Stephen M King

List of Publications by Year
in descending order

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	Consensus nomenclature for dyneins and associated assembly factors. Journal of Cell Biology, 2022, 221, .	5.2	25
2	Cilia-derived vesicles: An ancient route for intercellular communication. Seminars in Cell and Developmental Biology, 2022, 129, 82-92.	5.0	13
3	Developmental changes in ciliary composition during gametogenesis in Chlamydomonas. Molecular Biology of the Cell, 2022, 33, mbcE22020033.	2.1	8
4	Amino Acids | Peptidylglycine Î±-Amidating Monooxygenase (PAM). , 2021, , 88-104.		3
5	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
6	Cytoplasmic factories for axonemal dynein assembly. Journal of Cell Science, 2021, 134, .	2.0	13
7	The outer dynein arm assembly factor CCDC103 forms molecular scaffolds through multiple selfâ€interaction sites. Cytoskeleton, 2020, 77, 25-35.	2.0	9
8	Constitutional Conscience and Plural Ethical Directionality. Public Integrity, 2020, , 1-15.	1.0	0
9	Cilia Loss and Dynein Assembly Defects in Planaria Lacking an Outer Dynein Arm-Docking Complex Subunit. Zoological Science, 2020, 37, 7.	0.7	5
10	Accumulation and Release of Rare Earth Ions by Spores of Bacillus Species and the Location of These Ions in Spores. Applied and Environmental Microbiology, 2019, 85, .	3.1	7
11	Ciliary Doublet Microtubules at Near-Atomic Resolution. Cell, 2019, 179, 805-807.	28.9	1
12	WDR92 is required for axonemal dynein heavy chain stability in cytoplasm. Molecular Biology of the Cell, 2019, 30, 1834-1845.	2.1	26
13	Ciliary and cytoskeletal functions of an ancient monooxygenase essential for bioactive amidated peptide synthesis. Cellular and Molecular Life Sciences, 2019, 76, 2329-2348.	5.4	17
14	Cilia-based peptidergic signaling. PLoS Biology, 2019, 17, e3000566.	5.6	46
15	Composition and assembly of axonemal dyneins â^— â^—This chapter has been updated and modified from the first edition.. , 2018, , 162-201.		11
16	Microvillar and ciliary defects in zebrafish lacking an actin-binding bioactive peptide amidating enzyme. Scientific Reports, 2018, 8, 4547.	3.3	17
17	Fifty years of microtubule sliding in cilia. Molecular Biology of the Cell, 2018, 29, 698-701.	2.1	22
18	High prevalence of CCDC103 p.His154Pro mutation causing primary ciliary dyskinesia disrupts protein oligomerisation and is associated with normal diagnostic investigations. Thorax, 2018, 73, 157-166.	5.6	63

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19	Proteases Shape the Chlamydomonas Secretome: Comparison to Classical Neuropeptide Processing Machinery. Proteomes, 2018, 6, 36.	3.5	28
20	Turning dyneins off bends cilia. Cytoskeleton, 2018, 75, 372-381.	2.0	22
21	Moral Readings of the Court: Discrimination Cases in the U.S. Supreme Court. Public Integrity, 2018, 20, 571-594.	1.0	1
22	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
23	Switching dynein motors on and off. Nature Structural and Molecular Biology, 2017, 24, 557-559.	8.2	3
24	Analysis of killing of growing cells and dormant and germinated spores of Bacillus species by black silicon nanopillars. Scientific Reports, 2017, 7, 17768.	3.3	20
25	Trainspotting in a cilium. ELife, 2017, 6, .	6.0	5
26	Chlamydomonas DYX1C1/PF23 is essential for axonemal assembly and proper morphology of inner dynein arms. PLoS Genetics, 2017, 13, e1006996.	3.5	32
27	A bioactive peptide amidating enzyme is required for ciliogenesis. ELife, 2017, 6, .	6.0	28
28	DNAH6 and Its Interactions with PCD Genes in Heterotaxy and Primary Ciliary Dyskinesia. PLoS Genetics, 2016, 12, e1005821.	3.5	92
29	Planaria as a Model System for the Analysis of Ciliary Assembly and Motility. Methods in Molecular Biology, 2016, 1454, 245-254.	0.9	10
30	Axonemal Dynein Arms. Cold Spring Harbor Perspectives in Biology, 2016, 8, a028100.	5.5	109
31	A prefoldin-associated WD-repeat protein (WDR92) is required for the correct architectural assembly of motile cilia. Molecular Biology of the Cell, 2016, 27, 1204-1209.	2.1	25
32	Early eukaryotic origins for cilia-associated bioactive peptide amidating activity. Journal of Cell Science, 2016, 129, 943-56.	2.0	24
33	The Oligomeric Outer Dynein Arm Assembly Factor CCDC103 Is Tightly Integrated within the Ciliary Axoneme and Exhibits Periodic Binding to Microtubules. Journal of Biological Chemistry, 2015, 290, 7388-7401.	3.4	51
34	DRC3 connects the N-DRC to dynein g to regulate flagellar waveform. Molecular Biology of the Cell, 2015, 26, 2788-2800.	2.1	48
35	TCTEX1D2 mutations underlie Jeune asphyxiating thoracic dystrophy with impaired retrograde intraflagellar transport. Nature Communications, 2015, 6, 7074.	12.8	51
36	Cooperative binding of the outer arm-docking complex underlies the regular arrangement of outer arm dynein in the axoneme. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9461-9466.	7.1	52

