

Michael A Welte

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

4,455
citations

26
h-index

46
g-index

46
ext. papers

5,105
ext. citations

10.1
avg, IF

6.14
L-index

#	Paper	IF	Citations
43	PAT proteins, an ancient family of lipid droplet proteins that regulate cellular lipid stores. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009 , 1791, 419-40	5	476
42	Bidirectional transport along microtubules. <i>Current Biology</i> , 2004 , 14, R525-37	6.3	448
41	The lipid-droplet proteome reveals that droplets are a protein-storage depot. <i>Current Biology</i> , 2006 , 16, 1783-95	6.3	378
40	Developmental regulation of vesicle transport in Drosophila embryos: forces and kinetics. <i>Cell</i> , 1998 , 92, 547-57	56.2	321
39	Expanding roles for lipid droplets. <i>Current Biology</i> , 2015 , 25, R470-81	6.3	314
38	Consequences of motor copy number on the intracellular transport of kinesin-1-driven lipid droplets. <i>Cell</i> , 2008 , 135, 1098-107	56.2	280
37	Coordination of opposite-polarity microtubule motors. <i>Journal of Cell Biology</i> , 2002 , 156, 715-24	7.3	236
36	Lipid droplet functions beyond energy storage. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017 , 1862, 1260-1272	5	221
35	Dynein-mediated cargo transport in vivo. A switch controls travel distance. <i>Journal of Cell Biology</i> , 2000 , 148, 945-56	7.3	181
34	Proteins under new management: lipid droplets deliver. <i>Trends in Cell Biology</i> , 2007 , 17, 363-9	18.3	171
33	Lipid droplets control the maternal histone supply of Drosophila embryos. <i>Current Biology</i> , 2012 , 22, 2104-13	6.3	140
32	A new method for manipulating transgenes: engineering heat tolerance in a complex, multicellular organism. <i>Current Biology</i> , 1993 , 3, 842-53	6.3	137
31	Regulation of lipid-droplet transport by the perilipin homolog LSD2. <i>Current Biology</i> , 2005 , 15, 1266-75	6.3	129
30	Lipidomic Analysis of Synuclein Neurotoxicity Identifies Stearoyl CoA Desaturase as a Target for Parkinson Treatment. <i>Molecular Cell</i> , 2019 , 73, 1001-1014.e8	17.6	112
29	Organelle positioning in muscles requires cooperation between two KASH proteins and microtubules. <i>Journal of Cell Biology</i> , 2012 , 198, 833-46	7.3	94
28	Fat on the move: intracellular motion of lipid droplets. <i>Biochemical Society Transactions</i> , 2009 , 37, 991-6	5.1	88
27	A determinant for directionality of organelle transport in Drosophila embryos. <i>Current Biology</i> , 2003 , 13, 1660-8	6.3	86

26	A novel role for lipid droplets in the organismal antibacterial response. <i>ELife</i> , 2012 , 1, e00003	8.9	73
25	A conserved role for Snail as a potentiator of active transcription. <i>Genes and Development</i> , 2014 , 28, 167-181	8.16	57
24	Organelle-specific control of intracellular transport: distinctly targeted isoforms of the regulator Klar. <i>Molecular Biology of the Cell</i> , 2005 , 16, 1406-16	3.5	55
23	Emerging Links between Lipid Droplets and Motor Neuron Diseases. <i>Developmental Cell</i> , 2018 , 45, 427-432	4.2	50
22	Drosophila lipid droplets buffer the H2Av supply to protect early embryonic development. <i>Current Biology</i> , 2014 , 24, 1485-91	6.3	49
21	Overlapping functions of argonaute proteins in patterning and morphogenesis of Drosophila embryos. <i>PLoS Genetics</i> , 2006 , 2, e134	6	42
20	As the fat flies: The dynamic lipid droplets of Drosophila embryos. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015 , 1851, 1156-85	5	33
19	A role for triglyceride lipase brummer in the regulation of sex differences in Drosophila fat storage and breakdown. <i>PLoS Biology</i> , 2020 , 18, e3000595	9.7	31
18	Natural variation of the amino-terminal glutamine-rich domain in Drosophila argonaute2 is not associated with developmental defects. <i>PLoS ONE</i> , 2010 , 5, e15264	3.7	26
17	Targeting the motor regulator Klar to lipid droplets. <i>BMC Cell Biology</i> , 2011 , 12, 9		25
16	Bidirectional transport: matchmaking for motors. <i>Current Biology</i> , 2010 , 20, R410-3	6.3	24
15	A Luciferase-fragment Complementation Assay to Detect Lipid Droplet-associated Protein-Protein Interactions. <i>Molecular and Cellular Proteomics</i> , 2017 , 16, 329-345	7.6	22
14	Developmentally regulated H2Av buffering via dynamic sequestration to lipid droplets in embryos. <i>ELife</i> , 2018 , 7,	8.9	22
13	The basis for a heat-induced developmental defect: defining crucial lesions. <i>Genes and Development</i> , 1995 , 9, 2240-50	12.6	21
12	Lipid droplet motility and organelle contacts. <i>Contact (Thousand Oaks (Ventura County, Calif))</i> , 2019 , 2,	2.6	18
11	Klar ensures thermal robustness of oskar localization by restraining RNP motility. <i>Journal of Cell Biology</i> , 2014 , 206, 199-215	7.3	16
10	PEDF regulates plasticity of a novel lipid-MTOC axis in prostate cancer-associated fibroblasts. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	13
9	Temporal control of bidirectional lipid-droplet motion in Drosophila depends on the ratio of kinesin-1 and its co-factor Halo. <i>Journal of Cell Science</i> , 2016 , 129, 1416-28	5.3	12

8	In-vivo centrifugation of Drosophila embryos. <i>Journal of Visualized Experiments</i> , 2010 ,	1.6	12
7	How Brain Fat Conquers Stress. <i>Cell</i> , 2015 , 163, 269-70	56.2	10
6	Lipid droplet velocity is a microenvironmental sensor of aggressive tumors regulated by V-ATPase and PEDF. <i>Laboratory Investigation</i> , 2019 , 99, 1822-1834	5.9	9
5	Drosophila KASH-domain protein Klarsicht regulates microtubule stability and integrin receptor localization during collective cell migration. <i>Developmental Biology</i> , 2015 , 407, 103-14	3.1	7
4	Novel isoforms of the transport regulator klar. <i>PLoS ONE</i> , 2013 , 8, e55070	3.7	4
3	Author response: A novel role for lipid droplets in the organismal antibacterial response 2012 ,		4
2	Sequestration to lipid droplets promotes histone availability by preventing turnover of excess histones. <i>Development (Cambridge)</i> , 2021 , 148,	6.6	4
1	Sequestration to lipid droplets promotes histone availability by preventing turnover of excess histones		1