Michael A Welte

List of Publications by Year in Descending Order

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	Sequestration to lipid droplets promotes histone availability by preventing turnover of excess histones. *Development (Cambridge)*, **2021**, 148,	6.6	4
42	A role for triglyceride lipase brummer in the regulation of sex differences in Drosophila fat storage and breakdown. *PLoS Biology*, **2020**, 18, e3000595	9.7	31
41	Lipid droplet velocity is a microenvironmental sensor of aggressive tumors regulated by V-ATPase and PEDF. *Laboratory Investigation*, **2019**, 99, 1822-1834	5.9	9
40	Lipid droplet motility and organelle contacts. *Contact (Thousand Oaks (Ventura County, Calif))*, **2019** , 2,	2.6	18
39	Lipidomic Analysis of □Synuclein Neurotoxicity Identifies Stearoyl CoA Desaturase as a Target for Parkinson Treatment. *Molecular Cell*, **2019**, 73, 1001-1014.e8	17.6	112
38	Developmentally regulated H2Av buffering via dynamic sequestration to lipid droplets in embryos. *ELife*, **2018**, 7,	8.9	22
37	Emerging Links between Lipid Droplets and Motor Neuron Diseases. *Developmental Cell*, **2018**, 45, 427-432	12.2	50
36	PEDF regulates plasticity of a novel lipid-MTOC axis in prostate cancer-associated fibroblasts. *Journal of Cell Science*, **2018**, 131,	5.3	13
35	A Luciferase-fragment Complementation Assay to Detect Lipid Droplet-associated Protein-Protein Interactions. *Molecular and Cellular Proteomics*, **2017**, 16, 329-345	7.6	22
34	Lipid droplet functions beyond energy storage. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2017**, 1862, 1260-1272	5	221
33	Temporal control of bidirectional lipid-droplet motion in Drosophila depends on the ratio of kinesin-1 and its co-factor Halo. *Journal of Cell Science*, **2016**, 129, 1416-28	5.3	12
32	As the fat flies: The dynamic lipid droplets of Drosophila embryos. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2015**, 1851, 1156-85	5	33
31	Drosophila KASH-domain protein Klarsicht regulates microtubule stability and integrin receptor localization during collective cell migration. *Developmental Biology*, **2015**, 407, 103-14	3.1	7
30	How Brain Fat Conquers Stress. *Cell*, **2015**, 163, 269-70	56.2	10
29	Expanding roles for lipid droplets. *Current Biology*, **2015**, 25, R470-81	6.3	314
28	A conserved role for Snail as a potentiator of active transcription. *Genes and Development*, **2014**, 28, 167-81	12.6	57
27	Drosophila lipid droplets buffer the H2Av supply to protect early embryonic development. *Current Biology*, **2014**, 24, 1485-91	6.3	49

26	Klar ensures thermal robustness of oskar localization by restraining RNP motility. *Journal of Cell Biology*, **2014**, 206, 199-215	7.3	16
25	Novel isoforms of the transport regulator klar. *PLoS ONE*, **2013**, 8, e55070	3.7	4
24	Lipid droplets control the maternal histone supply of Drosophila embryos. *Current Biology*, **2012**, 22, 2104-13	6.3	140
23	A novel role for lipid droplets in the organismal antibacterial response. *ELife*, **2012**, 1, e00003	8.9	73
22	Organelle positioning in muscles requires cooperation between two KASH proteins and microtubules. *Journal of Cell Biology*, **2012**, 198, 833-46	7.3	94
21	Author response: A novel role for lipid droplets in the organismal antibacterial response **2012**,		4
20	Targeting the motor regulator Klar to lipid droplets. *BMC Cell Biology*, **2011**, 12, 9		25
19	Natural variation of the amino-terminal glutamine-rich domain in Drosophila argonaute2 is not associated with developmental defects. *PLoS ONE*, **2010**, 5, e15264	3.7	26
18	In-vivo centrifugation of Drosophila embryos. *Journal of Visualized Experiments*, **2010**,	1.6	12
17	Bidirectional transport: matchmaking for motors. *Current Biology*, **2010**, 20, R410-3	6.3	24
16	Fat on the move: intracellular motion of lipid droplets. *Biochemical Society Transactions*, **2009**, 37, 991-6	5.1	88
15	PAT proteins, an ancient family of lipid droplet proteins that regulate cellular lipid stores. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2009**, 1791, 419-40	5	476
14	Consequences of motor copy number on the intracellular transport of kinesin-1-driven lipid droplets. *Cell*, **2008**, 135, 1098-107	56.2	280
13	Proteins under new management: lipid droplets deliver. *Trends in Cell Biology*, **2007**, 17, 363-9	18.3	171
12	The lipid-droplet proteome reveals that droplets are a protein-storage depot. *Current Biology*, **2006**, 16, 1783-95	6.3	378
11	Overlapping functions of argonaute proteins in patterning and morphogenesis of Drosophila embryos. *PLoS Genetics*, **2006**, 2, e134	6	42
10	Regulation of lipid-droplet transport by the perilipin homolog LSD2. *Current Biology*, **2005**, 15, 1266-75	6.3	129
9	Organelle-specific control of intracellular transport: distinctly targeted isoforms of the regulator Klar. *Molecular Biology of the Cell*, **2005**, 16, 1406-16	3.5	55

8	Bidirectional transport along microtubules. *Current Biology*, **2004**, 14, R525-37	6.3	448
7	A determinant for directionality of organelle transport in Drosophila embryos. *Current Biology*, **2003**, 13, 1660-8	6.3	86
6	Coordination of opposite-polarity microtubule motors. *Journal of Cell Biology*, **2002**, 156, 715-24	7.3	236
5	Dynein-mediated cargo transport in vivo. A switch controls travel distance. *Journal of Cell Biology*, **2000**, 148, 945-56	7.3	181
4	Developmental regulation of vesicle transport in Drosophila embryos: forces and kinetics. *Cell*, **1998**, 92, 547-57	56.2	321
3	The basis for a heat-induced developmental defect: defining crucial lesions. *Genes and Development* , **1995**, 9, 2240-50	12.6	21
2	A new method for manipulating transgenes: engineering heat tolerance in a complex, multicellular organism. *Current Biology*, **1993**, 3, 842-53	6.3	137
1	Sequestration to lipid droplets promotes histone availability by preventing turnover of excess histones		1