

Howard Riezman

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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.

193 papers	16,733 citations	70 h-index	126 g-index
261 ext. papers	18,689 ext. citations	10.2 avg, IF	6.81 L-index

#	Paper	IF	Citations
193	Proteasome-independent functions of ubiquitin in endocytosis and signaling. <i>Science</i> , 2007 , 315, 201-5	33.3	924
192	Coatmer is essential for retrieval of dilysine-tagged proteins to the endoplasmic reticulum. <i>Cell</i> , 1994 , 79, 1199-207	56.2	699
191	Ubiquitination of a yeast plasma membrane receptor signals its ligand-stimulated endocytosis. <i>Cell</i> , 1996 , 84, 277-87	56.2	685
190	Sch9 is a major target of TORC1 in <i>Saccharomyces cerevisiae</i> . <i>Molecular Cell</i> , 2007 , 26, 663-74	17.6	611
189	Understanding the diversity of membrane lipid composition. <i>Nature Reviews Molecular Cell Biology</i> , 2018 , 19, 281-296	48.7	605
188	end3 and end4: two mutants defective in receptor-mediated and fluid-phase endocytosis in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 1993 , 120, 55-65	7.3	361
187	Linking cargo to vesicle formation: receptor tail interactions with coat proteins. <i>Current Opinion in Cell Biology</i> , 1997 , 9, 488-95	9	360
186	Sorting GPI-anchored proteins. <i>Nature Reviews Molecular Cell Biology</i> , 2004 , 5, 110-20	48.7	341
185	Drs2p-related P-type ATPases Dnf1p and Dnf2p are required for phospholipid translocation across the yeast plasma membrane and serve a role in endocytosis. <i>Molecular Biology of the Cell</i> , 2003 , 14, 1240-54	3.5	302
184	Specific retrieval of the exocytic SNARE Snc1p from early yeast endosomes. <i>Molecular Biology of the Cell</i> , 2000 , 11, 23-38	3.5	295
183	Transcription and translation initiation frequencies of the <i>Escherichia coli</i> lac operon. <i>Journal of Molecular Biology</i> , 1977 , 114, 1-21	6.5	268
182	Endocytosis in yeast: several of the yeast secretory mutants are defective in endocytosis. <i>Cell</i> , 1985 , 40, 1001-9	56.2	265
181	The ins and outs of sphingolipid synthesis. <i>Trends in Cell Biology</i> , 2005 , 15, 312-8	18.3	257
180	Cytoplasmic tail phosphorylation of the alpha-factor receptor is required for its ubiquitination and internalization. <i>Journal of Cell Biology</i> , 1998 , 141, 349-58	7.3	254
179	Endocytosis is required for the growth of vacuolar H(+)-ATPase-defective yeast: identification of six new END genes. <i>Journal of Cell Biology</i> , 1994 , 127, 373-86	7.3	240
178	Plasma membrane stress induces relocalization of Slm proteins and activation of TORC2 to promote sphingolipid synthesis. <i>Nature Cell Biology</i> , 2012 , 14, 542-7	23.4	231
177	Lag1p and Lac1p are essential for the Acyl-CoA-dependent ceramide synthase reaction in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2001 , 12, 3417-27	3.5	227

176	The Emp24 complex recruits a specific cargo molecule into endoplasmic reticulum-derived vesicles. <i>Journal of Cell Biology</i> , 2000 , 148, 925-30	7.3	218
175	Upstream of growth and differentiation factor 1 (uog1), a mammalian homolog of the yeast longevity assurance gene 1 (LAG1), regulates N-stearoyl-sphinganine (C18-(dihydro)ceramide) synthesis in a fumonisin B1-independent manner in mammalian cells. <i>Journal of Biological Chemistry</i> , 2002 , 277, 35642-9	5.4	215
174	Protein sorting upon exit from the endoplasmic reticulum. <i>Cell</i> , 2001 , 104, 313-20	56.2	208
173	Loss of ceramide synthase 3 causes lethal skin barrier disruption. <i>Human Molecular Genetics</i> , 2012 , 21, 586-608	5.6	194
