Linda A Amos

List of Publications by Year
in descending order

67 papers	7,175 citations	87888 38 h-index	102487 66 g-index
201 all docs	201 docs citations	201 times ranked	5372 citing authors

#	Article	IF	Citations
1	Crystal structure of the bacterial cell-division protein FtsZ. Nature, 1998, 391, 203-206.	27.8	833
2	Prokaryotic origin of the actin cytoskeleton. Nature, 2001, 413, 39-44.	27.8	759
3	Tubulin and FtsZ form a distinct family of GTPases. Nature Structural Biology, 1998, 5, 451-458.	9.7	512
4	Arrangement of subunits in flagellar microtubules. Journal of Cell Science, 1974, 14, 523-549.	2.0	454
5	Three Dimensional Reconstructions of Spherical Viruses by Fourier Synthesis from Electron Micrographs. Nature, 1970, 226, 421-425.	27.8	340
6	Repeat motifs of tau bind to the insides of microtubules in the absence of taxol. EMBO Journal, 2003, 22, 70-77.	7.8	299
7	Harmonic analysis of electron microscope images with rotational symmetry. Journal of Molecular Biology, 1971, 60, 123-130.	4.2	230
8	F-actin-like filaments formed by plasmid segregation protein ParM. EMBO Journal, 2002, 21, 6935-6943.	7.8	229
9	How TaxolÂ® stabilises microtubule structure. Chemistry and Biology, 1999, 6, R65-R69.	6.0	225
10	Tubulin-like protofilaments in Ca2+-induced FtsZ sheets. EMBO Journal, 1999, 18, 2364-2371.	7.8	206
11	Microtubule structure and its stabilisation. Organic and Biomolecular Chemistry, 2004, 2, 2153.	2.8	180
12	Microtubules and Maps. Advances in Protein Chemistry, 2005, 71, 257-298.	4.4	171
13	Interaction of tau protein with the dynactin complex. EMBO Journal, 2007, 26, 4546-4554.	7.8	171
14	Structure of a Bacterial Dynamin-like Protein Lipid Tube Provides a Mechanism For Assembly and Membrane Curving. Cell, 2009, 139, 1342-1352.	28.9	163
15	Three-dimensional cryoelectron microscopy of dimeric kinesin and ncd motor domains on microtubules.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 9539-9544.	7.1	140
16	CetZ tubulin-like proteins control archaeal cell shape. Nature, 2015, 519, 362-365.	27.8	138
17	Nucleotide-dependent angular change in kinesin motor domain bound to tubulin. Nature, 1995, 376, 277-279.	27.8	123
18	Molecules of the Bacterial Cytoskeleton. Annual Review of Biophysics and Biomolecular Structure, 2004, 33, 177-198.	18.3	123

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19	Evolution of cytomotive filaments: The cytoskeleton from prokaryotes to eukaryotes. International Journal of Biochemistry and Cell Biology, 2009, 41, 323-329.	2.8	120
20	An ATP Gate Controls Tubulin Binding by the Tethered Head of Kinesin-1. Science, 2007, 316, 120-123.	12.6	104
21	Bacterial ancestry of actin and tubulin. Current Opinion in Microbiology, 2001, 4, 634-638.	5.1	101
22	Mal3, the Schizosaccharomyces pombe homolog of EB1, changes the microtubule lattice. Nature Structural and Molecular Biology, 2008, 15, 1102-1108.	8.2	99
23	Structural evidence that myosin heads may interact with two sites on F-actin. Nature, 1982, 299, 467-469.	27.8	95
24	The tektin family of microtubule-stabilizing proteins. Genome Biology, 2008, 9, 229.	9.6	93
25	Large Conformational Changes in a Kinesin Motor Catalyzed by Interaction with Microtubules. Molecular Cell, 2006, 23, 913-923.	9.7	85
26	Structure of actin filament bundles from microvilli of sea urchin eggs. Journal of Molecular Biology, 1979, 129, 319-331.	4.2	80
27	Congruent Docking of Dimeric Kinesin and ncd into Three-dimensional Electron Cryomicroscopy Maps of Microtubuleâ€“Motor ADP Complexes. Molecular Biology of the Cell, 1999, 10, 2063-2074.	2.1	79
28	Structural Comparison of Tektins and Evidence for Their Determination of Complex Spacings in Flagellar Microtubules. Journal of Molecular Biology, 1996, 257, 385-397.	4.2	77
29	Structural/functional homology between the bacterial and eukaryotic cytoskeletons. Current Opinion in Cell Biology, 2004, 16, 24-31.	5.4	74
30	What tubulin drugs tell us about microtubule structure and dynamics. Seminars in Cell and Developmental Biology, 2011, 22, 916-926.	5.0	72
31	Filament structure of bacterial tubulin homologue TubZ. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19766-19771.	7.1	71
32	Focusing-in on microtubules. Current Opinion in Structural Biology, 2000, 10, 236-241.	5.7	69
33	MinCD cell division proteins form alternating copolymeric cytomotive filaments. Nature Communications, 2014, 5, 5341.	12.8	64
34	Microtubule Minus Ends can be Labelled with a Phage Display Antibody Specific to Alpha-Tubulin. Journal of Molecular Biology, 1996, 259, 325-330.	4.2	59
35	New Insights into the Mechanisms of Cytomotive Actin and Tubulin Filaments. International Review of Cell and Molecular Biology, 2011, 292, 1-71.	3.2	56
36	The microtubule lattice â€” 20 years on. Trends in Cell Biology, 1995, 5, 48-51.	7.9	45

