

Stephen M King

List of Publications by Year in descending order

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91
papers

5,731
citations

76326

40
h-index

79698

73
g-index

93
all docs

93
docs citations

93
times ranked

4837
citing authors

#	ARTICLE	IF	CITATIONS
1	The Proapoptotic Activity of the Bcl-2 Family Member Bim Is Regulated by Interaction with the Dynein Motor Complex. <i>Molecular Cell</i> , 1999, 3, 287-296.	9.7	964
2	Genetic Analysis of the Cytoplasmic Dynein Subunit Families. <i>PLoS Genetics</i> , 2006, 2, e1.	3.5	276
3	CCDC103 mutations cause primary ciliary dyskinesia by disrupting assembly of ciliary dynein arms. <i>Nature Genetics</i> , 2012, 44, 714-719.	21.4	228
4	Brain Cytoplasmic and Flagellar Outer Arm Dyneins Share a Highly Conserved Mr 8,000 Light Chain. <i>Journal of Biological Chemistry</i> , 1996, 271, 19358-19366.	3.4	198
5	Zebrafish Ciliopathy Screen Plus Human Mutational Analysis Identifies C21orf59 and CCDC65 Defects as Causing Primary Ciliary Dyskinesia. <i>American Journal of Human Genetics</i> , 2013, 93, 672-686.	6.2	184
6	The M = 8,000 and 11,000 Outer Arm Dynein Light Chains from <i>Chlamydomonas</i> Flagella Have Cytoplasmic Homologues. <i>Journal of Biological Chemistry</i> , 1995, 270, 11445-11452.	3.4	173
7	Cytoplasmic dynein nomenclature. <i>Journal of Cell Biology</i> , 2005, 171, 411-413.	5.2	171
8	The <i>Chlamydomonas</i> genome project: a decade on. <i>Trends in Plant Science</i> , 2014, 19, 672-680.	8.8	145
9	The light chain composition of chicken brain myosin-Va: Calmodulin, myosin-II essential light chains, and 8-kDa dynein light chain/PIN. <i>Cytoskeleton</i> , 2000, 47, 269-281.	4.4	139
10	Identification of the t Complex-encoded Cytoplasmic Dynein Light Chain Tctex1 in Inner Arm II Supports the Involvement of Flagellar Dyneins in Meiotic Drive. <i>Journal of Cell Biology</i> , 1998, 140, 1137-1147.	5.2	131
11	Dimerization of the Highly Conserved Light Chain Shared by Dynein and Myosin V. <i>Journal of Biological Chemistry</i> , 1997, 272, 20929-20935.	3.4	120
12	Cytoplasmic Dynein Contains a Family of Differentially Expressed Light Chains. <i>Biochemistry</i> , 1998, 37, 15033-15041.	2.5	119
13	<i>Chlamydomonas</i> FAP133 is a dynein intermediate chain associated with the retrograde intraflagellar transport motor. <i>Journal of Cell Science</i> , 2007, 120, 3653-3665.	2.0	113
14	Axonemal Dynein Arms. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a028100.	5.5	109
15	[29] Purification and characterization of <i>Chlamydomonas</i> flagellar dyneins. <i>Methods in Enzymology</i> , 1986, 134, 291-306.	1.0	107
16	An Outer Arm Dynein Conformational Switch Is Required for Metachronal Synchrony of Motile Cilia in Planaria. <i>Molecular Biology of the Cell</i> , 2010, 21, 3669-3679.	2.1	98
17	DNAH6 and Its Interactions with PCD Genes in Heterotaxy and Primary Ciliary Dyskinesia. <i>PLoS Genetics</i> , 2016, 12, e1005821.	3.5	92
18	Two Functional Thioredoxins Containing Redox-sensitive Vicinal Dithiols from the <i>Chlamydomonas</i> Outer Dynein Arm. <i>Journal of Biological Chemistry</i> , 1996, 271, 6283-6291.	3.4	85

