

David J Owen

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

3,479
citations

304743

22
h-index

501196

28
g-index

32
all docs

32
docs citations

32
times ranked

3719
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Architecture and Functional Model of the Endocytic AP2 Complex. <i>Cell</i> , 2002, 109, 523-535.	28.9	522
2	ADAPTORS FOR CLATHRIN COATS: Structure and Function. <i>Annual Review of Cell and Developmental Biology</i> , 2004, 20, 153-191.	9.4	435
3	A Large-Scale Conformational Change Couples Membrane Recruitment to Cargo Binding in the AP2 Clathrin Adaptor Complex. <i>Cell</i> , 2010, 141, 1220-1229.	28.9	305
4	A structural explanation for the binding of endocytic dileucine motifs by the AP2 complex. <i>Nature</i> , 2008, 456, 976-979.	27.8	280
5	A Structural Explanation for the Binding of Multiple Ligands by the μ -Adaptin Appendage Domain. <i>Cell</i> , 1999, 97, 805-815.	28.9	271
6	CALM Regulates Clathrin-Coated Vesicle Size and Maturation by Directly Sensing and Driving Membrane Curvature. <i>Developmental Cell</i> , 2015, 33, 163-175.	7.0	187
7	AP2 controls clathrin polymerization with a membrane-activated switch. <i>Science</i> , 2014, 345, 459-463.	12.6	185
8	Structure of the membrane-assembled retromer coat determined by cryo-electron tomography. <i>Nature</i> , 2018, 561, 561-564.	27.8	169
9	Molecular Switches Involving the AP-2 μ 2 Appendage Regulate Endocytic Cargo Selection and Clathrin Coat Assembly. <i>Developmental Cell</i> , 2006, 10, 329-342.	7.0	166
10	Vps29 has a phosphoesterase fold that acts as a protein interaction scaffold for retromer assembly. <i>Nature Structural and Molecular Biology</i> , 2005, 12, 594-602.	8.2	136
11	VARP Is Recruited on to Endosomes by Direct Interaction with Retromer, Where Together They Function in Export to the Cell Surface. <i>Developmental Cell</i> , 2014, 29, 591-606.	7.0	110
12	Transient Fcho1/2 α ...Eps15/R α ...AP-2 Nanoclusters Prime the AP-2 Clathrin Adaptor for Cargo Binding. <i>Developmental Cell</i> , 2016, 37, 428-443.	7.0	92
13	Assembly and Solution Structure of the Core Retromer Protein Complex. <i>Traffic</i> , 2011, 12, 56-71.	2.7	76
14	Architecture of the AP2/clathrin coat on the membranes of clathrin-coated vesicles. <i>Science Advances</i> , 2020, 6, eaba8381.	10.3	75
15	The binding of Varp to VAMP7 traps VAMP7 in a closed, fusogenically inactive conformation. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 1300-1309.	8.2	68
16	BLOC-1 and BLOC-3 regulate VAMP7 cycling to and from melanosomes via distinct tubular transport carriers. <i>Journal of Cell Biology</i> , 2016, 214, 293-308.	5.2	67
17	A novel disorder reveals clathrin heavy chain-22 is essential for human pain and touch development. <i>Brain</i> , 2015, 138, 2147-2160.	7.6	58
18	Selective integrin endocytosis is driven by interactions between the integrin β -chain and AP2. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 172-179.	8.2	55

#	ARTICLE	IF	CITATIONS
19	Architecture and mechanism of metazoan retromer:SNX3 tubular coat assembly. <i>Science Advances</i> , 2021, 7, .	10.3	44
20	Temporal Ordering in Endocytic Clathrin-Coated Vesicle Formation via AP2 Phosphorylation. <i>Developmental Cell</i> , 2019, 50, 494-508.e11.	7.0	40
21	Contribution of the clathrin adaptor AP-1 subunit μ 1 to acidic cluster protein sorting. <i>Journal of Cell Biology</i> , 2017, 216, 2927-2943.	5.2	35
22	Structural basis for the binding of tryptophan-based motifs by $\hat{\mu}$ -COP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14242-14247.	7.1	30
23	Mechanism and evolution of the Zn-fingernail required for interaction of VARP with VPS29. <i>Nature Communications</i> , 2020, 11, 5031.	12.8	21
24	Vesicle Transport: A New Player in APP Trafficking. <i>Current Biology</i> , 2010, 20, R413-R415.	3.9	14
25	FCHO controls AP2's initiating role in endocytosis through a PtdIns(4,5)P ₂ -dependent switch. <i>Science Advances</i> , 2022, 8, eabn2018.	10.3	14
26	A BLOC-1-AP-3 super-complex sorts a cis-SNARE complex into endosome-derived tubular transport carriers. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	12
27	Using selenomethionyl derivatives to assign sequence in low-resolution structures of the AP2 clathrin adaptor. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 336-345.	2.3	1
28	Linton Mark Traub (1962-2020). <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	0