

Michael J Clague

List of Publications by Year in descending order

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130
papers

19,970
citations

31902

53
h-index

14702

127
g-index

141
all docs

141
docs citations

141
times ranked

30959
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
3	Breaking the chains: structure and function of the deubiquitinases. <i>Nature Reviews Molecular Cell Biology</i> , 2009, 10, 550-563.	16.1	1,722
4	Mammalian Atg18 (WIPI2) localizes to omegasome-anchored phagophores and positively regulates LC3 lipidation. <i>Autophagy</i> , 2010, 6, 506-522.	4.3	566
5	Breaking the chains: deubiquitylating enzyme specificity begets function. <i>Nature Reviews Molecular Cell Biology</i> , 2019, 20, 338-352.	16.1	512
6	Ubiquitin: Same Molecule, Different Degradation Pathways. <i>Cell</i> , 2010, 143, 682-685.	13.5	449
7	Deubiquitylases From Genes to Organism. <i>Physiological Reviews</i> , 2013, 93, 1289-1315.	13.1	350
8	AMSH is an endosome-associated ubiquitin isopeptidase. <i>Journal of Cell Biology</i> , 2004, 166, 487-492.	2.3	337
9	Molecular basis of USP7 inhibition by selective small-molecule inhibitors. <i>Nature</i> , 2017, 550, 481-486.	13.7	332
10	Turnover of the Human Proteome: Determination of Protein Intracellular Stability by Dynamic SILAC. <i>Journal of Proteome Research</i> , 2009, 8, 104-112.	1.8	294
11	The demographics of the ubiquitin system. <i>Trends in Cell Biology</i> , 2015, 25, 417-426.	3.6	255
12	Membrane Fusion. <i>Chemical Reviews</i> , 2003, 103, 53-70.	23.0	254
13	Basal mitophagy is widespread in <i>Drosophila</i> but minimally affected by loss of Pink1 or parkin. <i>Journal of Cell Biology</i> , 2018, 217, 1613-1622.	2.3	253
14	Endocytosis: the DUB version. <i>Trends in Cell Biology</i> , 2006, 16, 551-559.	3.6	235
15	Phosphatidylinositol-5-Phosphate Activation and Conserved Substrate Specificity of the Myotubularin Phosphatidylinositol 3-Phosphatases. <i>Current Biology</i> , 2003, 13, 504-509.	1.8	218
16	The Ubiquitin Isopeptidase UBPY Regulates Endosomal Ubiquitin Dynamics and Is Essential for Receptor Down-regulation. <i>Journal of Biological Chemistry</i> , 2006, 281, 12618-12624.	1.6	216
17	Involvement of the endosomal autoantigen EEA1 in homotypic fusion of early endosomes. <i>Current Biology</i> , 1998, 8, 881-884.	1.8	213
18	Activation of the Endosome-Associated Ubiquitin Isopeptidase AMSH by STAM, a Component of the Multivesicular Body-Sorting Machinery. <i>Current Biology</i> , 2006, 16, 160-165.	1.8	190