172	mTORC2 Promotes Tumorigenesis via Lipid Synthesis. <i>Cancer Cell</i> , 2017 , 32, 807-823.e12	24.3	175
171	Yeast endocytosis assays. <i>Methods in Enzymology</i> , 1991 , 194, 697-710	1.7	171
170	The Golgi-localization of yeast Emp47p depends on its di-lysine motif but is not affected by the ret1-1 mutation in alpha-COP. <i>Journal of Cell Biology</i> , 1995 , 131, 895-912	7.3	169
169	Two yeast mutants defective in endocytosis are defective in pheromone response. <i>Cell</i> , 1986 , 46, 355-64	56.2	160
168	Natamycin blocks fungal growth by binding specifically to ergosterol without permeabilizing the membrane. <i>Journal of Biological Chemistry</i> , 2008 , 283, 6393-401	5.4	157
167	Functional interactions between sphingolipids and sterols in biological membranes regulating cell physiology. <i>Molecular Biology of the Cell</i> , 2009 , 20, 2083-95	3.5	154
166	Protein traffic in the yeast endocytic and vacuolar protein sorting pathways. <i>Current Opinion in Cell Biology</i> , 1998 , 10, 513-22	9	154
165	Vesicular and nonvesicular transport of ceramide from ER to the Golgi apparatus in yeast. <i>Journal of Cell Biology</i> , 2001 , 155, 949-59	7.3	154
164	Conformational changes in the Arp2/3 complex leading to actin nucleation. <i>Nature Structural and Molecular Biology</i> , 2005 , 12, 26-31	17.6	145
163	Skp1p and the F-box protein Rcy1p form a non-SCF complex involved in recycling of the SNARE Snc1p in yeast. <i>Molecular and Cellular Biology</i> , 2001 , 21, 3105-17	4.8	142
162	Sphingoid base signaling via Pkh kinases is required for endocytosis in yeast. <i>EMBO Journal</i> , 2001 , 20, 6783-92	13	141
161	The F-box protein Rcy1p is involved in endocytic membrane traffic and recycling out of an early endosome in <i>Saccharomyces cerevisiae</i> . <i>Journal of Cell Biology</i> , 2000 , 149, 397-410	7.3	140
160	Rapid protein extraction from <i>Saccharomyces cerevisiae</i> . <i>Yeast</i> , 1994 , 10, 1305-10	3.4	140
159	Specific sterols required for the internalization step of endocytosis in yeast. <i>Molecular Biology of the Cell</i> , 1999 , 10, 3943-57	3.5	136

158	Concentration of GPI-anchored proteins upon ER exit in yeast. <i>Traffic</i> , 2009 , 10, 186-200	5.7	134
157	Multiple functions of sterols in yeast endocytosis. <i>Molecular Biology of the Cell</i> , 2002 , 13, 2664-80	3.5	131
156	Protection of <i>C. elegans</i> from anoxia by HYL-2 ceramide synthase. <i>Science</i> , 2009 , 324, 381-4	33.3	127
155	Clathrin functions in the absence of heterotetrameric adaptors and AP180-related proteins in yeast. <i>EMBO Journal</i> , 1999 , 18, 3897-908	13	122
154	Lip1p: a novel subunit of acyl-CoA ceramide synthase. <i>EMBO Journal</i> , 2005 , 24, 730-41	13	120
153	Distinct acto/myosin-I structures associate with endocytic profiles at the plasma membrane. <i>Journal of Cell Biology</i> , 2008 , 180, 1219-32	7.3	118
152	Mutations in sphingosine-1-phosphate lyase cause nephrosis with ichthyosis and adrenal insufficiency. <i>Journal of Clinical Investigation</i> , 2017 , 127, 912-928	15.9	112
151	Gaa1p and gpi8p are components of a glycosylphosphatidylinositol (GPI) transamidase that mediates attachment of GPI to proteins. <i>Molecular Biology of the Cell</i> , 2000 , 11, 1523-33	3.5	112
150	Distribution and functions of sterols and sphingolipids. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3,	10.2	110
149	Pig-n, a mammalian homologue of yeast Mcd4p, is involved in transferring phosphoethanolamine to the first mannose of the glycosylphosphatidylinositol. <i>Journal of Biological Chemistry</i> , 1999 , 274, 35099-106	5.4	109
