Ludger Johannes

List of Publications by Year in Descending Order

191 papers	13,942 citations	62 h-index	114 g-index
215 ext. papers	16,234 ext. citations	10 avg, IF	6.33 L-index

#	Paper	IF	Citations
191	Transcytosis of Galectin-3 in Mouse Intestine.. *Methods in Molecular Biology*, **2022**, 2442, 367-390	1.4	
190	Solubilization and Purification of α1 Integrin from Rat Liver for Reconstitution into Nanodiscs. *Methods in Molecular Biology*, **2022**, 1-18	1.4	1
189	CXCR6 deficiency impairs cancer vaccine efficacy and CD8 resident memory T-cell recruitment in head and neck and lung tumors **2021**, 9,		7
188	Absolute Quantification of Drug Vector Delivery to the Cytosol. *Angewandte Chemie - International Edition*, **2021**, 60, 14824-14830	16.4	4
187	Absolute Quantification of Drug Vector Delivery to the Cytosol. *Angewandte Chemie*, **2021**, 133, 14950-14956	3.6	
186	The Cellular and Chemical Biology of Endocytic Trafficking and Intracellular Delivery-The GL-Lect Hypothesis. *Molecules*, **2021**, 26,	4.8	3
185	Ceramide structure dictates glycosphingolipid nanodomain assembly and function. *Nature Communications*, **2021**, 12, 3675	17.4	8
184	Self-assembled, Programmable DNA Nanodevices for Biological and Biomedical Applications. *ChemBioChem*, **2021**, 22, 763-778	3.8	7
183	Retrograde and Anterograde Transport of Lat-Vesicles during the Immunological Synapse Formation: Defining the Finely-Tuned Mechanism. *Cells*, **2021**, 10,	7.9	1
182	Glycolipid-dependent and lectin-driven transcytosis in mouse enterocytes. *Communications Biology*, **2021**, 4, 173	6.7	3
181	The final twist in endocytic membrane scission. *Nature Cell Biology*, **2021**, 23, 812-813	23.4	
180	Repurposing of tamoxifen ameliorates CLN3 and CLN7 disease phenotype. *EMBO Molecular Medicine*, **2021**, 13, e13742	12	4
179	Quantitative Methods to Study Endocytosis and Retrograde Transport of Cargo Proteins. *Methods in Molecular Biology*, **2021**, 2233, 53-70	1.4	1
178	Glycosylation and raft endocytosis in cancer. *Cancer and Metastasis Reviews*, **2020**, 39, 375-396	9.6	14
177	Endophilin-A3 and Galectin-8 control the clathrin-independent endocytosis of CD166. *Nature Communications*, **2020**, 11, 1457	17.4	29
176	Functional dissection of the retrograde Shiga toxin trafficking inhibitor Retro-2. *Nature Chemical Biology*, **2020**, 16, 327-336	11.7	18
175	MALDI-2 Mass Spectrometry and Immunohistochemistry Imaging of Gb3Cer, Gb4Cer, and Further Glycosphingolipids in Human Colorectal Cancer Tissue. *Analytical Chemistry*, **2020**, 92, 7096-7105	7.8	15

174	Clathrin-independent endocytosis, retrograde trafficking, and cell polarity. *Current Opinion in Cell Biology*, **2020**, 65, 112-121	9	18
173	Shiga Toxin Uptake and Sequestration in Extracellular Vesicles Is Mediated by Its B-Subunit. *Toxins*, **2020**, 12,	4.9	7
172	Shiga Toxin Induces Lipid Compression: A Mechanism for Generating Membrane Curvature. *Nano Letters*, **2019**, 19, 7365-7369	11.5	14
171	Retro Styles for Vesicle Coats. *Biochemistry*, **2019**, 58, 433-434	3.2	
170	Dystrophy-associated caveolin-3 mutations reveal that caveolae couple IL6/STAT3 signaling with mechanosensing in human muscle cells. *Nature Communications*, **2019**, 10, 1974	17.4	31
169	Renal globotriaosylceramide facilitates tubular albumin absorption and its inhibition protects against acute kidney injury. *Kidney International*, **2019**, 96, 327-341	9.9	10