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19	Cellular functions of the DUBs. <i>Journal of Cell Science</i> , 2012, 125, 277-286.	1.2	188
20	PIKfyve Regulation of Endosome-Linked Pathways. <i>Traffic</i> , 2009, 10, 883-893.	1.3	186
21	Molecular aspects of the endocytic pathway. <i>Biochemical Journal</i> , 1998, 336, 271-282.	1.7	175
22	The UIM domain of Hrs couples receptor sorting to vesicle formation. <i>Journal of Cell Science</i> , 2003, 116, 4169-4179.	1.2	164
23	Down-regulation of MET, the receptor for hepatocyte growth factor. <i>Oncogene</i> , 2001, 20, 2761-2770.	2.6	159
24	Governance of Endocytic Trafficking and Signaling by Reversible Ubiquitylation. <i>Developmental Cell</i> , 2012, 23, 457-467.	3.1	159
25	Characterization of MTMR3. <i>Current Biology</i> , 2001, 11, 1600-1605.	1.8	141
26	Emerging roles of deubiquitinases in cancer-associated pathways. <i>IUBMB Life</i> , 2010, 62, 140-157.	1.5	141
27	The MIT Domain of UBPY Constitutes a CHMP Binding and Endosomal Localization Signal Required for Efficient Epidermal Growth Factor Receptor Degradation. <i>Journal of Biological Chemistry</i> , 2007, 282, 30929-30937.	1.6	136
28	<sc>USP</sc> 30 deubiquitylates mitochondrial <sc>P</sc> arkin substrates and restricts apoptotic cell death. <i>EMBO Reports</i> , 2015, 16, 618-627.	2.0	136
29	Dual role of <sc>USP</sc> 30 in controlling basal pexophagy and mitophagy. <i>EMBO Reports</i> , 2018, 19, .	2.0	135
30	Systematic characterization of deubiquitylating enzymes for roles in maintaining genome integrity. <i>Nature Cell Biology</i> , 2014, 16, 1016-1026.	4.6	134
31	The interface of receptor trafficking and signalling. <i>Journal of Cell Science</i> , 2001, 114, 3075-3081.	1.2	125
32	Endosomal Localization and Receptor Dynamics Determine Tyrosine Phosphorylation of Hepatocyte Growth Factor-Regulated Tyrosine Kinase Substrate. <i>Molecular and Cellular Biology</i> , 2000, 20, 7685-7692.	1.1	114
33	Gating kinetics of pH-activated membrane fusion of vesicular stomatitis virus with cells: stopped-flow measurements by dequenching of octadecylrhodamine fluorescence. <i>Biochemistry</i> , 1990, 29, 1303-1308.	1.2	109
34	Systematic survey of deubiquitinase localization identifies USP21 as a regulator of centrosome- and microtubule-associated functions. <i>Molecular Biology of the Cell</i> , 2012, 23, 1095-1103.	0.9	106
35	Endosomal Dynamics of Met Determine Signaling Output. <i>Molecular Biology of the Cell</i> , 2003, 14, 1346-1354.	0.9	104
36	Delay time for influenza virus hemagglutinin-induced membrane fusion depends on hemagglutinin surface density. <i>Journal of Virology</i> , 1991, 65, 2402-2407.	1.5	100

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37	Calcium and calmodulin in membrane fusion. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2003, 1641, 137-143.	1.9	99
38	The interface of receptor trafficking and signalling. <i>Journal of Cell Science</i> , 2001, 114, 3075-81.	1.2	98
39	Ras isoform abundance and signalling in human cancer cell lines. <i>Oncogene</i> , 2008, 27, 2754-2762.	2.6	92
40	The Myotubularin Family of Lipid Phosphatases. <i>Traffic</i> , 2005, 6, 1063-1069.	1.3	90
41	Differential redox regulation within the PTP superfamily. <i>Cellular Signalling</i> , 2007, 19, 1521-1530.	1.7	89
42	Systematic analysis of myotubularins: heteromeric interactions, subcellular localisation and endosomerelated functions. <i>Journal of Cell Science</i> , 2006, 119, 2953-2959.	1.2	85
43	Quantitative proteomic analysis of Parkin substrates in <i>Drosophila</i> neurons. <i>Molecular Neurodegeneration</i> , 2017, 12, 29.	4.4	77
44	Phosphatidylinositol 3-kinase regulation of fluid phase endocytosis. <i>FEBS Letters</i> , 1995, 367, 272-274.	1.3	74
45	USP30 sets a trigger threshold for PINK1â€™PARKIN amplification of mitochondrial ubiquitylation. <i>Life Science Alliance</i> , 2020, 3, e202000768.	1.3	72
46	Regulation of intracellular membrane transport. <i>Current Opinion in Cell Biology</i> , 1992, 4, 593-599.	2.6	69
47	Ubiquitin code assembly and disassembly. <i>Current Biology</i> , 2014, 24, R215-R220.	1.8	68
48	Analysis of phosphoinositide binding domain properties within the myotubularin-related protein MTMR3. <i>Journal of Cell Science</i> , 2005, 118, 2005-2012.	1.2	67
49	Differential Reprogramming of Isogenic Colorectal Cancer Cells by Distinct Activating KRAS Mutations. <i>Journal of Proteome Research</i> , 2015, 14, 1535-1546.	1.8	65
50	The deubiquitylase Ataxin-3 restricts PTEN transcription in lung cancer cells. <i>Oncogene</i> , 2014, 33, 4265-4272.	2.6	60
51	Leakage of internal markers from erythrocytes and lipid vesicles induced by melittin, gramicidin S and alamethicin: a comparative study. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990, 1030, 1-10.	1.4	58
52	The Met Receptor Degradation Pathway. <i>Journal of Biological Chemistry</i> , 2004, 279, 52835-52839.	1.6	58
53	Effect of erythrocyte transbilayer phospholipid distribution on fusion with vesicular stomatitis virus. <i>Biochemistry</i> , 1990, 29, 4054-4058.	1.2	56
54	A comparative study of band 3 aggregation in erythrocyte membranes by melittin and other cationic agents. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1989, 980, 93-99.	1.4	55

