

# Michael A Welte

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/354867/publications.pdf>

Version: 2024-02-01

42  
papers

5,560  
citations

201658

27  
h-index

265191

42  
g-index

46  
all docs

46  
docs citations

46  
times ranked

6025  
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 419-440.	2.4	571
2	Bidirectional Transport along Microtubules. <i>Current Biology</i> , 2004, 14, R525-R537.	3.9	500
3	The Lipid-Droplet Proteome Reveals that Droplets Are a Protein-Storage Depot. <i>Current Biology</i> , 2006, 16, 1783-1795.	3.9	427
4	Expanding Roles for Lipid Droplets. <i>Current Biology</i> , 2015, 25, R470-R481.	3.9	422
5	Lipid droplet functions beyond energy storage. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 1260-1272.	2.4	402
6	Developmental Regulation of Vesicle Transport in <i>Drosophila</i> Embryos: Forces and Kinetics. <i>Cell</i> , 1998, 92, 547-557.	28.9	368
7	Consequences of Motor Copy Number on the Intracellular Transport of Kinesin-1-Driven Lipid Droplets. <i>Cell</i> , 2008, 135, 1098-1107.	28.9	320
8	Coordination of opposite-polarity microtubule motors. <i>Journal of Cell Biology</i> , 2002, 156, 715-724.	5.2	254
9	Dynein-Mediated Cargo Transport in Vivo. <i>Journal of Cell Biology</i> , 2000, 148, 945-956.	5.2	211
10	Proteins under new management: lipid droplets deliver. <i>Trends in Cell Biology</i> , 2007, 17, 363-369.	7.9	185
11	Lipid Droplets Control the Maternal Histone Supply of <i>Drosophila</i> Embryos. <i>Current Biology</i> , 2012, 22, 2104-2113.	3.9	185
12	Lipidomic Analysis of $\alpha$ -Synuclein Neurotoxicity Identifies Stearoyl CoA Desaturase as a Target for Parkinson Treatment. <i>Molecular Cell</i> , 2019, 73, 1001-1014.e8.	9.7	173
13	A new method for manipulating transgenes: engineering heat tolerance in a complex, multicellular organism. <i>Current Biology</i> , 1993, 3, 842-853.	3.9	164
14	Regulation of Lipid-Droplet Transport by the Perilipin Homolog LSD2. <i>Current Biology</i> , 2005, 15, 1266-1275.	3.9	149
15	Organelle positioning in muscles requires cooperation between two KASH proteins and microtubules. <i>Journal of Cell Biology</i> , 2012, 198, 833-846.	5.2	119
16	Fat on the move: intracellular motion of lipid droplets. <i>Biochemical Society Transactions</i> , 2009, 37, 991-996.	3.4	107
17	A novel role for lipid droplets in the organismal antibacterial response. <i>ELife</i> , 2012, 1, e00003.	6.0	98
18	A Determinant for Directionality of Organelle Transport in <i>Drosophila</i> Embryos. <i>Current Biology</i> , 2003, 13, 1660-1668.	3.9	94

#	ARTICLE	IF	CITATIONS
19	Emerging Links between Lipid Droplets and Motor Neuron Diseases. <i>Developmental Cell</i> , 2018, 45, 427-432.	7.0	77
20	A role for triglyceride lipase brummer in the regulation of sex differences in <i>Drosophila</i> fat storage and breakdown. <i>PLoS Biology</i> , 2020, 18, e3000595.	5.6	75
21	A conserved role for Snail as a potentiator of active transcription. <i>Genes and Development</i> , 2014, 28, 167-181.	5.9	73
22	<i>Drosophila</i> Lipid Droplets Buffer the H2Av Supply to Protect Early Embryonic Development. <i>Current Biology</i> , 2014, 24, 1485-1491.	3.9	70
23	Organelle-specific Control of Intracellular Transport: Distinctly Targeted Isoforms of the Regulator Klar. <i>Molecular Biology of the Cell</i> , 2005, 16, 1406-1416.	2.1	61
24	Overlapping Functions of Argonaute Proteins in Patterning and Morphogenesis of <i>Drosophila</i> Embryos. <i>PLoS Genetics</i> , 2006, 2, e134.	3.5	48
25	As the fat flies: The dynamic lipid droplets of <i>Drosophila</i> embryos. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 1156-1185.	2.4	43
26	Lipid Droplet Motility and Organelle Contacts. <i>Contact (Thousand Oaks (Ventura County, Calif))</i> , 2019, 2, 251525641989568.	1.3	36
27	Developmentally regulated H2Av buffering via dynamic sequestration to lipid droplets in <i>Drosophila</i> embryos. <i>ELife</i> , 2018, 7, .	6.0	34
28	Natural Variation of the Amino-Terminal Glutamine-Rich Domain in <i>Drosophila</i> Argonaute2 Is Not Associated with Developmental Defects. <i>PLoS ONE</i> , 2010, 5, e15264.	2.5	32
29	Targeting the motor regulator Klar to lipid droplets. <i>BMC Cell Biology</i> , 2011, 12, 9.	3.0	31
30	Klar ensures thermal robustness of <i>oskar</i> localization by restraining RNP motility. <i>Journal of Cell Biology</i> , 2014, 206, 199-215.	5.2	27
31	The basis for a heat-induced developmental defect: defining crucial lesions.. <i>Genes and Development</i> , 1995, 9, 2240-2250.	5.9	25
32	Bidirectional Transport: Matchmaking for Motors. <i>Current Biology</i> , 2010, 20, R410-R413.	3.9	25
33	A Luciferase-fragment Complementation Assay to Detect Lipid Droplet-associated Protein-Protein Interactions. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 329-345.	3.8	24
34	PEDF regulates plasticity of a novel lipid-MTOC axis in prostate cancer associated fibroblasts. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	21
35	<i>In-vivo</i> Centrifugation of <i>Drosophila</i> Embryos. <i>Journal of Visualized Experiments</i> , 2010, , .	0.3	17
36	Lipid droplet velocity is a microenvironmental sensor of aggressive tumors regulated by V-ATPase and PEDF. <i>Laboratory Investigation</i> , 2019, 99, 1822-1834.	3.7	17

#	ARTICLE	IF	CITATIONS
37	Sequestration to lipid droplets promotes histone availability by preventing turnover of excess histones. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	17
38	Temporal control of bidirectional lipid-droplet motion depends on the ratio of kinesin-1 and its cofactor Halo. <i>Journal of Cell Science</i> , 2016, 129, 1416-28.	2.0	16
39	How Brain Fat Conquers Stress. <i>Cell</i> , 2015, 163, 269-270.	28.9	14
40	Drosophila KASH-domain protein Klarsicht regulates microtubule stability and integrin receptor localization during collective cell migration. <i>Developmental Biology</i> , 2015, 407, 103-114.	2.0	10
41	Novel Isoforms of the Transport Regulator Klar. <i>PLoS ONE</i> , 2013, 8, e55070.	2.5	4
42	Visualizing Cytoskeleton-Dependent Trafficking of Lipid-Containing Organelles in <i>Drosophila</i> Embryos. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	3