168	2nd PSL Chemical Biology Symposium (2019): At the Crossroads of Chemistry and Biology. *ChemBioChem*, **2019**, 20, 968-973	3.8	
167	Shiga toxin signals via ATP and its effect is blocked by purinergic receptor antagonism. *Scientific Reports*, **2019**, 9, 14362	4.9	5
166	Galectin-3 modulation of T-cell activation: mechanisms of membrane remodelling. *Progress in Lipid Research*, **2019**, 76, 101010	14.3	15
165	Clustering on Membranes: Fluctuations and More. *Trends in Cell Biology*, **2018**, 28, 405-415	18.3	41
164	Rab6-dependent retrograde traffic of LAT controls immune synapse formation and T cell activation. *Journal of Experimental Medicine*, **2018**, 215, 1245-1265	16.6	30
163	Glycosphingolipid metabolic reprogramming drives neural differentiation. *EMBO Journal*, **2018**, 37,	13	36
162	Increasing Diversity of Biological Membrane Fission Mechanisms. *Trends in Cell Biology*, **2018**, 28, 274-286	18.3	26
161	Galectins at a glance. *Journal of Cell Science*, **2018**, 131,	5.3	258
160	MicroRNA 199a-5p Attenuates Retrograde Transport and Protects against Toxin-Induced Inhibition of Protein Biosynthesis. *Molecular and Cellular Biology*, **2018**, 38,	4.8	4
159	The 2018 biomembrane curvature and remodeling roadmap. *Journal Physics D: Applied Physics*, **2018**, 51,	3	133
158	Current Challenges in Delivery and Cytosolic Translocation of Therapeutic RNAs. *Nucleic Acid Therapeutics*, **2018**, 28, 178-193	4.8	56
157	EHD2 is a mechanotransducer connecting caveolae dynamics with gene transcription. *Journal of Cell Biology*, **2018**, 217, 4092-4105	7.3	36

156	Rapalog combined with CCR4 antagonist improves anticancer vaccines efficacy. *International Journal of Cancer*, **2018**, 143, 3008-3018	7.5	11
155	Metal-Free Activation of C(sp3)–H Bond, and a Practical and Rapid Synthesis of Privileged 1-Substituted 1,2,3,4-Tetrahydroisoquinolines. *European Journal of Organic Chemistry*, **2017**, 2017, 5275-5292	3.3	10
154	Imaging galectin-3 dependent endocytosis with lattice light-sheet microscopy **2017**,		3
153	Friction Mediates Scission of Tubular Membranes Scaffolded by BAR Proteins. *Cell*, **2017**, 170, 172-184.e11	36.2	128
152	Induction of resident memory T cells enhances the efficacy of cancer vaccine. *Nature Communications*, **2017**, 8, 15221	17.4	142
151	Mechanism of Shiga Toxin Clustering on Membranes. *ACS Nano*, **2017**, 11, 314-324	16.7	63
150	A novel type of quantum dot-transferrin conjugate using DNA hybridization mimics intracellular recycling of endogenous transferrin. *Nanoscale*, **2017**, 9, 15453-15460	7.7	6
149	Endocytosis: Remote Control from Deep Inside. *Current Biology*, **2017**, 27, R663-R666	6.3	1
148	Inhibitors of retrograde trafficking active against ricin and Shiga toxins also protect cells from several viruses, Leishmania and Chlamydiales. *Chemico-Biological Interactions*, **2017**, 267, 96-103	5	19
147	Shiga Toxin-A Model for Glycolipid-Dependent and Lectin-Driven Endocytosis. *Toxins*, **2017**, 9,	4.9	39
146	Quantum dot-loaded monofunctionalized DNA icosahedra for single-particle tracking of endocytic pathways. *Nature Nanotechnology*, **2016**, 11, 1112-1119	28.7	118
145	Glycolipids and Lectins in Endocytic Uptake Processes. *Journal of Molecular Biology*, **2016**, 428, 4792-4798	4.5	52