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55	A Chlamydia effector combining deubiquitination and acetylation activities induces Golgi fragmentation. <i>Nature Microbiology</i> , 2018, 3, 1377-1384.	5.9	55
56	Phosphorylation of GDI and membrane cycling of rab proteins. <i>FEBS Letters</i> , 1993, 329, 313-318.	1.3	53
57	Regulation of endosome fusion. <i>Molecular Membrane Biology</i> , 1999, 16, 73-79.	2.0	52
58	Hrs function: viruses provide the clue. <i>Trends in Cell Biology</i> , 2003, 13, 603-606.	3.6	52
59	Meta-stability of the hemifusion intermediate induced by glycosylphosphatidylinositol-anchored influenza hemagglutinin. <i>Biophysical Journal</i> , 1997, 73, 2280-2291.	0.2	51
60	Growth factors induce differential phosphorylation profiles of the Hrs-STAM complex: a common node in signalling networks with signal-specific properties. <i>Biochemical Journal</i> , 2005, 389, 629-636.	1.7	51
61	Interaction of influenza hemagglutinin amino-terminal peptide with phospholipid vesicles: a fluorescence study. <i>Biochemistry</i> , 1991, 30, 5491-5497.	1.2	50
62	A long-lived state for influenza virus-erythrocyte complexes committed to fusion at neutral pH. <i>FEBS Letters</i> , 1992, 311, 221-225.	1.3	50
63	Deubiquitinase Activities Required for Hepatocyte Growth Factor-Induced Scattering of Epithelial Cells. <i>Current Biology</i> , 2009, 19, 1463-1466.	1.8	50
64	A Dissection of Steps Leading to Viral Envelope Protein-Mediated Membrane Fusion. <i>Annals of the New York Academy of Sciences</i> , 1991, 635, 285-296.	1.8	49
65	Inhibition of Endosome Fusion by Wortmannin Persists in the Presence of Activated rab5. <i>Molecular Biology of the Cell</i> , 1998, 9, 323-332.	0.9	48
66	Quantitative Analysis of HGF and EGF-Dependent Phosphotyrosine Signaling Networks. <i>Journal of Proteome Research</i> , 2010, 9, 2734-2742.	1.8	48
67	Loss of the deubiquitylase BAP1 alters class I histone deacetylase expression and sensitivity of mesothelioma cells to HDAC inhibitors. <i>Oncotarget</i> , 2015, 6, 13757-13771.	0.8	48
68	HRS-WASH axis governs actin-mediated endosomal recycling and cell invasion. <i>Journal of Cell Biology</i> , 2018, 217, 2549-2564.	2.3	46
69	Annexins in the endocytic pathway. <i>Trends in Biochemical Sciences</i> , 1994, 19, 231-232.	3.7	45
70	Direct and Indirect Control of Mitogen-activated Protein Kinase Pathway-associated Components, BRAP/IMP E3 Ubiquitin Ligase and CRAF/RAF1 Kinase, by the Deubiquitylating Enzyme USP15. <i>Journal of Biological Chemistry</i> , 2012, 287, 43007-43018.	1.6	44
71	The deubiquitylase USP15 stabilizes newly synthesized REST and rescues its expression at mitotic exit. <i>Cell Cycle</i> , 2013, 12, 1964-1977.	1.3	44
72	Regulation of ErbB2 Receptor Status by the Proteasomal DUB POH1. <i>PLoS ONE</i> , 2009, 4, e5544.	1.1	42

