

Linda A Amos

List of Publications by Year in descending order

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67
papers

7,175
citations

87723

38
h-index

102304

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. <i>Nature</i> , 1998, 391, 203-206.	13.7	833
2	Prokaryotic origin of the actin cytoskeleton. <i>Nature</i> , 2001, 413, 39-44.	13.7	759
3	Tubulin and FtsZ form a distinct family of GTPases. <i>Nature Structural Biology</i> , 1998, 5, 451-458.	9.7	512
4	Arrangement of subunits in flagellar microtubules. <i>Journal of Cell Science</i> , 1974, 14, 523-549.	1.2	454
5	Three Dimensional Reconstructions of Spherical Viruses by Fourier Synthesis from Electron Micrographs. <i>Nature</i> , 1970, 226, 421-425.	13.7	340
6	Repeat motifs of tau bind to the insides of microtubules in the absence of taxol. <i>EMBO Journal</i> , 2003, 22, 70-77.	3.5	299
7	Harmonic analysis of electron microscope images with rotational symmetry. <i>Journal of Molecular Biology</i> , 1971, 60, 123-130.	2.0	230
8	F-actin-like filaments formed by plasmid segregation protein ParM. <i>EMBO Journal</i> , 2002, 21, 6935-6943.	3.5	229
9	How Taxol® stabilises microtubule structure. <i>Chemistry and Biology</i> , 1999, 6, R65-R69.	6.2	225
10	Tubulin-like protofilaments in Ca ²⁺ -induced FtsZ sheets. <i>EMBO Journal</i> , 1999, 18, 2364-2371.	3.5	206
11	Microtubule structure and its stabilisation. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 2153.	1.5	180
12	Microtubules and Maps. <i>Advances in Protein Chemistry</i> , 2005, 71, 257-298.	4.4	171
13	Interaction of tau protein with the dynactin complex. <i>EMBO Journal</i> , 2007, 26, 4546-4554.	3.5	171
14	Structure of a Bacterial Dynamin-like Protein Lipid Tube Provides a Mechanism For Assembly and Membrane Curving. <i>Cell</i> , 2009, 139, 1342-1352.	13.5	163
15	Three-dimensional cryoelectron microscopy of dimeric kinesin and ncd motor domains on microtubules.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 9539-9544.	3.3	140
16	CetZ tubulin-like proteins control archaeal cell shape. <i>Nature</i> , 2015, 519, 362-365.	13.7	138
17	Nucleotide-dependent angular change in kinesin motor domain bound to tubulin. <i>Nature</i> , 1995, 376, 277-279.	13.7	123
18	Molecules of the Bacterial Cytoskeleton. <i>Annual Review of Biophysics and Biomolecular Structure</i> , 2004, 33, 177-198.	18.3	123

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19	Evolution of cytomotive filaments: The cytoskeleton from prokaryotes to eukaryotes. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 323-329.	1.2	120
20	An ATP Gate Controls Tubulin Binding by the Tethered Head of Kinesin-1. <i>Science</i> , 2007, 316, 120-123.	6.0	104
21	Bacterial ancestry of actin and tubulin. <i>Current Opinion in Microbiology</i> , 2001, 4, 634-638.	2.3	101
22	Mal3, the <i>Schizosaccharomyces pombe</i> homolog of EB1, changes the microtubule lattice. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 1102-1108.	3.6	99
23	Structural evidence that myosin heads may interact with two sites on F-actin. <i>Nature</i> , 1982, 299, 467-469.	13.7	95
24	The tektin family of microtubule-stabilizing proteins. <i>Genome Biology</i> , 2008, 9, 229.	13.9	93
25	Large Conformational Changes in a Kinesin Motor Catalyzed by Interaction with Microtubules. <i>Molecular Cell</i> , 2006, 23, 913-923.	4.5	85
26	Structure of actin filament bundles from microvilli of sea urchin eggs. <i>Journal of Molecular Biology</i> , 1979, 129, 319-331.	2.0	80
27	Congruent Docking of Dimeric Kinesin and ncd into Three-dimensional Electron Cryomicroscopy Maps of Microtubule-Motor ADP Complexes. <i>Molecular Biology of the Cell</i> , 1999, 10, 2063-2074.	0.9	79
28	Structural Comparison of Tektins and Evidence for Their Determination of Complex Spacings in Flagellar Microtubules. <i>Journal of Molecular Biology</i> , 1996, 257, 385-397.	2.0	77
29	Structural/functional homology between the bacterial and eukaryotic cytoskeletons. <i>Current Opinion in Cell Biology</i> , 2004, 16, 24-31.	2.6	74
30	What tubulin drugs tell us about microtubule structure and dynamics. <i>Seminars in Cell and Developmental Biology</i> , 2011, 22, 916-926.	2.3	72
31	Filament structure of bacterial tubulin homologue TubZ. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19766-19771.	3.3	71
32	Focusing-in on microtubules. <i>Current Opinion in Structural Biology</i> , 2000, 10, 236-241.	2.6	69
33	MinCD cell division proteins form alternating copolymeric cytomotive filaments. <i>Nature Communications</i> , 2014, 5, 5341.	5.8	64
34	Microtubule Minus Ends can be Labelled with a Phage Display Antibody Specific to Alpha-Tubulin. <i>Journal of Molecular Biology</i> , 1996, 259, 325-330.	2.0	59
35	New Insights into the Mechanisms of Cytomotive Actin and Tubulin Filaments. <i>International Review of Cell and Molecular Biology</i> , 2011, 292, 1-71.	1.6	56
36	The microtubule lattice â€” 20 years on. <i>Trends in Cell Biology</i> , 1995, 5, 48-51.	3.6	45

