB1 binding without altering microtubule growth rates. <i>Biology Open</i> , 2014 , 3, 561-70	2.2	8
15	Anastral spindle assembly and β tubulin in <i>Drosophila</i> oocytes. <i>BMC Cell Biology</i> , 2011 , 12, 1		8
14	Altered nucleotide-microtubule coupling and increased mechanical output by a kinesin mutant. <i>PLoS ONE</i> , 2012 , 7, e47148	3.7	7
13	Reduction of wild-type X chromosomes with the Ybb-1 chromosome of <i>Drosophila melanogaster</i> . <i>Genetical Research</i> , 1984 , 43, 93-98	1.1	5
12	Reversing a backwards motor. <i>BioEssays</i> , 1998 , 20, 108-112	4.1	4
11	Mitochondria-enriched protrusions are associated with brain and intestinal stem cells in <i>Drosophila</i> . <i>Communications Biology</i> , 2019 , 2, 427	6.7	4
10	Constitutive magnification by the Ybb- chromosome of <i>Drosophila melanogaster</i> . <i>Genetical Research</i> , 1993 , 62, 205-12	1.1	3
9	Joseph G. Gall. <i>Journal of Cell Science</i> , 2003 , 116, 3849-3850	5.3	2
8	GFP fusions to a microtubule motor protein to visualize meiotic and mitotic spindle dynamics in <i>Drosophila</i> . <i>Methods in Cell Biology</i> , 1999 , 58, 153-63	1.8	2
7	An estimate to the first approximation of microtubule rupture force. <i>European Biophysics Journal</i> , 2019 , 48, 569-577	1.9	1
6	A remarkable career in science-Joseph G. Gall. <i>Chromosome Research</i> , 2013 , 21, 339-43	4.4	1
5	Mutant alleles of the meiotic locus, mei-9, differ in degree of effects on rod chromosome magnification and ring chromosome transmission in <i>Drosophila</i> . <i>Genetical Research</i> , 1989 , 53, 155-61	1.1	1
4	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). <i>Seibutsu Butsuri</i> , 2006 , 46, S213	0	

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2 Plasmids for expression of chimeric and truncated kinesin proteins. *Methods in Molecular Biology*, **2001**, 164, 49-55

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