Andrew P Carter

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1097160/publications.pdf

Version: 2024-02-01

38 papers	9,724 citations	218381 26 h-index	329751 37 g-index
65 all docs	65 docs citations	65 times ranked	7754 citing authors

#	Article	IF	Citations
1	A cryo-ET survey of microtubules and intracellular compartments in mammalian axons. Journal of Cell Biology, 2022, 221, .	2.3	33
2	Bimodal endocytic probe for three-dimensional correlative light and electron microscopy. Cell Reports Methods, 2022, 2, 100220.	1.4	6
3	The Arp1/11 minifilament of dynactin primes the endosomal Arp2/3 complex. Science Advances, 2021, 7, .	4.7	23
4	Furin cleavage of SARS-CoV-2 Spike promotes but is not essential for infection and cell-cell fusion. PLoS Pathogens, 2021, 17, e1009246.	2.1	268
5	Shulin packages axonemal outer dynein arms for ciliary targeting. Science, 2021, 371, 910-916.	6.0	31
6	Cryoâ€EM reveals the complex architecture of dynactin's shoulder region and pointed end. EMBO Journal, 2021, 40, e106164.	3.5	22
7	SARS-CoV-2 Infects the Brain Choroid Plexus and Disrupts the Blood-CSF Barrier in Human Brain Organoids. Cell Stem Cell, 2020, 27, 951-961.e5.	5.2	388
8	A High-Throughput Cellular Screening Assay for Small-Molecule Inhibitors and Activators of Cytoplasmic Dynein-1-Based Cargo Transport. SLAS Discovery, 2020, 25, 985-999.	1.4	4
9	Structure of the dynein-2 complex and its assembly with intraflagellar transport trains. Nature Structural and Molecular Biology, 2019, 26, 823-829.	3.6	91
10	Directionality of dynein is controlled by the angle and length of its stalk. Nature, 2019, 566, 407-410.	13.7	50
11	Cryo-EM of dynein microtubule-binding domains shows how an axonemal dynein distorts the microtubule. ELife, 2019, 8, .	2.8	56
12	The cytoplasmic dynein transport machinery and its many cargoes. Nature Reviews Molecular Cell Biology, 2018, 19, 382-398.	16.1	485
13	Cryo-EM shows how dynactin recruits two dyneins for faster movement. Nature, 2018, 554, 202-206.	13.7	238
14	Mechanism and regulation of dynein motors. , 2018, , 36-51.		2
15	DYNC1H1 mutations associated with neurological diseases compromise processivity of dyneinâ€“dynactinâ€“cargo adaptor complexes. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1597-E1606.	3.3	101
16	Cryo-EM Reveals How Human Cytoplasmic Dynein Is Auto-inhibited and Activated. Cell, 2017, 169, 1303-1314.e18.	13.5	237
17	Localised dynactin protects growing microtubules to deliver oskar mRNA to the posterior cortex of the Drosophila oocyte. ELife, 2017, 6, .	2.8	14
18	Chemical structure-guided design of dynapyrazoles, cell-permeable dynein inhibitors with a unique mode of action. ELife, 2017, 6, .	2.8	31

#	Article	IF	Citations
19	The mammalian dyneinâ€“dynactin complex is a strong opponent to kinesin in a tug-of-war competition. Nature Cell Biology, 2016, 18, 1018-1024.	4.6	164
20	Review: Structure and mechanism of the dynein motor ATPase. Biopolymers, 2016, 105, 557-567.	1.2	100
21	How dynein and dynactin transport cargos: a structural perspective. Current Opinion in Structural Biology, 2016, 37, 62-70.	2.6	115
22	Cytoplasmic Dynein Antagonists with Improved Potency and Isoform Selectivity. ACS Chemical Biology, 2016, 11, 53-60.	1.6	19
23	The structure of the dynactin complex and its interaction with dynein. Science, 2015, 347, 1441-1446.	6.0	389
24	Structure of human cytoplasmic dynein-2 primed for its power stroke. Nature, 2015, 518, 435-438.	13.7	153
25	A structural analysis of the AAA+ domains in Saccharomyces cerevisiae cytoplasmic dynein. Journal of Structural Biology, 2014, 186, 367-375.	1.3	21
26	In vitro reconstitution of a highly processive recombinant human dynein complex. EMBO Journal, 2014, 33, 1855-1868.	3.5	341
27	Crystal clear insights into how the dynein motor moves. Journal of Cell Science, 2013, 126, 705-13.	1.2	80
28	Dynein Family Classification. , 2013, , 552-558.		1
29	Insights into dynein motor domain function from a 3.3-Ã… crystal structure. Nature Structural and Molecular Biology, 2012, 19, 492-497.	3.6	164
30	Crystal Structure of the Dynein Motor Domain. Science, 2011, 331, 1159-1165.	6.0	237
31	Communication between the AAA+ ring and microtubule-binding domain of dyneinThis paper is one of a selection of papers published in this special issue entitled 8th International Conference on AAA Proteins and has undergone the Journal's usual peer review process.. Biochemistry and Cell Biology, 2010, 88, 15-21.	0.9	30
32	Structure and Functional Role of Dynein's Microtubule-Binding Domain. Science, 2008, 322, 1691-1695.	6.0	231
33	Force-Induced Bidirectional Stepping of Cytoplasmic Dynein. Cell, 2007, 131, 952-965.	13.5	361
34	Single-Molecule Analysis of Dynein Processivity and Stepping Behavior. Cell, 2006, 126, 335-348.	13.5	571
35	The Affinity of the Dynein Microtubule-binding Domain Is Modulated by the Conformation of Its Coiled-coil Stalk. Journal of Biological Chemistry, 2005, 280, 23960-23965.	1.6	159
36	Recognition of Cognate Transfer RNA by the 30S Ribosomal Subunit. Science, 2001, 292, 897-902.	6.0	1,085

#	Article	IF	Citations
37	Structure of the 30S ribosomal subunit. Nature, 2000, 407, 327-339.	13.7	1,891
38	Functional insights from the structure of the 30S ribosomal subunit and its interactions with antibiotics. Nature, 2000, 407, 340-348.	13.7	1,477