148	Detection of an intermediate compartment involved in transport of alpha-factor from the plasma membrane to the vacuole in yeast. <i>Journal of Cell Biology</i> , 1990 , 110, 1911-22	7.3	109
147	Protein and lipid requirements for endocytosis. <i>Annual Review of Genetics</i> , 2000 , 34, 255-295	14.5	107
146	Morphology of the yeast endocytic pathway. <i>Molecular Biology of the Cell</i> , 1998 , 9, 173-89	3.5	101
145	Survival strategies of a sterol auxotroph. <i>Development (Cambridge)</i> , 2010 , 137, 3675-85	6.6	98
144	The Rab GTPase Ypt1p and tethering factors couple protein sorting at the ER to vesicle targeting to the Golgi apparatus. <i>Developmental Cell</i> , 2002 , 2, 307-17	10.2	97
143	Yeast mitochondrial outer membrane specifically binds cytoplasmically-synthesized precursors of mitochondrial proteins. <i>EMBO Journal</i> , 1983 , 2, 1113-1118	13	96
142	The outer membrane of yeast mitochondria: isolation of outside-out sealed vesicles. <i>EMBO Journal</i> , 1983 , 2, 1105-1111	13	95
141	The yeast p24 complex regulates GPI-anchored protein transport and quality control by monitoring anchor remodeling. <i>Molecular Biology of the Cell</i> , 2011 , 22, 2924-36	3.5	93

140	Sorting of GPI-anchored proteins into ER exit sites by p24 proteins is dependent on remodeled GPI. <i>Journal of Cell Biology</i> , 2011 , 194, 61-75	7.3	91
139	Intracellular sphingosine releases calcium from lysosomes. <i>ELife</i> , 2015 , 4,	8.9	90
138	Regulation of Glyoxysomal Enzymes during Germination of Cucumber: I. Developmental Changes in Cotyledonary Protein, RNA, and Enzyme Activities during Germination. <i>Plant Physiology</i> , 1978 , 62, 542-9	6.6	86
137	Yeast ARV1 is required for efficient delivery of an early GPI intermediate to the first mannosyltransferase during GPI assembly and controls lipid flow from the endoplasmic reticulum. <i>Molecular Biology of the Cell</i> , 2008 , 19, 2069-82	3.5	84
136	Sphingolipids are required for the stable membrane association of glycosylphosphatidylinositol-anchored proteins in yeast. <i>Journal of Biological Chemistry</i> , 2002 , 277, 49538-44	5.4	84
135	Regulation of Glyoxysomal Enzymes during Germination of Cucumber: 3. IN VITRO TRANSLATION AND CHARACTERIZATION OF FOUR GLYOXYSOMAL ENZYMES. <i>Plant Physiology</i> , 1980 , 65, 40-6	6.6	84
134	Identification of a species-specific inhibitor of glycosylphosphatidylinositol synthesis. <i>EMBO Journal</i> , 1997 , 16, 6374-83	13	82
133	Saccharomyces cerevisiae GPI10, the functional homologue of human PIG-B, is required for glycosylphosphatidylinositol-anchor synthesis. <i>Biochemical Journal</i> , 1998 , 332 (Pt 1), 153-9	3.8	81
132	Actin-, myosin- and ubiquitin-dependent endocytosis. <i>Experientia</i> , 1996 , 52, 1033-41		81
131	Lipidomic profiling of Saccharomyces cerevisiae and Zygosaccharomyces bailii reveals critical changes in lipid composition in response to acetic acid stress. <i>PLoS ONE</i> , 2013 , 8, e73936	3.7	81
130	Structure-function insights into direct lipid transfer between membranes by Mmm1-Mdm12 of ERMES. <i>Journal of Cell Biology</i> , 2018 , 217, 959-974	7.3	80
129	A yeast t-SNARE involved in endocytosis. <i>Molecular Biology of the Cell</i> , 1998 , 9, 2873-89	3.5	80
128	Dynamic amphiphile libraries to screen for the "fragrant" delivery of siRNA into HeLa cells and human primary fibroblasts. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9295-8	16.4	78
127	Where sterols are required for endocytosis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2004 , 1666, 51-61	3.8	76