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19	A Chlamydomonas Homologue of the Putative Murine t Complex Distorter Tctex-2 Is an Outer Arm Dynein Light Chain. <i>Journal of Cell Biology</i> , 1997, 137, 1081-1090.	5.2	83
20	Modulation of Chlamydomonas reinhardtii flagellar motility by redox poise. <i>Journal of Cell Biology</i> , 2006, 173, 743-754.	5.2	83
21	Light Chain 1 from the Chlamydomonas Outer Dynein Arm Is a Leucine-Rich Repeat Protein Associated with the Motor Domain of the $\hat{1}^3$ Heavy Chain. <i>Biochemistry</i> , 1999, 38, 7253-7264.	2.5	82
22	Solution structure of a dynein motor domain associated light chain. <i>Nature Structural Biology</i> , 2000, 7, 575-579.	9.7	82
23	Molecular basis for the interaction between rabies virus phosphoprotein P and the dynein light chain LC8: dissociation of dynein-binding properties and transcriptional functionality of P. <i>Journal of General Virology</i> , 2001, 82, 2691-2696.	2.9	81
24	A unified taxonomy for ciliary dyneins. <i>Cytoskeleton</i> , 2011, 68, 555-565.	2.0	77
25	Chlamydomonas Outer Arm Dynein Alters Conformation in Response to Ca ²⁺ . <i>Molecular Biology of the Cell</i> , 2007, 18, 3620-3634.	2.1	70
26	The Tctex1/Tctex2 Class of Dynein Light Chains. <i>Journal of Biological Chemistry</i> , 2001, 276, 14366-14373.	3.4	67
27	Rab6 family proteins interact with the dynein light chain protein DYNLRB1. <i>Cytoskeleton</i> , 2008, 65, 183-196.	4.4	66
28	High prevalence of <i>CCDC103</i> p.His154Pro mutation causing primary ciliary dyskinesia disrupts protein oligomerisation and is associated with normal diagnostic investigations. <i>Thorax</i> , 2018, 73, 157-166.	5.6	63
29	WD60/FAP163 is a dynein intermediate chain required for retrograde intraflagellar transport in cilia. <i>Molecular Biology of the Cell</i> , 2013, 24, 2668-2677.	2.1	56
30	Axonemal protofilament ribbons, DM10 domains, and the link to juvenile myoclonic epilepsy. <i>Cytoskeleton</i> , 2006, 63, 245-253.	4.4	54
31	Cooperative binding of the outer arm-docking complex underlies the regular arrangement of outer arm dynein in the axoneme. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 9461-9466.	7.1	52
32	An outer arm dynein light chain acts in a conformational switch for flagellar motility. <i>Journal of Cell Biology</i> , 2009, 186, 283-295.	5.2	51
33	The Oligomeric Outer Dynein Arm Assembly Factor CCDC103 Is Tightly Integrated within the Ciliary Axoneme and Exhibits Periodic Binding to Microtubules. <i>Journal of Biological Chemistry</i> , 2015, 290, 7388-7401.	3.4	51
34	TCTEX1D2 mutations underlie Jeune asphyxiating thoracic dystrophy with impaired retrograde intraflagellar transport. <i>Nature Communications</i> , 2015, 6, 7074.	12.8	51
35	Redox-based control of the γ heavy chain ATPase from Chlamydomonas outer arm dynein. <i>Cytoskeleton</i> , 2002, 52, 131-143.	4.4	48
36	DRC3 connects the N-DRC to dynein γ to regulate flagellar waveform. <i>Molecular Biology of the Cell</i> , 2015, 26, 2788-2800.	2.1	48

