

# Ludger Johannes

## List of Publications by Citations

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191  
papers

13,942  
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62  
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g-index

215  
ext. papers

16,234  
ext. citations

10  
avg, IF

6.33  
L-index

#	Paper	IF	Citations
191	Cells respond to mechanical stress by rapid disassembly of caveolae. <i>Cell</i> , <b>2011</b> , 144, 402-13	56.2	575
190	GM1 structure determines SV40-induced membrane invagination and infection. <i>Nature Cell Biology</i> , <b>2010</b> , 12, 11-8; sup pp 1-12	23.4	461
189	PD-1-expressing tumor-infiltrating T cells are a favorable prognostic biomarker in HPV-associated head and neck cancer. <i>Cancer Research</i> , <b>2013</b> , 73, 128-38	10.1	456
188	Shiga toxin induces tubular membrane invaginations for its uptake into cells. <i>Nature</i> , <b>2007</b> , 450, 670-5	50.4	443
187	Early/recycling endosomes-to-TGN transport involves two SNARE complexes and a Rab6 isoform. <i>Journal of Cell Biology</i> , <b>2002</b> , 156, 653-64	7.3	424
186	Protein interaction mapping: a Drosophila case study. <i>Genome Research</i> , <b>2005</b> , 15, 376-84	9.7	404
185	Direct pathway from early/recycling endosomes to the Golgi apparatus revealed through the study of shiga toxin B-fragment transport. <i>Journal of Cell Biology</i> , <b>1998</b> , 143, 973-90	7.3	379
184	Enterococcus hirae and Barnesiella intestinihominis Facilitate Cyclophosphamide-Induced Therapeutic Immunomodulatory Effects. <i>Immunity</i> , <b>2016</b> , 45, 931-943	32.3	376
183	Rab6 coordinates a novel Golgi to ER retrograde transport pathway in live cells. <i>Journal of Cell Biology</i> , <b>1999</b> , 147, 743-60	7.3	365
182	Shiga toxins--from cell biology to biomedical applications. <i>Nature Reviews Microbiology</i> , <b>2010</b> , 8, 105-16	22.2	358
181	Rab11 regulates the compartmentalization of early endosomes required for efficient transport from early endosomes to the trans-golgi network. <i>Journal of Cell Biology</i> , <b>2000</b> , 151, 1207-20	7.3	323
180	Evidence for a COP-I-independent transport route from the Golgi complex to the endoplasmic reticulum. <i>Nature Cell Biology</i> , <b>1999</b> , 1, 423-30	23.4	301
179	Tracing the retrograde route in protein trafficking. <i>Cell</i> , <b>2008</b> , 135, 1175-87	56.2	288
178	Galectins at a glance. <i>Journal of Cell Science</i> , <b>2018</b> , 131,	5.3	258
177	Targeting of Shiga toxin B-subunit to retrograde transport route in association with detergent-resistant membranes. <i>Molecular Biology of the Cell</i> , <b>2001</b> , 12, 2453-68	3.5	240
176	Inhibition of retrograde transport protects mice from lethal ricin challenge. <i>Cell</i> , <b>2010</b> , 141, 231-42	56.2	218
175	Endophilin-A2 functions in membrane scission in clathrin-independent endocytosis. <i>Nature</i> , <b>2015</b> , 517, 493-6	50.4	213