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73	Phosphoinositides and the endocytic pathway. <i>Experimental Cell Research</i> , 2009, 315, 1627-1631.	1.2	41
74	Phosphatome profiling reveals PTPN2, PTPRJ and PTEN as potent negative regulators of PKB/Akt activation in Ras-mutated cancer cells. <i>Biochemical Journal</i> , 2010, 426, 65-72.	1.7	39
75	Integration of cellular ubiquitin and membrane traffic systems: focus on deubiquitylases. <i>FEBS Journal</i> , 2017, 284, 1753-1766.	2.2	36
76	Membrane Transport: A Coat for Ubiquitin. <i>Current Biology</i> , 2002, 12, R529-R531.	1.8	35
77	Absolute Quantification of Endogenous Ras Isoform Abundance. <i>PLoS ONE</i> , 2015, 10, e0142674.	1.1	34
78	Inhibition of Calcium-independent Mannose 6-Phosphate Receptor Incorporation into trans-Golgi Network-derived Clathrin-coated Vesicles by Wortmannin. <i>Journal of Biological Chemistry</i> , 1997, 272, 24170-24175.	1.6	31
79	Membrane transport: Take your fusion partners. <i>Current Biology</i> , 1999, 9, R258-R260.	1.8	30
80	The centrosomal Deubiquitylase USP21 regulates Gli1 transcriptional activity and stability.. <i>Journal of Cell Science</i> , 2016, 129, 4001-4013.	1.2	30
81	Met Receptor: A Moving Target. <i>Science Signaling</i> , 2011, 4, pe40.	1.6	29
82	The deubiquitylase USP15 regulates topoisomerase II alpha to maintain genome integrity. <i>Oncogene</i> , 2018, 37, 2326-2342.	2.6	29
83	Protein degradation on the global scale. <i>Molecular Cell</i> , 2022, 82, 1414-1423.	4.5	29
84	Inhibition of mitogen-induced DNA synthesis by bafilomycin A1 in Swiss 3T3 fibroblasts. <i>Biochemical Journal</i> , 1996, 313, 65-70.	1.7	28
85	Control of growth factor receptor dynamics by reversible ubiquitination. <i>Biochemical Society Transactions</i> , 2006, 34, 754-756.	1.6	25
86	<sc>USP8</sc> Controls the Trafficking and Sorting of Lysosomal Enzymes. <i>Traffic</i> , 2014, 15, 879-888.	1.3	25
87	USP28 deletion and small-molecule inhibition destabilizes c-MYC and elicits regression of squamous cell lung carcinoma. <i>ELife</i> , 2021, 10, .	2.8	25
88	Benchmarking a highly selective USP30 inhibitor for enhancement of mitophagy and pexophagy. <i>Life Science Alliance</i> , 2022, 5, e202101287.	1.3	25
89	Isoform-specific Localization of the Deubiquitinase USP33 to the Golgi Apparatus. <i>Traffic</i> , 2011, 12, 1563-1574.	1.3	24
90	Localization of a Class II Phosphatidylinositol 3-Kinase, PI3KC2Î±, to Clathrin-Coated Vesicles. <i>Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications</i> , 1999, 1, 162-166.	1.7	23

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91	Structural variability of the ubiquitin specific protease DUSP-UBL double domains. FEBS Letters, 2011, 585, 3385-3390.	1.3	23
92	Cytoskeletal restraints of band 3 rotational mobility in human erythrocyte membranes. Biochimica Et Biophysica Acta - Biomembranes, 1989, 981, 43-50.	1.4	22
93	Transient dichroism studies of spectrin rotational diffusion in solution and bound to erythrocyte membranes. Biochemistry, 1990, 29, 3898-3904.	1.2	22
94	PIM2 Kinase Is Induced by Cisplatin in Ovarian Cancer Cells and Limits Drug Efficacy. Journal of Proteome Research, 2014, 13, 4970-4982.	1.8	22
95	Dysregulation of the Met pathway in non-small cell lung cancer: implications for drug targeting and resistance. Translational Lung Cancer Research, 2015, 4, 242-52.	1.3	22
96	Enhancement of viral fusion by nonadsorbing polymers. Biophysical Journal, 1993, 65, 528-534.	0.2	21
97	The deubiquitylase USP9X controls ribosomal stalling. Journal of Cell Biology, 2021, 220, .	2.3	20
98	Multivesicular bodies. Current Biology, 2008, 18, R402-R404.	1.8	17
99	Ab initio protein modelling reveals novel human MIT domains. FEBS Letters, 2009, 583, 872-878.	1.3	17
100	Role of Target Membrane Structure in Fusion with Influenza Virus: Effect of Modulating Erythrocyte Transbilayer Phospholipid Distribution. Membrane Biochemistry, 1993, 10, 3-15.	0.6	16
101	Detection of thiol modification following generation of reactive nitrogen species: analysis of synaptic vesicle proteins. Biochimica Et Biophysica Acta - General Subjects, 2000, 1475, 281-286.	1.1	16
102	Global Snapshot of the Influence of Endocytosis upon EGF Receptor Signaling Output. Journal of Proteome Research, 2012, 11, 5157-5166.	1.8	16
103	Glutamate uptake occurs at an early stage of synaptic vesicle recycling. Current Biology, 1997, 7, 353-356.	1.8	15
104	Selective protein degradation in cell signalling. Seminars in Cell and Developmental Biology, 2012, 23, 509-514.	2.3	15
105	Parkinson's Disease: A Traffic Jam?. Current Biology, 2016, 26, R332-R334.	1.8	15
106	Regulation of Early Endosome Fusion by Phospholipase D Activity. Biochemical and Biophysical Research Communications, 1997, 236, 285-288.	1.0	14
107	Deciphering histone 2A deubiquitination. Genome Biology, 2008, 9, 202.	13.9	14
108	Oxidation controls the DUB step. Nature, 2013, 497, 49-50.	13.7	14