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37	Re-examination of the Polarity of Microtubules and Sheets Decorated with Kinesin Motor Domain. <i>Journal of Molecular Biology</i> , 1995, 251, 329-333.	2.0	45
38	Helical Tubes of FtsZ from <i>Methanococcus jannaschii</i> . <i>Biological Chemistry</i> , 2000, 381, 993-999.	1.2	40
39	The structure of microtubule-motor complexes. <i>Current Opinion in Cell Biology</i> , 1997, 9, 4-11.	2.6	39
40	Discodermolide interferes with the binding of tau protein to microtubules. <i>FEBS Letters</i> , 2003, 539, 34-36.	1.3	37
41	Three-dimensional image reconstruction of turnip yellow mosaic virus. <i>Journal of Molecular Biology</i> , 1972, 72, 819-822.	2.0	34
42	Structure of the Tubulin/FtsZ-Like Protein TubZ from <i>Pseudomonas Bacteriophage</i> \hat{I} KZ. <i>Journal of Molecular Biology</i> , 2013, 425, 2164-2173.	2.0	31
43	Arrangement of protofilaments in two forms of tubulin crystal induced by vinblastine. <i>Journal of Molecular Biology</i> , 1984, 178, 711-729.	2.0	28
44	Kinesin Light Chain Isoforms in <i>Caenorhabditis elegans</i> . <i>Journal of Molecular Biology</i> , 1994, 240, 507-512.	2.0	27
45	Molecular motors: not quite like clockwork. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 509-515.	2.4	24
46	Antibodies to cytoplasmic dynein heavy chain map the surface and inhibit motility ¹¹ Edited by M. F. Moody. <i>Journal of Molecular Biology</i> , 2001, 307, 1317-1327.	2.0	22
47	Studying the Structure of Microtubules by Electron Microscopy. <i>Methods in Molecular Medicine</i> , 2007, 137, 65-91.	0.8	13
48	3D Electron Microscopy of the Interaction of Kinesin with Tubulin.. <i>Cell Structure and Function</i> , 1999, 24, 277-284.	0.5	12
49	A cool look at the structural changes in kinesin motor domains. <i>Journal of Cell Science</i> , 2007, 120, 3919-3927.	1.2	11
50	Overview of the Diverse Roles of Bacterial and Archaeal Cytoskeletons. <i>Sub-Cellular Biochemistry</i> , 2017, 84, 1-26.	1.0	11
51	Electron microscopy of helical filaments: rediscovering buried treasures in negative stain. <i>BioEssays</i> , 2009, 31, 909-911.	1.2	7
52	The subtle allostery of microtubule dynamics. <i>Nature Structural and Molecular Biology</i> , 2014, 21, 505-506.	3.6	7
53	Movements made visible by microchip technology. <i>Nature</i> , 1987, 330, 211-212.	13.7	6
54	High-Resolution Structural Analysis of the Kinesin-Microtubule Complex by Electron Cryo-Microscopy. <i>Methods in Molecular Biology</i> , 2007, 392, 213-230.	0.4	6

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55	Bending at Microtubule Interfaces. <i>Chemistry and Biology</i> , 2004, 11, 745-747.	6.2	5
56	Spindle Assembly: Kinesin-5 Is in Control. <i>Current Biology</i> , 2008, 18, R1146-R1149.	1.8	5
57	Molecular motors: rocking and rolling. <i>Nature Chemical Biology</i> , 2005, 1, 319-320.	3.9	4
58	Aaron Klug and the revolution in biomolecular structure determination. <i>Trends in Cell Biology</i> , 2004, 14, 148-152.	3.6	3
59	Why do brains need tau (<scp>MAPT</scp>)? <i>FEBS Journal</i> , 2014, 281, iv-v.	2.2	3
60	Image analysis in molecular biology. <i>Physics Bulletin</i> , 1972, 23, 714-715.	0.0	2
61	Negative stain electron microscopy of microtubules and associated motor molecules. <i>Micron and Microscopica Acta</i> , 1991, 22, 395-403.	0.2	2
62	Articulated Tubes. <i>Structure</i> , 2010, 18, 892-894.	1.6	2
63	Sexist ads. <i>Nature</i> , 1986, 321, 106-106.	13.7	1
64	Microtubule Structure and Its Stabilization.. <i>ChemInform</i> , 2004, 35, no.	0.1	1
65	Pressing Levers or Pulling Strings?. <i>Science</i> , 2008, 322, 1647-1648.	6.0	1
66	Kinesin sticks its neck out. <i>Nature Cell Biology</i> , 2000, 2, E15-E16.	4.6	0
67	1P268 Conformational Changes in a Kinesin Motor Kar3 Catalysed by Interaction with Microtubules(9.) Tj ETQq1 1 0.784314 rgBT /Omer Butsuri, 2006, 46, S213.	0.0	0