174	Actin dynamics drive membrane reorganization and scission in clathrin-independent endocytosis. <i>Cell</i> , <b>2010</b> , 140, 540-53	56.2	193
173	Clathrin-dependent or not: is it still the question?. <i>Traffic</i> , <b>2002</b> , 3, 443-51	5.7	191
172	Clathrin adaptor epsinR is required for retrograde sorting on early endosomal membranes. <i>Developmental Cell</i> , <b>2004</b> , 6, 525-38	10.2	191
171	The enemy within us: lessons from the 2011 European Escherichia coli O104:H4 outbreak. <i>EMBO Molecular Medicine</i> , <b>2012</b> , 4, 841-8	12	180
170	Galectin-3 drives glycosphingolipid-dependent biogenesis of clathrin-independent carriers. <i>Nature Cell Biology</i> , <b>2014</b> , 16, 595-606	23.4	177
169	Noninvasive measurement of the pH of the endoplasmic reticulum at rest and during calcium release. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 2997-3002	11.5	167
168	Retrograde transport of KDEL-bearing B-fragment of Shiga toxin. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 19554-61	5.4	166
167	Mucosal imprinting of vaccine-induced CD8+ T cells is crucial to inhibit the growth of mucosal tumors. <i>Science Translational Medicine</i> , <b>2013</b> , 5, 172ra20	17.5	165
166	Lowe syndrome protein OCRL1 interacts with clathrin and regulates protein trafficking between endosomes and the trans-Golgi network. <i>Molecular Biology of the Cell</i> , <b>2005</b> , 16, 3467-79	3.5	152
165	Induction of resident memory T cells enhances the efficacy of cancer vaccine. <i>Nature Communications</i> , <b>2017</b> , 8, 15221	17.4	142
164	The retromer complex and clathrin define an early endosomal retrograde exit site. <i>Journal of Cell Science</i> , <b>2007</b> , 120, 2022-31	5.3	137
163	Building endocytic pits without clathrin. <i>Nature Reviews Molecular Cell Biology</i> , <b>2015</b> , 16, 311-21	48.7	135
162	The 2018 biomembrane curvature and remodeling roadmap. <i>Journal Physics D: Applied Physics</i> , <b>2018</b> , 51,	3	133
161	Participation of the syntaxin 5/Ykt6/GS28/GS15 SNARE complex in transport from the early/recycling endosome to the trans-Golgi network. <i>Molecular Biology of the Cell</i> , <b>2004</b> , 15, 4011-22	3.5	132
160	A CCR4 antagonist combined with vaccines induces antigen-specific CD8+ T cells and tumor immunity against self antigens. <i>Blood</i> , <b>2011</b> , 118, 4853-62	2.2	130
159	Friction Mediates Scission of Tubular Membranes Scaffolded by BAR Proteins. <i>Cell</i> , <b>2017</b> , 170, 172-184.e36.2	36.2	128
158	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. <i>Journal of Immunology</i> , <b>2000</b> , 165, 3301-8	5.3	121
157	Quantum dot-loaded monofunctionalized DNA icosahedra for single-particle tracking of endocytic pathways. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 1112-1119	28.7	118

156	Characterization of novel Rab6-interacting proteins involved in endosome-to-TGN transport. <i>Traffic</i> , <b>2002</b> , 3, 289-97	5.7	118
155	Vesicular and non-vesicular transport feed distinct glycosylation pathways in the Golgi. <i>Nature</i> , <b>2013</b> , 501, 116-20	50.4	117
154	Biophysical approaches to protein-induced membrane deformations in trafficking. <i>Current Opinion in Cell Biology</i> , <b>2008</b> , 20, 476-82	9	114
153	Rab6A and Rab6ACGTPases play non-overlapping roles in membrane trafficking. <i>Traffic</i> , <b>2006</b> , 7, 394-407	5.7	112
152	The Legionella effector RidL inhibits retrograde trafficking to promote intracellular replication. <i>Cell Host and Microbe</i> , <b>2013</b> , 14, 38-50	23.4	109
151	The retromer component sorting nexin-1 is required for efficient retrograde transport of Shiga toxin from early endosome to the trans Golgi network. <i>Journal of Cell Science</i> , <b>2007</b> , 120, 2010-21	5.3	107
150	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. <i>Bioconjugate Chemistry</i> , <b>2005</b> , 16, 406-20	6.3	104
149	Surfing on a retrograde wave: how does Shiga toxin reach the endoplasmic reticulum?. <i>Trends in Cell Biology</i> , <b>1998</b> , 8, 158-62	18.3	101
148	Protein toxins: intracellular trafficking for targeted therapy. <i>Gene Therapy</i> , <b>2005</b> , 12, 1360-8	4	99
147	Syntaxin 16 and syntaxin 5 are required for efficient retrograde transport of several exogenous and endogenous cargo proteins. <i>Journal of Cell Science</i> , <b>2007</b> , 120, 1457-68	5.3	92
146	How curvature-generating proteins build scaffolds on membrane nanotubes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 11226-11231	11.5	91
145	Analysis of articulation between clathrin and retromer in retrograde sorting on early endosomes. <i>Traffic</i> , <b>2009</b> , 10, 1868-80	5.7	89
144	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. <i>Molecular Biology of the Cell</i> , <b>2006</b> , 17, 2896-909	3.5	83
143	Glycosphingolipids as toxin receptors. <i>Seminars in Cell and Developmental Biology</i> , <b>2004</b> , 15, 397-408	7.5	83
142	tGolgin-1 (p230, golgin-245) modulates Shiga-toxin transport to the Golgi and Golgi motility towards the microtubule-organizing centre. <i>Journal of Cell Science</i> , <b>2005</b> , 118, 2279-93	5.3	81
141	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. <i>Molecular Biology of the Cell</i> , <b>2006</b> , 17, 1375-87	3.5	80
140	Major histocompatibility complex class I presentation of exogenous soluble tumor antigen fused to the B-fragment of Shiga toxin. <i>European Journal of Immunology</i> , <b>1998</b> , 28, 2726-37	6.1	79
139	Lipid reorganization induced by Shiga toxin clustering on planar membranes. <i>PLoS ONE</i> , <b>2009</b> , 4, e6238	3.7	75