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37	Re-examination of the Polarity of Microtubules and Sheets Decorated with Kinesin Motor Domain. Journal of Molecular Biology, 1995, 251, 329-333.	4.2	45
38	Helical Tubes of FtsZ from Methanococcus jannaschii. Biological Chemistry, 2000, 381, 993-999.	2.5	40
39	The structure of microtubule-motor complexes. Current Opinion in Cell Biology, 1997, 9, 4-11.	5.4	39
40	Discodermolide interferes with the binding of tau protein to microtubules. FEBS Letters, 2003, 539, 34-36.	2.8	37
41	Three-dimensional image reconstruction of turnip yellow mosaic virus. Journal of Molecular Biology, 1972, 72, 819-822.	4.2	34
42	Structure of the Tubulin/FtsZ-Like Protein TubZ from Pseudomonas Bacteriophage Î¦KZ. Journal of Molecular Biology, 2013, 425, 2164-2173.	4.2	31
43	Arrangement of protofilaments in two forms of tubulin crystal induced by vinblastine. Journal of Molecular Biology, 1984, 178, 711-729.	4.2	28
44	Kinesin Light Chain Isoforms in Caenorhabditis elegans. Journal of Molecular Biology, 1994, 240, 507-512.	4.2	27
45	Molecular motors: not quite like clockwork. Cellular and Molecular Life Sciences, 2008, 65, 509-515.	5.4	24
46	Antibodies to cytoplasmic dynein heavy chain map the surface and inhibit motility11Edited by M. F. Moody. Journal of Molecular Biology, 2001, 307, 1317-1327.	4.2	22
47	Studying the Structure of Microtubules by Electron Microscopy. Methods in Molecular Medicine, 2007, 137, 65-91.	0.8	13
48	3D Electron Microscopy of the Interaction of Kinesin with Tubulin.. Cell Structure and Function, 1999, 24, 277-284.	1.1	12
49	A cool look at the structural changes in kinesin motor domains. Journal of Cell Science, 2007, 120, 3919-3927.	2.0	11
50	Overview of the Diverse Roles of Bacterial and Archaeal Cytoskeletons. Sub-Cellular Biochemistry, 2017, 84, 1-26.	2.4	11
51	Electron microscopy of helical filaments: rediscovering buried treasures in negative stain. BioEssays, 2009, 31, 909-911.	2.5	7
52	The subtle allostery of microtubule dynamics. Nature Structural and Molecular Biology, 2014, 21, 505-506.	8.2	7
53	Movements made visible by microchip technology. Nature, 1987, 330, 211-212.	27.8	6
54	High-Resolution Structural Analysis of the Kinesin-Microtubule Complex by Electron Cryo-Microscopy. Methods in Molecular Biology, 2007, 392, 213-230.	0.9	6

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55	Bending at Microtubule Interfaces. Chemistry and Biology, 2004, 11, 745-747.	6.0	5
56	Spindle Assembly: Kinesin-5 Is in Control. Current Biology, 2008, 18, R1146-R1149.	3.9	5
57	Molecular motors: rocking and rolling. Nature Chemical Biology, 2005, 1, 319-320.	8.0	4
58	Aaron Klug and the revolution in biomolecular structure determination. Trends in Cell Biology, 2004, 14, 148-152.	7.9	3
59	Why do brains need tau (<scp>MAPT</scp>)?. FEBS Journal, 2014, 281, iv-v.	4.7	3
60	Image analysis in molecular biology. Physics Bulletin, 1972, 23, 714-715.	0.0	2
61	Negative stain electron microscopy of microtubules and associated motor molecules. Micron and Microscopica Acta, 1991, 22, 395-403.	0.2	2
62	Articulated Tubes. Structure, 2010, 18, 892-894.	3.3	2
63	Sexist ads. Nature, 1986, 321, 106-106.	27.8	1
64	Microtubule Structure and Its Stabilization.. ChemInform, 2004, 35, no.	0.0	1
65	Pressing Levers or Pulling Strings?. Science, 2008, 322, 1647-1648.	12.6	1
66	Kinesin sticks its neck out. Nature Cell Biology, 2000, 2, E15-E16.	10.3	0
67	1P268 Conformational Changes in a Kinesin Motor Kar3 Catalysed by Interaction with Microtubules(9.) Tj ETQq1 1 0.784314 rgBT /O Butsuri, 2006, 46, S213.	0.1	0