126	A stable yeast strain efficiently producing cholesterol instead of ergosterol is functional for tryptophan uptake, but not weak organic acid resistance. <i>Metabolic Engineering</i> , 2011 , 13, 555-69	9.7	72
125	Yeast endocytosis. <i>Trends in Cell Biology</i> , 1993 , 3, 273-7	18.3	72
124	Transmembrane topology of ceramide synthase in yeast. <i>Biochemical Journal</i> , 2006 , 398, 585-93	3.8	70
123	A fluorogenic probe for SNAP-tagged plasma membrane proteins based on the solvatochromic molecule Nile Red. <i>ACS Chemical Biology</i> , 2014 , 9, 606-12	4.9	69

122	Cell-intrinsic adaptation of lipid composition to local crowding drives social behaviour. <i>Nature</i> , 2015 , 523, 88-91	50.4	68
121	Yeast pheromone receptor endocytosis and hyperphosphorylation are independent of G protein-mediated signal transduction. <i>Cell</i> , 1992 , 71, 755-63	56.2	68
120	The SwissLipids knowledgebase for lipid biology. <i>Bioinformatics</i> , 2015 , 31, 2860-6	7.2	66
119	Disruption of the ceramide synthase LOH1 causes spontaneous cell death in <i>Arabidopsis thaliana</i> . <i>New Phytologist</i> , 2011 , 192, 841-854	9.8	66
118	Sphingoid base is required for translation initiation during heat stress in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2006 , 17, 1164-75	3.5	63
117	Yeast lipid analysis and quantification by mass spectrometry. <i>Methods in Enzymology</i> , 2010 , 470, 369-91	1.7	61
116	Trafficking of glycosylphosphatidylinositol anchored proteins from the endoplasmic reticulum to the cell surface. <i>Journal of Lipid Research</i> , 2016 , 57, 352-60	6.3	60
115	Biosynthesis and trafficking of sphingolipids in the yeast <i>Saccharomyces cerevisiae</i> . <i>Biochemistry</i> , 2002 , 41, 15105-14	3.2	60
114	Structure and function of sphingosine-1-phosphate lyase, a key enzyme of sphingolipid metabolism. <i>Structure</i> , 2010 , 18, 1054-65	5.2	59
113	Regulation of Glyoxysomal Enzymes during Germination of Cucumber: 2. Isolation and Immunological Detection of Isocitrate Lyase and Catalase. <i>Plant Physiology</i> , 1978 , 62, 754-60	6.6	59
112	Transcriptomic analyses reveal rhythmic and CLOCK-driven pathways in human skeletal muscle. <i>ELife</i> , 2018 , 7,	8.9	59
111	Biosynthesis of the Torpedo californica acetylcholine receptor alpha subunit in yeast. <i>Science</i> , 1986 , 231, 1284-7	33.3	58
110	Lipidomics reveals diurnal lipid oscillations in human skeletal muscle persisting in cellular myotubes cultured in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E8565-E8574	11.5	57
109	Increased ubiquitin-dependent degradation can replace the essential requirement for heat shock protein induction. <i>EMBO Journal</i> , 2003 , 22, 3783-91	13	56
108	Sphingolipid homeostasis in the web of metabolic routes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014 , 1841, 647-56	5	54
107	Two pathways of sphingolipid biosynthesis are separated in the yeast <i>Pichia pastoris</i> . <i>Journal of Biological Chemistry</i> , 2011 , 286, 11401-14	5.4	54
106	The ER v-SNAREs are required for GPI-anchored protein sorting from other secretory proteins upon exit from the ER. <i>Journal of Cell Biology</i> , 2003 , 162, 403-12	7.3	54
105	Ordering of compartments in the yeast endocytic pathway. <i>Traffic</i> , 2002 , 3, 37-49	5.7	54

104	Yeast Ras regulates the complex that catalyzes the first step in GPI-anchor biosynthesis at the ER. <i>Cell</i> , 2004 , 117, 637-48	56.2	54