144	Persistent cell migration and adhesion rely on retrograde transport of β1 integrin. *Nature Cell Biology*, **2016**, 18, 54-64	23.4	63
143	Gastric Adenocarcinomas Express the Glycosphingolipid Gb3/CD77: Targeting of Gastric Cancer Cells with Shiga Toxin B-Subunit. *Molecular Cancer Therapeutics*, **2016**, 15, 1008-17	6.1	30
142	Retromer Sets a Trap for Endosomal Cargo Sorting. *Cell*, **2016**, 167, 1452-1454	56.2	6
141	Spatiotemporal control of interferon-induced JAK/STAT signalling and gene transcription by the retromer complex. *Nature Communications*, **2016**, 7, 13476	17.4	30
140	Membrane invagination induced by Shiga toxin B-subunit: from molecular structure to tube formation. *Soft Matter*, **2016**, 12, 5164-71	3.6	47
139	A Therapeutic Her2/neu Vaccine Targeting Dendritic Cells Preferentially Inhibits the Growth of Low Her2/neu-Expressing Tumor in HLA-A2 Transgenic Mice. *Clinical Cancer Research*, **2016**, 22, 4133-44	12.9	13

138	Enterococcus hirae and Barnesiella intestinihominis Facilitate Cyclophosphamide-Induced Therapeutic Immunomodulatory Effects. *Immunity*, **2016**, 45, 931-943	32.3	376
137	How curvature-generating proteins build scaffolds on membrane nanotubes. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 11226-11231	11.5	91
136	Glycosylation-Dependent IFN-ΓR Partitioning in Lipid and Actin Nanodomains Is Critical for JAK Activation. *Cell*, **2016**, 166, 920-934	56.2	73
135	Metal-Free Activation of a C(sp)-H Bond of Aryl Acetylenes. *Chemistry - A European Journal*, **2016**, 22, 14812-14815	4.8	16
134	Shiga toxin stimulates clathrin-independent endocytosis of the VAMP2, VAMP3 and VAMP8 SNARE proteins. *Journal of Cell Science*, **2015**, 128, 2891-902	5.3	11
133	A new delivery system for auristatin in STxB-drug conjugate therapy. *European Journal of Medicinal Chemistry*, **2015**, 95, 483-91	6.8	21
132	Building endocytic pits without clathrin. *Nature Reviews Molecular Cell Biology*, **2015**, 16, 311-21	48.7	135
131	Synergy of Radiotherapy and a Cancer Vaccine for the Treatment of HPV-Associated Head and Neck Cancer. *Molecular Cancer Therapeutics*, **2015**, 14, 1336-45	6.1	62
130	Retrograde Trafficking Inhibitor of Shiga Toxins Reduces Morbidity and Mortality of Mice Infected with Enterohemorrhagic Escherichia coli. *Antimicrobial Agents and Chemotherapy*, **2015**, 59, 5010-3	5.9	20
129	Targeted Shiga toxin-drug conjugates prepared via Cu-free click chemistry. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 7150-7	3.4	7
128	Endophilin-A2 functions in membrane scission in clathrin-independent endocytosis. *Nature*, **2015**, 517, 493-6	50.4	213
127	Shiga toxin induces membrane reorganization and formation of long range lipid order. *Soft Matter*, **2015**, 11, 186-92	3.6	19
126	Synthesis, Chiral Separation, Absolute Configuration Assignment, and Biological Activity of Enantiomers of Retro-1 as Potent Inhibitors of Shiga Toxin. *ChemMedChem*, **2015**, 10, 1153-6	3.7	7
125	Vaccine-induced tumor regression requires a dynamic cooperation between T cells and myeloid cells at the tumor site. *Oncotarget*, **2015**, 6, 27832-46	3.3	30
124	Retrograde transport is not required for cytosolic translocation of the B-subunit of Shiga toxin. *Journal of Cell Science*, **2015**, 128, 2373-87	5.3	12
123	Slow Relaxation of Shape and Orientational Texture in Membrane Gel Domains. *Langmuir*, **2015**, 31, 12699-7076	4	