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37	An axonemal dynein at the Hybrid Sterility 6 locus: implications for t haplotype-specific male sterility and the evolution of species barriers. <i>Mammalian Genome</i> , 2000, 11, 8-15.	2.2	47
38	Differential Light Chain Assembly Influences Outer Arm Dynein Motor Function. <i>Molecular Biology of the Cell</i> , 2005, 16, 5661-5674.	2.1	47
39	The lissencephaly protein Lis1 is present in motile mammalian cilia and requires outer arm dynein for targeting to <i>Chlamydomonas</i> flagella. <i>Journal of Cell Science</i> , 2007, 120, 858-867.	2.0	46
40	Cilia-based peptidergic signaling. <i>PLoS Biology</i> , 2019, 17, e3000566.	5.6	46
41	A Novel Tctex2-related Light Chain Is Required for Stability of Inner Dynein Arm 11 and Motor Function in the <i>Chlamydomonas</i> Flagellum. <i>Journal of Biological Chemistry</i> , 2004, 279, 21666-21676.	3.4	43
42	Partially Functional Outer-Arm Dynein in a Novel <i>Chlamydomonas</i> Mutant Expressing a Truncated β^3 Heavy Chain. <i>Eukaryotic Cell</i> , 2008, 7, 1136-1145.	3.4	43
43	Analysis of Ciliary Assembly and Function in Planaria. <i>Methods in Enzymology</i> , 2013, 525, 245-264.	1.0	41
44	Integrated control of axonemal dynein AAA+ motors. <i>Journal of Structural Biology</i> , 2012, 179, 222-228.	2.8	38
45	Dyneins Motor on in Plants. <i>Traffic</i> , 2002, 3, 930-931.	2.7	36
46	Association of Lis1 with outer arm dynein is modulated in response to alterations in flagellar motility. <i>Molecular Biology of the Cell</i> , 2012, 23, 3554-3565.	2.1	34
47	Relaxation-Based Structure Refinement and Backbone Molecular Dynamics of the Dynein Motor Domain-Associated Light Chain. <i>Biochemistry</i> , 2003, 42, 57-71.	2.5	33
48	<i>Schmidtea mediterranea</i> . <i>Methods in Cell Biology</i> , 2009, 93, 81-98.	1.1	33
49	<i>Chlamydomonas</i> DYX1C1/PF23 is essential for axonemal assembly and proper morphology of inner dynein arms. <i>PLoS Genetics</i> , 2017, 13, e1006996.	3.5	32
50	Chapter 2 Large-Scale Isolation of <i>Chlamydomonas</i> Flagella. <i>Methods in Cell Biology</i> , 1995, 47, 9-12.	1.1	31
51	Dynein-Independent Functions of DYNLL1/LC8: Redox State Sensing and Transcriptional Control. <i>Science Signaling</i> , 2008, 1, pe51.	3.6	30
52	Proteases Shape the <i>Chlamydomonas</i> Secretome: Comparison to Classical Neuropeptide Processing Machinery. <i>Proteomes</i> , 2018, 6, 36.	3.5	28
53	A bioactive peptide amidating enzyme is required for ciliogenesis. <i>ELife</i> , 2017, 6, .	6.0	28
54	WDR92 is required for axonemal dynein heavy chain stability in cytoplasm. <i>Molecular Biology of the Cell</i> , 2019, 30, 1834-1845.	2.1	26

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55	The molecular anatomy of dynein. <i>Essays in Biochemistry</i> , 2000, 35, 75-87.	4.7	26
56	Organization and regulation of the dynein microtubule motor. <i>Cell Biology International</i> , 2003, 27, 213-215.	3.0	25
57	A prefoldin-associated WD-repeat protein (WDR92) is required for the correct architectural assembly of motile cilia. <i>Molecular Biology of the Cell</i> , 2016, 27, 1204-1209.	2.1	25
58	Consensus nomenclature for dyneins and associated assembly factors. <i>Journal of Cell Biology</i> , 2022, 221, .	5.2	25
59	Early eukaryotic origins for cilia-associated bioactive peptide amidating activity. <i>Journal of Cell Science</i> , 2016, 129, 943-56.	2.0	24
60	Sensing the mechanical state of the axoneme and integration of Ca ²⁺ signaling by outer arm dynein. <i>Cytoskeleton</i> , 2010, 67, 207-213.	2.0	22
61	Fifty years of microtubule sliding in cilia. <i>Molecular Biology of the Cell</i> , 2018, 29, 698-701.	2.1	22
62	Turning dyneins off bends cilia. <i>Cytoskeleton</i> , 2018, 75, 372-381.	2.0	22
63	Identification and molecular characterization of the p24 dynactin light chain. <i>Cytoskeleton</i> , 1998, 41, 154-167.	4.4	21
64	Analysis of killing of growing cells and dormant and germinated spores of <i>Bacillus</i> species by black silicon nanopillars. <i>Scientific Reports</i> , 2017, 7, 17768.	3.3	20
65	Protein-protein interactions between intermediate chains and the docking complex of <i>Chlamydomonas</i> flagellar outer arm dynein. <i>FEBS Letters</i> , 2013, 587, 2143-2149.	2.8	18
66	Microvillar and ciliary defects in zebrafish lacking an actin-binding bioactive peptide amidating enzyme. <i>Scientific Reports</i> , 2018, 8, 4547.	3.3	17
67	Ciliary and cytoskeletal functions of an ancient monooxygenase essential for bioactive amidated peptide synthesis. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 2329-2348.	5.4	17
68	A solid-state control system for dynein-based ciliary/flagellar motility. <i>Journal of Cell Biology</i> , 2013, 201, 173-175.	5.2	16
69	Axonemal dyneins winch the cilium. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 673-674.	8.2	14
70	Functional Architecture of the Outer Arm Dynein Conformational Switch. <i>Journal of Biological Chemistry</i> , 2012, 287, 3108-3122.	3.4	14
71	Cytoplasmic factories for axonemal dynein assembly. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	13
72	Cilia-derived vesicles: An ancient route for intercellular communication. <i>Seminars in Cell and Developmental Biology</i> , 2022, 129, 82-92.	5.0	13