103	Scd5p and clathrin function are important for cortical actin organization, endocytosis, and localization of sla2p in yeast. <i>Molecular Biology of the Cell</i> , 2002 , 13, 2607-25	3.5	54
102	Identification and characterization of <i>Saccharomyces cerevisiae</i> mutants defective in fluid-phase endocytosis. <i>Yeast</i> , 2001 , 18, 759-73	3.4	52
101	Systematic lipidomic analysis of yeast protein kinase and phosphatase mutants reveals novel insights into regulation of lipid homeostasis. <i>Molecular Biology of the Cell</i> , 2014 , 25, 3234-46	3.5	51
100	Distinct functions of calmodulin are required for the uptake step of receptor-mediated endocytosis in yeast: the type I myosin Myo5p is one of the calmodulin targets. <i>EMBO Journal</i> , 1998 , 17, 635-47	13	51
99	Lcb4p is a key regulator of ceramide synthesis from exogenous long chain sphingoid base in <i>Saccharomyces cerevisiae</i> . <i>Journal of Biological Chemistry</i> , 2003 , 278, 7325-34	5.4	51
98	Prolonged starvation drives reversible sequestration of lipid biosynthetic enzymes and organelle reorganization in <i>Saccharomyces cerevisiae</i> . <i>Molecular Biology of the Cell</i> , 2015 , 26, 1601-15	3.5	50
97	The yeast p24 complex is required for the formation of COPI retrograde transport vesicles from the Golgi apparatus. <i>Journal of Cell Biology</i> , 2008 , 180, 713-20	7.3	50
96	Why Do Cells Require Heat Shock Proteins to Survive Heat Stress?. <i>Cell Cycle</i> , 2004 , 3, 60-62	4.7	49
95	COPII coat composition is actively regulated by luminal cargo maturation. <i>Current Biology</i> , 2015 , 25, 1524-32	4.62	48
94	The yeast p5 type ATPase, spf1, regulates manganese transport into the endoplasmic reticulum. <i>PLoS ONE</i> , 2013 , 8, e85519	3.7	48
93	Differential ER exit in yeast and mammalian cells. <i>Current Opinion in Cell Biology</i> , 2004 , 16, 350-5	9	47
92	Sphingolipid metabolic flow controls phosphoinositide turnover at the -Golgi network. <i>EMBO Journal</i> , 2017 , 36, 1736-1754	13	45
91	Rvs161p and Rvs167p, the two yeast amphiphysin homologs, function together in vivo. <i>Journal of Biological Chemistry</i> , 2001 , 276, 6016-22	5.4	44
90	D38-cholesterol as a Raman active probe for imaging intracellular cholesterol storage. <i>Journal of Biomedical Optics</i> , 2016 , 21, 61003	3.5	43
89	Regulation of Glyoxysomal Enzymes during Germination of Cucumber. <i>FEBS Journal</i> , 2005 , 112, 469-477		43
88	An essential function of sphingolipids in yeast cell division. <i>Molecular Microbiology</i> , 2012 , 84, 1018-32	4.1	41
87	Optical control of sphingosine-1-phosphate formation and function. <i>Nature Chemical Biology</i> , 2019 , 15, 623-631	11.7	40

86	Functional interactions between the p35 subunit of the Arp2/3 complex and calmodulin in yeast. <i>Molecular Biology of the Cell</i> , 2000 , 11, 1113-27	3.5	40
85	Isolation, characterization and regulation of expression of the nuclear genes for the core II and Rieske iron-sulphur proteins of the yeast ubiquinol-cytochrome c reductase. <i>Gene</i> , 1983 , 26, 261-72	3.8	39
84	Methylation of the sterol nucleus by STRM-1 regulates dauer larva formation in <i>Caenorhabditis elegans</i> . <i>Developmental Cell</i> , 2009 , 16, 833-43	10.2	38
83	On the road to unraveling the molecular functions of ether lipids. <i>FEBS Letters</i> , 2019 , 593, 2378-2389	3.8	36
82	Yeast as a model system for studying lipid homeostasis and function. <i>FEBS Letters</i> , 2012 , 586, 2858-67	3.8	36
81	Mitochondria-specific photoactivation to monitor local sphingosine metabolism and function. <i>ELife</i> , 2018 , 7,	8.9	36