122	The effects of globotriaosylceramide tail saturation level on bilayer phases. *Soft Matter*, **2015**, 11, 1352-61	3.6	18
121	Galectin-3 drives glycosphingolipid-dependent biogenesis of clathrin-independent carriers. *Nature Cell Biology*, **2014**, 16, 595-606	23.4	177

120	Bending "on the rocks"--a cocktail of biophysical modules to build endocytic pathways. *Cold Spring Harbor Perspectives in Biology*, **2014**, 6,	10.2	54
119	Carbohydrate conformation and lipid condensation in monolayers containing glycosphingolipid Gb3: influence of acyl chain structure. *Biophysical Journal*, **2014**, 107, 1146-1155	2.9	23
118	Rab12 localizes to Shiga toxin-induced plasma membrane invaginations and controls toxin transport. *Traffic*, **2014**, 15, 772-87	5.7	11
117	(S)-N-Methyldihydroquinazolinones are the Active Enantiomers of Retro-2 Derived Compounds against Toxins. *ACS Medicinal Chemistry Letters*, **2014**, 5, 94-7	4.3	29
116	Human breast cancer and lymph node metastases express Gb3 and can be targeted by STxB-vectorized chemotherapeutic compounds. *BMC Cancer*, **2014**, 14, 916	4.8	21
115	26. Bioactive enantiomers of Retro-2 derived compounds against ricin and Shiga toxins are (S)-N-methyl-dihydro-quinazolinones. *Toxicon*, **2014**, 91, 175	2.8	2
114	Rab7 is functionally required for selective cargo sorting at the early endosome. *Traffic*, **2014**, 15, 309-26	5.7	45
113	Vesicular and non-vesicular transport feed distinct glycosylation pathways in the Golgi. *Nature*, **2013**, 501, 116-20	50.4	117
112	Human GII.4 norovirus VLP induces membrane invaginations on giant unilamellar vesicles containing secretor gene dependent α1,2-fucosylated glycosphingolipids. *Biochimica Et Biophysica Acta - Biomembranes*, **2013**, 1828, 1840-5	3.8	43
111	The Legionella effector RidL inhibits retrograde trafficking to promote intracellular replication. *Cell Host and Microbe*, **2013**, 14, 38-50	23.4	109
110	SNAP-tagging the retrograde route. *Methods in Cell Biology*, **2013**, 118, 139-55	1.8	9
109	PD-1-expressing tumor-infiltrating T cells are a favorable prognostic biomarker in HPV-associated head and neck cancer. *Cancer Research*, **2013**, 73, 128-38	10.1	456
108	Mucosal imprinting of vaccine-induced CD8+ T cells is crucial to inhibit the growth of mucosal tumors. *Science Translational Medicine*, **2013**, 5, 172ra20	17.5	165
107	Lipid phosphate phosphatase 3 participates in transport carrier formation and protein trafficking in the early secretory pathway. *Journal of Cell Science*, **2013**, 126, 2641-55	5.3	25
106	N-methyldihydroquinazolinone derivatives of Retro-2 with enhanced efficacy against Shiga toxin. *Journal of Medicinal Chemistry*, **2013**, 56, 3404-13	8.3	65
105	βII spectrin regulates the structural integrity and the secretory protein transport of the Golgi complex. *Journal of Biological Chemistry*, **2013**, 288, 2157-66	5.4	16
104	SNAP-tag based proteomics approach for the study of the retrograde route. *Traffic*, **2012**, 13, 914-25	5.7	11
103	Creating and modulating microdomains in pore-spanning membranes. *ChemPhysChem*, **2012**, 13, 108-14	3.2	23

102	The enemy within us: lessons from the 2011 European Escherichia coli O104:H4 outbreak. *EMBO Molecular Medicine*, **2012**, 4, 841-8	12	180
101	Inhibitors of the cellular trafficking of ricin. *Toxins*, **2012**, 4, 15-27	4.9	35