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73	Composition and assembly of axonemal dyneins — This chapter has been updated and modified from the first edition., 2018, , 162-201.		11
74	Planaria as a Model System for the Analysis of Ciliary Assembly and Motility. Methods in Molecular Biology, 2016, 1454, 245-254.	0.9	10
75	General and specific promotion of flagellar assembly by a flagellar nucleoside diphosphate kinase. Molecular Biology of the Cell, 2017, 28, 3029-3042.	2.1	9
76	The outer dynein arm assembly factor CCDC103 forms molecular scaffolds through multiple self-interaction sites. Cytoskeleton, 2020, 77, 25-35.	2.0	9
77	Developmental changes in ciliary composition during gametogenesis in <i>Chlamydomonas</i> . Molecular Biology of the Cell, 2022, 33, mbcE22020033.	2.1	8
78	Accumulation and Release of Rare Earth Ions by Spores of <i>Bacillus</i> Species and the Location of These Ions in Spores. Applied and Environmental Microbiology, 2019, 85, .	3.1	7
79	Heme-binding protein CYB5D1 is a radial spoke component required for coordinated ciliary beating. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, e2015689118.	7.1	7
80	¹ H, ¹⁵ N and ¹³ C resonance assignments for the 22 kDa LC1 light chain from <i>Chlamydomonas</i> outer arm dynein. Journal of Biomolecular NMR, 1999, 13, 309-310.	2.8	6
81	Purification of Axonemal Dyneins and Dynein-Associated Components from <i>Chlamydomonas</i> . Methods in Cell Biology, 2009, 92, 31-48.	1.1	6
82	Trainspotting in a cilium. ELife, 2017, 6, .	6.0	5
83	Cilia Loss and Dynein Assembly Defects in Planaria Lacking an Outer Dynein Arm-Docking Complex Subunit. Zoological Science, 2020, 37, 7.	0.7	5
84	Erythrocyte insulin-like growth factor-I binding in younger and older males. Clinical Endocrinology, 1998, 48, 339-345.	2.4	4
85	Switching dynein motors on and off. Nature Structural and Molecular Biology, 2017, 24, 557-559.	8.2	3
86	Amino Acids Peptidylglycine β -Amidating Monooxygenase (PAM). , 2021, , 88-104.		3
87	Biochemical and Physiological Analysis of Axonemal Dyneins. Methods in Enzymology, 2013, 524, 123-145.	1.0	2
88	Moral Readings of the Court: Discrimination Cases in the U.S. Supreme Court. Public Integrity, 2018, 20, 571-594.	1.0	1
89	Ciliary Doublet Microtubules at Near-Atomic Resolution. Cell, 2019, 179, 805-807.	28.9	1
90	The light chain composition of chicken brain myosin-Va: Calmodulin, myosin-II essential light chains, and 8-kDa dynein light chain/PIN. , 0, .		1

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91	Constitutional Conscience and Plural Ethical Directionality. Public Integrity, 2020, , 1-15.	1.0	0