80	LAPTM4B facilitates late endosomal ceramide export to control cell death pathways. <i>Nature Chemical Biology</i> , 2015 , 11, 799-806	11.7	32
79	The peroxisomal enzyme L-PBE is required to prevent the dietary toxicity of medium-chain fatty acids. <i>Cell Reports</i> , 2013 , 5, 248-58	10.6	32
78	Glycosylphosphatidylinositol anchors regulate glycosphingolipid levels. <i>Journal of Lipid Research</i> , 2012 , 53, 1522-34	6.3	32
77	Rho1p mutations specific for regulation of beta(1-->3)glucan synthesis and the order of assembly of the yeast cell wall. <i>Molecular Microbiology</i> , 2002 , 44, 1167-83	4.1	32
76	Limited ER quality control for GPI-anchored proteins. <i>Journal of Cell Biology</i> , 2016 , 213, 693-704	7.3	30
75	TORC1 inhibits GSK3-mediated Elo2 phosphorylation to regulate very long chain fatty acid synthesis and autophagy. <i>Cell Reports</i> , 2013 , 5, 1036-46	10.6	30
74	Synthetic multivalent antifungal peptides effective against fungi. <i>PLoS ONE</i> , 2014 , 9, e87730	3.7	30
73	A method for analysis and design of metabolism using metabolomics data and kinetic models: Application on lipidomics using a novel kinetic model of sphingolipid metabolism. <i>Metabolic Engineering</i> , 2016 , 37, 46-62	9.7	29
72	Lysophospholipids Facilitate COPII Vesicle Formation. <i>Current Biology</i> , 2018 , 28, 1950-1958.e6	6.3	29
71	Lysosome-targeted photoactivation reveals local sphingosine metabolism signatures. <i>Chemical Science</i> , 2019 , 10, 2253-2258	9.4	28
70	Structure and conserved function of iso-branched sphingoid bases from the nematode. <i>Chemical Science</i> , 2017 , 8, 3676-3686	9.4	27
69	Osh proteins regulate COPII-mediated vesicular transport of ceramide from the endoplasmic reticulum in budding yeast. <i>Journal of Cell Science</i> , 2014 , 127, 376-87	5.3	27

68	Activation of the unfolded protein response pathway causes ceramide accumulation in yeast and INS-1E insulinoma cells. <i>Journal of Lipid Research</i> , 2012 , 53, 412-420	6.3	27
67	Endocytosis in yeast. <i>Trends in Biochemical Sciences</i> , 1986 , 11, 325-328	10.3	27
66	Why do cells require heat shock proteins to survive heat stress?. <i>Cell Cycle</i> , 2004 , 3, 61-3	4.7	26
65	Macrophages release plasma membrane-derived particles rich in accessible cholesterol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E8499-E8508	11.5	25
64	A Chemogenetic Approach for the Optical Monitoring of Voltage in Neurons. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 2341-2344	16.4	25
63	Making Sense of the Yeast Sphingolipid Pathway. <i>Journal of Molecular Biology</i> , 2016 , 428, 4765-4775	6.5	24
62	TEDS site phosphorylation of the yeast myosins I is required for ligand-induced but not for constitutive endocytosis of the G protein-coupled receptor Ste2p. <i>Journal of Biological Chemistry</i> , 2006 , 281, 11104-14	5.4	22
61	The ins and outs of protein translocation. <i>Science</i> , 1997 , 278, 1728-9	33.3	21
60	The long and short of fatty acid synthesis. <i>Cell</i> , 2007 , 130, 587-8	56.2	21
59	Identification and Mode of Action of a Plant Natural Product Targeting Human Fungal Pathogens. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	20
58	A glycosylphosphatidylinositol-anchoring inhibitor with an unusual tetracarboxylic sesterterpene skeleton from the fungus <i>Codinaea simplex</i> . <i>Tetrahedron</i> , 1998 , 54, 6415-6426	2.4	19
57	Conserved Functions of Ether Lipids and Sphingolipids in the Early Secretory Pathway. <i>Current Biology</i> , 2020 , 30, 3775-3787.e7	6.3	19
56	Detection of genome-edited mutant clones by a simple competition-based PCR method. <i>PLoS ONE</i> , 2017 , 12, e0179165	3.7	17