100	Galectin-3 protein regulates mobility of N-cadherin and GM1 ganglioside at cell-cell junctions of mammary carcinoma cells. *Journal of Biological Chemistry*, **2012**, 287, 32940-52	5.4	69
99	Cells respond to mechanical stress by rapid disassembly of caveolae. *Cell*, **2011**, 144, 402-13	56.2	575
98	Tumor Delivery of Ultrasound Contrast Agents Using Shiga Toxin B Subunit. *Molecular Imaging*, **2011**, 10, 7290.2010.00030	3.7	18
97	A CCR4 antagonist combined with vaccines induces antigen-specific CD8+ T cells and tumor immunity against self antigens. *Blood*, **2011**, 118, 4853-62	2.2	130
96	Endocytosis and toxicity of clostridial binary toxins depend on a clathrin-independent pathway regulated by Rho-GDI. *Cellular Microbiology*, **2011**, 13, 154-70	3.9	36
95	Retrograde transport: two (or more) roads diverged in an endosomal tree?. *Traffic*, **2011**, 12, 956-62	5.7	54
94	Tumor-specific targeting of pancreatic cancer with Shiga toxin B-subunit. *Molecular Cancer Therapeutics*, **2011**, 10, 1918-28	6.1	34
93	The dynamin chemical inhibitor dynasore impairs cholesterol trafficking and sterol-sensitive genes transcription in human HeLa cells and macrophages. *PLoS ONE*, **2011**, 6, e29042	3.7	28
92	Lipid cosorting mediated by shiga toxin induced tubulation. *Traffic*, **2010**, 11, 1519-29	5.7	46
91	GM1 structure determines SV40-induced membrane invagination and infection. *Nature Cell Biology*, **2010**, 12, 11-8; sup pp 1-12	23.4	461
90	Shiga toxins--from cell biology to biomedical applications. *Nature Reviews Microbiology*, **2010**, 8, 105-16	22.2	358
89	AGAP2 regulates retrograde transport between early endosomes and the TGN. *Journal of Cell Science*, **2010**, 123, 2381-90	5.3	22
88	The clathrin heavy chain isoform CHC22 functions in a novel endosomal sorting step. *Journal of Cell Biology*, **2010**, 188, 131-44	7.3	52
87	Synthesis of peptide-protein conjugates using N-succinimidyl carbamate chemistry. *Bioconjugate Chemistry*, **2010**, 21, 219-28	6.3	15
86	Actin dynamics drive membrane reorganization and scission in clathrin-independent endocytosis. *Cell*, **2010**, 140, 540-53	56.2	193
85	Inhibition of retrograde transport protects mice from lethal ricin challenge. *Cell*, **2010**, 141, 231-42	56.2	218

84	Induced domain formation in endocytic invagination, lipid sorting, and scission. *Cell*, **2010**, 142, 507-10	56.2	60
83	Chemistry-based protein modification strategy for endocytic pathway analysis. *Biology of the Cell*, **2010**, 102, 351-9	3.5	2
82	Lipid reorganization induced by Shiga toxin clustering on planar membranes. *PLoS ONE*, **2009**, 4, e6238	3.7	75
81	Palmitoylation of interferon-alpha (IFN-alpha) receptor subunit IFNAR1 is required for the activation of Stat1 and Stat2 by IFN-alpha. *Journal of Biological Chemistry*, **2009**, 284, 24328-40	5.4	24
80	Differential effects of depletion of ARL1 and ARFRP1 on membrane trafficking between the trans-Golgi network and endosomes. *Journal of Biological Chemistry*, **2009**, 284, 10583-92	5.4	29
79	Analysis of articulation between clathrin and retromer in retrograde sorting on early endosomes. *Traffic*, **2009**, 10, 1868-80	5.7	89
78	Passage through the Golgi is necessary for Shiga toxin B subunit to reach the endoplasmic reticulum. *FEBS Journal*, **2009**, 276, 1581-95	5.7	19
77	Biodistribution and Tumor Targeting of Indium and Iodine-labeled Shiga Toxin B-Subunit. *Current Radiopharmaceuticals*, **2009**, 2, 184-190	1.8	2