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37	The Chlamydomonas genome project: a decade on. Trends in Plant Science, 2014, 19, 672-680.	8.8	145
38	Analysis of Ciliary Assembly and Function in Planaria. Methods in Enzymology, 2013, 525, 245-264.	1.0	41
39	Zebrafish Ciliopathy Screen Plus Human Mutational Analysis Identifies C21orf59 and CCDC65 Defects as Causing Primary Ciliary Dyskinesia. American Journal of Human Genetics, 2013, 93, 672-686.	6.2	184
40	Proteinâ€"protein interactions between intermediate chains and the docking complex of Chlamydomonas flagellar outer arm dynein. FEBS Letters, 2013, 587, 2143-2149.	2.8	18
41	Biochemical and Physiological Analysis of Axonemal Dyneins. Methods in Enzymology, 2013, 524, 123-145.	1.0	2
42	A solid-state control system for dynein-based ciliary/flagellar motility. Journal of Cell Biology, 2013, 201, 173-175.	5.2	16
43	WD60/FAP163 is a dynein intermediate chain required for retrograde intraflagellar transport in cilia. Molecular Biology of the Cell, 2013, 24, 2668-2677.	2.1	56
44	Association of Lis1 with outer arm dynein is modulated in response to alterations in flagellar motility. Molecular Biology of the Cell, 2012, 23, 3554-3565.	2.1	34
45	Functional Architecture of the Outer Arm Dynein Conformational Switch. Journal of Biological Chemistry, 2012, 287, 3108-3122.	3.4	14
46	CCDC103 mutations cause primary ciliary dyskinesia by disrupting assembly of ciliary dynein arms. Nature Genetics, 2012, 44, 714-719.	21.4	228
47	Integrated control of axonemal dynein AAA+ motors. Journal of Structural Biology, 2012, 179, 222-228.	2.8	38
48	A unified taxonomy for ciliary dyneins. Cytoskeleton, 2011, 68, 555-565.	2.0	77
49	Sensing the mechanical state of the axoneme and integration of Ca²⁺ signaling by outer arm dynein. Cytoskeleton, 2010, 67, 207-213.	2.0	22
50	Axonemal dyneins winch the cilium. Nature Structural and Molecular Biology, 2010, 17, 673-674.	8.2	14
51	An Outer Arm Dynein Conformational Switch Is Required for Metachronal Synchrony of Motile Cilia in Planaria. Molecular Biology of the Cell, 2010, 21, 3669-3679.	2.1	98
52	An outer arm dynein light chain acts in a conformational switch for flagellar motility. Journal of Cell Biology, 2009, 186, 283-295.	5.2	51
53	Purification of Axonemal Dyneins and Dynein-Associated Components from Chlamydomonas. Methods in Cell Biology, 2009, 92, 31-48.	1.1	6
54	Schmidtea mediterranea. Methods in Cell Biology, 2009, 93, 81-98.	1.1	33

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55	Rab6 family proteins interact with the dynein light chain protein DYNLRB1. Cytoskeleton, 2008, 65, 183-196.	4.4	66
56	Dynein-Independent Functions of DYNLL1/LC8: Redox State Sensing and Transcriptional Control. Science Signaling, 2008, 1, pe51.	3.6	30
57	Partially Functional Outer-Arm Dynein in a Novel Chlamydomonas Mutant Expressing a Truncated Î³ Heavy Chain. Eukaryotic Cell, 2008, 7, 1136-1145.	3.4	43
58	Chlamydomonas FAP133 is a dynein intermediate chain associated with the retrograde intraflagellar transport motor. Journal of Cell Science, 2007, 120, 3653-3665.	2.0	113
59	The lissencephaly protein Lis1 is present in motile mammalian cilia and requires outer arm dynein for targeting to Chlamydomonas flagella. Journal of Cell Science, 2007, 120, 858-867.	2.0	46
60	Chlamydomonas Outer Arm Dynein Alters Conformation in Response to Ca2+. Molecular Biology of the Cell, 2007, 18, 3620-3634.	2.1	70
61	Axonemal protofilament ribbons, DM10 domains, and the link to juvenile myoclonic epilepsy. Cytoskeleton, 2006, 63, 245-253.	4.4	54
62	Genetic Analysis of the Cytoplasmic Dynein Subunit Families. PLoS Genetics, 2006, 2, e1.	3.5	276
63	Modulation of Chlamydomonas reinhardtii flagellar motility by redox poise. Journal of Cell Biology, 2006, 173, 743-754.	5.2	83
64	Differential Light Chain Assembly Influences Outer Arm Dynein Motor Function. Molecular Biology of the Cell, 2005, 16, 5661-5674.	2.1	47
65	Cytoplasmic dynein nomenclature. Journal of Cell Biology, 2005, 171, 411-413.	5.2	171
66	A Novel Tctex2-related Light Chain Is Required for Stability of Inner Dynein Arm I1 and Motor Function in the Chlamydomonas Flagellum. Journal of Biological Chemistry, 2004, 279, 21666-21676.	3.4	43
67	Organization and regulation of the dynein microtubule motor. Cell Biology International, 2003, 27, 213-215.	3.0	25
68	Relaxation-Based Structure Refinement and Backbone Molecular Dynamics of the Dynein Motor Domain-Associated Light Chainâ€. Biochemistry, 2003, 42, 57-71.	2.5	33
69	Redox-based control of the ? heavy chain ATPase fromChlamydomonas outer arm dynein. Cytoskeleton, 2002, 52, 131-143.	4.4	48
70	Dyneins Motor on in Plants. Traffic, 2002, 3, 930-931.	2.7	36
71	The Tctex1/Tctex2 Class of Dynein Light Chains. Journal of Biological Chemistry, 2001, 276, 14366-14373.	3.4	67
72	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. Journal of General Virology, 2001, 82, 2691-2696.	2.9	81