55	Phosphatidylcholines from eggs activate an immune response in Arabidopsis. <i>ELife</i> , 2020 , 9,	8.9	17
54	HaloFlippers: A General Tool for the Fluorescence Imaging of Precisely Localized Membrane Tension Changes in Living Cells. <i>ACS Central Science</i> , 2020 , 6, 1376-1385	16.8	17
53	Vesicular and non-vesicular lipid export from the ER to the secretory pathway. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020 , 1865, 158453	5	17
52	Amphiphilic dynamic NDI and PDI probes: imaging microdomains in giant unilamellar vesicles. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 6087-93	3.9	16
51	A systems biology approach reveals the role of a novel methyltransferase in response to chemical stress and lipid homeostasis. <i>PLoS Genetics</i> , 2011 , 7, e1002332	6	16

50	Genetic and biochemical interactions between the Arp2/3 complex, Cmd1p, casein kinase II, and Tub4p in yeast. <i>FEMS Yeast Research</i> , 2003 , 4, 37-49	3.1	16
49	Mitochondrial arginase-2 is a cell-autonomous regulator of CD8+ T cell function and antitumor efficacy. <i>JCI Insight</i> , 2019 , 4,	9.9	16
48	Mathematical modeling and validation of the ergosterol pathway in <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2011 , 6, e28344	3.7	16
47	An efficient method for the production of isotopically enriched cholesterol for NMR. <i>Journal of Lipid Research</i> , 2011 , 52, 1062-5	6.3	15
46	Identifying key residues of sphinganine-1-phosphate lyase for function in vivo and in vitro. <i>Journal of Biological Chemistry</i> , 2008 , 283, 20159-69	5.4	15
45	HCV 3a core protein increases lipid droplet cholesteryl ester content via a mechanism dependent on sphingolipid biosynthesis. <i>PLoS ONE</i> , 2014 , 9, e115309	3.7	15
44	Three clathrin-dependent budding steps and cell polarity. <i>Trends in Cell Biology</i> , 1993 , 3, 330-2	18.3	14
43	Rsp5 ubiquitin ligase is required for protein trafficking in <i>Saccharomyces cerevisiae</i> COPI mutants. <i>PLoS ONE</i> , 2012 , 7, e39582	3.7	13
42	Conformation and Relative Configuration of a Very Potent Glycosylphosphatidylinositol-Anchoring Inhibitor with an Unusual Tricarboxylic Sesterterpenoid Lactone Skeleton from the Fungus <i>Paecilomyces inflatus</i> . <i>Helvetica Chimica Acta</i> , 1998 , 81, 2031-2042	2	12
41	Cytotoxicity of 1-deoxysphingolipid unraveled by genome-wide genetic screens and lipidomics in. <i>Molecular Biology of the Cell</i> , 2019 , 30, 2814-2826	3.5	11
40	Luciferase-Induced Photouncaging: Bioluminolysis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16033-16037	16.4	11
39	Down regulation of yeast G protein-coupled receptors. <i>Seminars in Cell and Developmental Biology</i> , 1998 , 9, 129-34	7.5	11
38	Ceramide chain length-dependent protein sorting into selective endoplasmic reticulum exit sites. <i>Science Advances</i> , 2020 , 6,	14.3	11
37	Mitochondrial disruption in peroxisome deficient cells is hepatocyte selective but is not mediated by common hepatic peroxisomal metabolites. <i>Mitochondrion</i> , 2018 , 39, 51-59	4.9	11
36	Yeast ceramide synthases, Lag1 and Lac1, have distinct substrate specificity. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	10
35	Autophagy competes for a common phosphatidylethanolamine pool with major cellular PE-consuming pathways in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , 2015 , 199, 475-85	4	10
34	Conceptually new entries into cells. <i>Chimia</i> , 2011 , 65, 853-8	1.3	10
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