76	Correlation between Shiga toxin B-subunit stability and antigen crosspresentation: a mutational analysis. *FEBS Letters*, **2008**, 582, 185-9	3.8	3
75	Biophysical approaches to protein-induced membrane deformations in trafficking. *Current Opinion in Cell Biology*, **2008**, 20, 476-82	9	114
74	Intracellular trafficking of Shiga-toxin-B-subunit-functionalized spherulites. *Biology of the Cell*, **2008** , 100, 717-25	3.5	4
73	Specific adsorption of functionalized colloids at the surface of living cells: a quantitative kinetic analysis of the receptor-mediated binding. *Biochimica Et Biophysica Acta - Biomembranes*, **2008**, 1778, 2450-7	3.8	13
72	Tracing the retrograde route in protein trafficking. *Cell*, **2008**, 135, 1175-87	56.2	288
71	Retrograde delivery of photosensitizer (TPPp-O-beta-GluOH)3 selectively potentiates its photodynamic activity. *Bioconjugate Chemistry*, **2008**, 19, 532-8	6.3	34
70	Human colorectal tumors and metastases express Gb3 and can be targeted by an intestinal pathogen-based delivery tool. *Molecular Cancer Therapeutics*, **2008**, 7, 2498-508	6.1	62
69	The secretion inhibitor Exo2 perturbs trafficking of Shiga toxin between endosomes and the trans-Golgi network. *Biochemical Journal*, **2008**, 414, 471-84	3.8	41
68	In Vivo Tumor Targeting by the B-Subunit of Shiga Toxin. *Molecular Imaging*, **2008**, 7, 7290.2008.00022	3.7	25
67	Synthesis and properties of a mitochondrial peripheral benzodiazepine receptor conjugate. *ChemMedChem*, **2008**, 3, 1687-95	3.7	15

66	Key role of receptor density in colloid/cell specific interaction: a quantitative biomimetic study on giant vesicles. *European Physical Journal E*, **2008**, 26, 205-16	1.5	14
65	In vivo tumor targeting by the B-subunit of shiga toxin. *Molecular Imaging*, **2008**, 7, 239-47	3.7	14
64	Shiga toxin-mediated retrograde delivery of a topoisomerase I inhibitor prodrug. *Angewandte Chemie - International Edition*, **2007**, 46, 6469-72	16.4	66
63	Shiga Toxin-Mediated Retrograde Delivery of a Topoisomerase I Inhibitor Prodrug. *Angewandte Chemie*, **2007**, 119, 6589-6592	3.6	5
62	Shiga toxin induces tubular membrane invaginations for its uptake into cells. *Nature*, **2007**, 450, 670-5	50.4	443
61	Distinct role of Rab3A and Rab3B in secretory activity of rat melanotrophs. *American Journal of Physiology - Cell Physiology*, **2007**, 292, C98-105	5.4	27
60	The retromer complex and clathrin define an early endosomal retrograde exit site. *Journal of Cell Science*, **2007**, 120, 2022-31	5.3	137
59	The retromer component sorting nexin-1 is required for efficient retrograde transport of Shiga toxin from early endosome to the trans Golgi network. *Journal of Cell Science*, **2007**, 120, 2010-21	5.3	107
58	Syntaxin 16 and syntaxin 5 are required for efficient retrograde transport of several exogenous and endogenous cargo proteins. *Journal of Cell Science*, **2007**, 120, 1457-68	5.3	92
57	Shiga toxin B-subunit sequential binding to its natural receptor in lipid membranes. *Biochimica Et Biophysica Acta - Biomembranes*, **2007**, 1768, 628-36	3.8	19
56	B subunit of Shiga toxin-based vaccines synergize with alpha-galactosylceramide to break tolerance against self antigen and elicit antiviral immunity. *Journal of Immunology*, **2007**, 179, 3371-9	5.3	44