138	Glycosylation-Dependent IFN- $\beta$ Partitioning in Lipid and Actin Nanodomains Is Critical for JAK Activation. <i>Cell</i> , <b>2016</b> , 166, 920-934	56.2	73
137	Galectin-3 protein regulates mobility of N-cadherin and GM1 ganglioside at cell-cell junctions of mammary carcinoma cells. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 32940-52	5.4	69
136	Shiga toxin-mediated retrograde delivery of a topoisomerase I inhibitor prodrug. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 6469-72	16.4	66
135	N-methyl-dihydroquinazolinone derivatives of Retro-2 with enhanced efficacy against Shiga toxin. <i>Journal of Medicinal Chemistry</i> , <b>2013</b> , 56, 3404-13	8.3	65
134	Mechanism of Shiga Toxin Clustering on Membranes. <i>ACS Nano</i> , <b>2017</b> , 11, 314-324	16.7	63
133	Persistent cell migration and adhesion rely on retrograde transport of $\beta$ 1 integrin. <i>Nature Cell Biology</i> , <b>2016</b> , 18, 54-64	23.4	63
132	The Shiga toxin B-subunit targets antigen in vivo to dendritic cells and elicits anti-tumor immunity. <i>European Journal of Immunology</i> , <b>2006</b> , 36, 1124-35	6.1	63
131	Internalized Pseudomonas exotoxin A can exploit multiple pathways to reach the endoplasmic reticulum. <i>Traffic</i> , <b>2006</b> , 7, 379-93	5.7	63
130	Synergy of Radiotherapy and a Cancer Vaccine for the Treatment of HPV-Associated Head and Neck Cancer. <i>Molecular Cancer Therapeutics</i> , <b>2015</b> , 14, 1336-45	6.1	62
129	Human colorectal tumors and metastases express Gb3 and can be targeted by an intestinal pathogen-based delivery tool. <i>Molecular Cancer Therapeutics</i> , <b>2008</b> , 7, 2498-508	6.1	62
128	Induced domain formation in endocytic invagination, lipid sorting, and scission. <i>Cell</i> , <b>2010</b> , 142, 507-10	56.2	60
127	Two distinct Gb3/CD77 signaling pathways leading to apoptosis are triggered by anti-Gb3/CD77 mAb and verotoxin-1. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 45200-8	5.4	60
126	Rab3 proteins: key players in the control of exocytosis. <i>Trends in Neurosciences</i> , <b>1994</b> , 17, 426-32	13.3	58
125	Current Challenges in Delivery and Cytosolic Translocation of Therapeutic RNAs. <i>Nucleic Acid Therapeutics</i> , <b>2018</b> , 28, 178-193	4.8	56
124	Bending "on the rocks"--a cocktail of biophysical modules to build endocytic pathways. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2014</b> , 6,	10.2	54
123	Retrograde transport: two (or more) roads diverged in an endosomal tree?. <i>Traffic</i> , <b>2011</b> , 12, 956-62	5.7	54
122	Glycolipids and Lectins in Endocytic Uptake Processes. <i>Journal of Molecular Biology</i> , <b>2016</b> , 428, 4792-4798	8.5	52
121	The clathrin heavy chain isoform CHC22 functions in a novel endosomal sorting step. <i>Journal of Cell Biology</i> , <b>2010</b> , 188, 131-44	7.3	52