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73	The light chain composition of chicken brain myosin-Va: Calmodulin, myosin-II essential light chains, and 8-kDa dynein light chain/PIN. Cytoskeleton, 2000, 47, 269-281.	4.4	139
74	Solution structure of a dynein motor domain associated light chain. Nature Structural Biology, 2000, 7, 575-579.	9.7	82
75	An axonemal dynein at the Hybrid Sterility 6 locus: implications for t haplotype-specific male sterility and the evolution of species barriers. Mammalian Genome, 2000, 11, 8-15.	2.2	47
76	The molecular anatomy of dynein. Essays in Biochemistry, 2000, 35, 75-87.	4.7	26
77	1H, 15N and 13C resonance assignments for the 22 kDa LC1 light chain from Chlamydomonas outer arm dynein. Journal of Biomolecular NMR, 1999, 13, 309-310.	2.8	6
78	The Proapoptotic Activity of the Bcl-2 Family Member Bim Is Regulated by Interaction with the Dynein Motor Complex. Molecular Cell, 1999, 3, 287-296.	9.7	964
79	Light Chain 1 from the Chlamydomonas Outer Dynein Arm Is a Leucine-Rich Repeat Protein Associated with the Motor Domain of the Î³ Heavy Chain. Biochemistry, 1999, 38, 7253-7264.	2.5	82
80	Identification and molecular characterization of the p24 dynactin light chain. Cytoskeleton, 1998, 41, 154-167.	4.4	21
81	Erythrocyte insulin-like growth factor-I binding in younger and older males. Clinical Endocrinology, 1998, 48, 339-345.	2.4	4
82	Cytoplasmic Dynein Contains a Family of Differentially Expressed Light Chains. Biochemistry, 1998, 37, 15033-15041.	2.5	119
83	Identification of the t Complexâ€“encoded Cytoplasmic Dynein Light Chain Tctex1 in Inner Arm I1 Supports the Involvement of Flagellar Dyneins in Meiotic Drive. Journal of Cell Biology, 1998, 140, 1137-1147.	5.2	131
84	Dimerization of the Highly Conserved Light Chain Shared by Dynein and Myosin V. Journal of Biological Chemistry, 1997, 272, 20929-20935.	3.4	120
85	A Chlamydomonas Homologue of the Putative Murine t Complex Distorter Tctex-2 Is an Outer Arm Dynein Light Chain. Journal of Cell Biology, 1997, 137, 1081-1090.	5.2	83
86	Two Functional Thioredoxins Containing Redox-sensitive Vicinal Dithiols from the Chlamydomonas Outer Dynein Arm. Journal of Biological Chemistry, 1996, 271, 6283-6291.	3.4	85
87	Brain Cytoplasmic and Flagellar Outer Arm Dyneins Share a Highly Conserved Mr 8,000 Light Chain. Journal of Biological Chemistry, 1996, 271, 19358-19366.	3.4	198
88	The M = 8,000 and 11,000 Outer Arm Dynein Light Chains from Chlamydomonas Flagella Have Cytoplasmic Homologues. Journal of Biological Chemistry, 1995, 270, 11445-11452.	3.4	173
89	Chapter 2 Large-Scale Isolation of Chlamydomonas Flagella. Methods in Cell Biology, 1995, 47, 9-12.	1.1	31
90	[29] Purification and characterization of Chlamydomonas flagellar dyneins. Methods in Enzymology, 1986, 134, 291-306.	1.0	107

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91	The light chain composition of chicken brain myosin-Va: Calmodulin, myosin-II essential light chains, and 8-kDa dynein light chain/PIN. , 0, .		1