55	The Shiga toxin B-subunit targets antigen in vivo to dendritic cells and elicits anti-tumor immunity. *European Journal of Immunology*, **2006**, 36, 1124-35	6.1	63
54	The association of Shiga-like toxin with detergent-resistant membranes is modulated by glucosylceramide and is an essential requirement in the endoplasmic reticulum for a cytotoxic effect. *Molecular Biology of the Cell*, **2006**, 17, 1375-87	3.5	80
53	Stat-mediated signaling induced by type I and type II interferons (IFNs) is differentially controlled through lipid microdomain association and clathrin-dependent endocytosis of IFN receptors. *Molecular Biology of the Cell*, **2006**, 17, 2896-909	3.5	83
52	In vivo tumor targeting using a novel intestinal pathogen-based delivery approach. *Cancer Research*, **2006**, 66, 7230-6	10.1	52
51	Measuring retrograde transport to the trans-Golgi network. *Current Protocols in Cell Biology*, **2006**, Chapter 15, Unit 15.10	2.3	13
50	Shiga toxin B-subunit binds to the chaperone BiP and the nucleolar protein B23. *Biology of the Cell*, **2006**, 98, 125-34	3.5	34
49	Characterization of the non-native trifluoroethanol-induced intermediate conformational state of the Shiga toxin B-subunit. *Biochimie*, **2006**, 88, 1199-207	4.6	6

48	Functionally different pools of Shiga toxin receptor, globotriaosyl ceramide, in HeLa cells. *FEBS Journal*, **2006**, 273, 5205-18	5.7	38
47	Internalized Pseudomonas exotoxin A can exploit multiple pathways to reach the endoplasmic reticulum. *Traffic*, **2006**, 7, 379-93	5.7	63
46	Rab6A and Rab6A0GTPases play non-overlapping roles in membrane trafficking. *Traffic*, **2006**, 7, 394-407	5.7	112
45	Trafficking of Shiga toxin/Shiga-like toxin-1 in human glomerular microvascular endothelial cells and human mesangial cells. *Kidney International*, **2006**, 70, 2085-91	9.9	30
44	Synthesis of globo- and isoglobotriosides bearing a cinnamoylphenyl tag as novel electrophilic thiol-specific carbohydrate reagents. *Carbohydrate Research*, **2006**, 341, 2026-36	2.9	14
43	Sub-cellular localisation of a 15N-labelled peptide vector using NanoSIMS imaging. *Applied Surface Science*, **2006**, 252, 6925-6930	6.7	23
42	Correspondence to Creydt VP et al., Cytotoxic effect of Shiga toxin-2 holotoxin and its B subunit on human renal tubular epithelial cells, Microbes Infect. 8(2) (2006) 410-419. *Microbes and Infection*, **2006**, 8, 2331-2	9.3	2
41	Intracellular trafficking of bacterial and plant protein toxins **2006**, 135-153		8
40	1-[3-(2-[18F]fluoropyridin-3-yloxy)propyl]pyrrole-2,5-dione: design, synthesis, and radiosynthesis of a new [18F]fluoropyridine-based maleimide reagent for the labeling of peptides and proteins. *Bioconjugate Chemistry*, **2005**, 16, 406-20	6.3	104
39	Cholera and Shiga toxin B-subunits: thermodynamic and structural considerations for function and biomedical applications. *Toxicon*, **2005**, 45, 389-93	2.8	37
38	Protein interaction mapping: a Drosophila case study. *Genome Research*, **2005**, 15, 376-84	9.7	404
37	Trans-Golgi network syntaxin 10 functions distinctly from syntaxins 6 and 16. *Molecular Membrane Biology*, **2005**, 22, 313-25	3.4	39
36	Protein toxins: intracellular trafficking for targeted therapy. *Gene Therapy*, **2005**, 12, 1360-8	4	99
35	Functional analysis of Arl1 and golgin-97 in endosome-to-TGN transport using recombinant Shiga toxin B fragment. *Methods in Enzymology*, **2005**, 404, 442-53	1.7	16