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109	Combined Analyses of the VHL and Hypoxia Signaling Axes in an Isogenic Pairing of Renal Clear Cell Carcinoma Cells. <i>Journal of Proteome Research</i> , 2015, 14, 5263-5272.	1.8	12
110	Plasticity of Mammary Cell Boundaries Governed by EGF and Actin Remodeling. <i>Cell Reports</i> , 2014, 8, 1722-1730.	2.9	11
111	The Role of BCA2 in the Endocytic Trafficking of EGFR and Significance as a Prognostic Biomarker in Cancer. <i>Journal of Cancer</i> , 2016, 7, 2388-2407.	1.2	11
112	I-proteins “ a proposed switch in myotubularin function. <i>Trends in Biochemical Sciences</i> , 2004, 29, 58-61.	3.7	10
113	New aspects of USP30 biology in the regulation of pexophagy. <i>Autophagy</i> , 2019, 15, 1634-1637.	4.3	10
114	Membrane Traffic: Catching the Lysosome Express. <i>Current Biology</i> , 2006, 16, R416-R418.	1.8	9
115	The PINK1 repertoire: Not just a one trick pony. <i>BioEssays</i> , 2021, 43, e2100168.	1.2	9
116	[21] Kinetics of fusion of enveloped viruses with cells. <i>Methods in Enzymology</i> , 1993, 220, 277-287.	0.4	8
117	Regulation of early-endosome dynamics by phosphatidylinositol 3-phosphate binding proteins. <i>Biochemical Society Transactions</i> , 1999, 27, 662-666.	1.6	6
118	Membrane compartmentalisation of the ubiquitin system. <i>Seminars in Cell and Developmental Biology</i> , 2022, 132, 171-184.	2.3	6
119	Data mining for traffic information. <i>Traffic</i> , 2020, 21, 162-168.	1.3	5
120	Immobilization of band 3 protein and inhibition of melittin action by divalent cations. <i>Biochemical Society Transactions</i> , 1986, 14, 883-884.	1.6	4
121	Membrane transport: Deciphering fusion. <i>Current Biology</i> , 2000, 10, R750-R752.	1.8	3
122	Electron Transfer and Conformation States in Bovine Cytochrome c Oxidase. <i>Annals of the New York Academy of Sciences</i> , 1988, 550, 167-176.	1.8	2
123	Multi-story Parkin. <i>Oncotarget</i> , 2017, 8, 50327-50328.	0.8	2
124	Transient dichroism measurements on eosin-labelled ankyrin rebound to stripped erythrocyte membrane. <i>Biochemical Society Transactions</i> , 1987, 15, 864-865.	1.6	1
125	Responsibility of scientists. <i>Nature</i> , 1988, 336, 418-418.	13.7	0
126	Membrane Fusion. <i>ChemInform</i> , 2003, 34, no.	0.1	0

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127	The MIT domain of UBPY constitutes a CHMP binding and endosomal localization signal required for efficient epidermal growth factor receptor degradation. VOLUME 282 (2007) PAGES 30929-30937. Journal of Biological Chemistry, 2009, 284, 8207.	1.6	0
128	Regulation of Endocytic Trafficking and Signalling by Deubiquitylating Enzymes. , 2013, , 245-259.		0
129	Regulation of Early Endosome Fusion In Vitro. , 1993, , 215-228.		0
130	Abstract B30: Differential network reprogramming by distinct activating K-Ras mutations. , 2014, , .		0