34	tGolgin-1 (p230, golgin-245) modulates Shiga-toxin transport to the Golgi and Golgi motility towards the microtubule-organizing centre. *Journal of Cell Science*, **2005**, 118, 2279-93	5.3	81
33	Lowe syndrome protein OCRL1 interacts with clathrin and regulates protein trafficking between endosomes and the trans-Golgi network. *Molecular Biology of the Cell*, **2005**, 16, 3467-79	3.5	152
32	Participation of the syntaxin 5/Ykt6/GS28/GS15 SNARE complex in transport from the early/recycling endosome to the trans-Golgi network. *Molecular Biology of the Cell*, **2004**, 15, 4011-22	3.5	132
31	Glycosphingolipids as toxin receptors. *Seminars in Cell and Developmental Biology*, **2004**, 15, 397-408	7.5	83

30	Clathrin adaptor epsinR is required for retrograde sorting on early endosomal membranes. *Developmental Cell*, **2004**, 6, 525-38	10.2	191
29	The B subunit of Shiga toxin coupled to full-size antigenic protein elicits humoral and cell-mediated immune responses associated with a Th1-dominant polarization. *International Immunology*, **2003**, 15, 1161-71	4.9	51
28	Effects of HIV-1 Nef on retrograde transport from the plasma membrane to the endoplasmic reticulum. *Traffic*, **2003**, 4, 323-32	5.7	20
27	Thermodynamic analysis of the structural stability of the shiga toxin B-subunit. *Biochemistry*, **2003**, 42, 9498-506	3.2	21
26	Two distinct Gb3/CD77 signaling pathways leading to apoptosis are triggered by anti-Gb3/CD77 mAb and verotoxin-1. *Journal of Biological Chemistry*, **2003**, 278, 45200-8	5.4	60
25	Shiga toxin B-subunit as a tool to study retrograde transport. *Methods in Molecular Medicine*, **2003**, 73, 209-20		28
24	The epithelial cell cytoskeleton and intracellular trafficking. I. Shiga toxin B-subunit system: retrograde transport, intracellular vectorization, and more. *American Journal of Physiology - Renal Physiology*, **2002**, 283, G1-7	5.1	20
23	Characterization of novel Rab6-interacting proteins involved in endosome-to-TGN transport. *Traffic* , **2002**, 3, 289-97	5.7	118
22	Clathrin-dependent or not: is it still the question?. *Traffic*, **2002**, 3, 443-51	5.7	191
21	1st class ticket to class I: protein toxins as pathfinders for antigen presentation. *Traffic*, **2002**, 3, 697-704	5.7	39
20	The overexpression of GMAP-210 blocks anterograde and retrograde transport between the ER and the Golgi apparatus. *Traffic*, **2002**, 3, 822-32	5.7	44
19	Early/recycling endosomes-to-TGN transport involves two SNARE complexes and a Rab6 isoform. *Journal of Cell Biology*, **2002**, 156, 653-64	7.3	424
18	Two-dimensional structures of the Shiga toxin B-subunit and of a chimera bound to the glycolipid receptor Gb3. *Journal of Structural Biology*, **2002**, 139, 113-21	3.4	20
17	Targeting of Shiga toxin B-subunit to retrograde transport route in association with detergent-resistant membranes. *Molecular Biology of the Cell*, **2001**, 12, 2453-68	3.5	240
16	Facing inward from compartment shores: how many pathways were we looking for?. *Traffic*, **2000**, 1, 119-23	5.7	37
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14	The B subunit of Shiga toxin fused to a tumor antigen elicits CTL and targets dendritic cells to allow MHC class I-restricted presentation of peptides derived from exogenous antigens. *Journal of Immunology*, **2000**, 165, 3301-8	5.3	121
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