120	In vivo tumor targeting using a novel intestinal pathogen-based delivery approach. <i>Cancer Research</i> , <b>2006</b> , 66, 7230-6	10.1	52
119	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. <i>International Immunology</i> , <b>2003</b> , 15, 1161-71	4.9	51
118	Membrane invagination induced by Shiga toxin B-subunit: from molecular structure to tube formation. <i>Soft Matter</i> , <b>2016</b> , 12, 5164-71	3.6	47
117	Lipid cosorting mediated by shiga toxin induced tubulation. <i>Traffic</i> , <b>2010</b> , 11, 1519-29	5.7	46
116	Rab7 is functionally required for selective cargo sorting at the early endosome. <i>Traffic</i> , <b>2014</b> , 15, 309-26	5.7	45
115	B subunit of Shiga toxin-based vaccines synergize with alpha-galactosylceramide to break tolerance against self antigen and elicit antiviral immunity. <i>Journal of Immunology</i> , <b>2007</b> , 179, 3371-9	5.3	44
114	The overexpression of GMAP-210 blocks anterograde and retrograde transport between the ER and the Golgi apparatus. <i>Traffic</i> , <b>2002</b> , 3, 822-32	5.7	44
113	Human GII.4 norovirus VLP induces membrane invaginations on giant unilamellar vesicles containing secretor gene dependent $\alpha$ ,2-fucosylated glycosphingolipids. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2013</b> , 1828, 1840-5	3.8	43
112	Clustering on Membranes: Fluctuations and More. <i>Trends in Cell Biology</i> , <b>2018</b> , 28, 405-415	18.3	41
111	The secretion inhibitor Exo2 perturbs trafficking of Shiga toxin between endosomes and the trans-Golgi network. <i>Biochemical Journal</i> , <b>2008</b> , 414, 471-84	3.8	41
110	Shiga Toxin-A Model for Glycolipid-Dependent and Lectin-Driven Endocytosis. <i>Toxins</i> , <b>2017</b> , 9,	4.9	39
109	Trans-Golgi network syntaxin 10 functions distinctly from syntaxins 6 and 16. <i>Molecular Membrane Biology</i> , <b>2005</b> , 22, 313-25	3.4	39
108	1st class ticket to class I: protein toxins as pathfinders for antigen presentation. <i>Traffic</i> , <b>2002</b> , 3, 697-704	5.7	39
107	Functionally different pools of Shiga toxin receptor, globotriaosyl ceramide, in HeLa cells. <i>FEBS Journal</i> , <b>2006</b> , 273, 5205-18	5.7	38
106	Cholera and Shiga toxin B-subunits: thermodynamic and structural considerations for function and biomedical applications. <i>Toxicon</i> , <b>2005</b> , 45, 389-93	2.8	37
105	Facing inward from compartment shores: how many pathways were we looking for?. <i>Traffic</i> , <b>2000</b> , 1, 119-23	5.7	37
104	Glycosphingolipid metabolic reprogramming drives neural differentiation. <i>EMBO Journal</i> , <b>2018</b> , 37,	13	36
103	Endocytosis and toxicity of clostridial binary toxins depend on a clathrin-independent pathway regulated by Rho-GDI. <i>Cellular Microbiology</i> , <b>2011</b> , 13, 154-70	3.9	36

102	EHD2 is a mechanotransducer connecting caveolae dynamics with gene transcription. <i>Journal of Cell Biology</i> , <b>2018</b> , 217, 4092-4105	7.3	36
101	Inhibitors of the cellular trafficking of ricin. <i>Toxins</i> , <b>2012</b> , 4, 15-27	4.9	35
100	Tumor-specific targeting of pancreatic cancer with Shiga toxin B-subunit. <i>Molecular Cancer Therapeutics</i> , <b>2011</b> , 10, 1918-28	6.1	34
99	Retrograde delivery of photosensitizer (TPPp-O-beta-GluOH) <sub>3</sub> selectively potentiates its photodynamic activity. <i>Bioconjugate Chemistry</i> , <b>2008</b> , 19, 532-8	6.3	34
98	Shiga toxin B-subunit binds to the chaperone BiP and the nucleolar protein B23. <i>Biology of the Cell</i> , <b>2006</b> , 98, 125-34	3.5	34
97	Dystrophy-associated caveolin-3 mutations reveal that caveolae couple IL6/STAT3 signaling with mechanosensing in human muscle cells. <i>Nature Communications</i> , <b>2019</b> , 10, 1974	17.4	31
96	Rab6-dependent retrograde traffic of LAT controls immune synapse formation and T cell activation. <i>Journal of Experimental Medicine</i> , <b>2018</b> , 215, 1245-1265	16.6	30
95	Gastric Adenocarcinomas Express the Glycosphingolipid Gb3/CD77: Targeting of Gastric Cancer Cells with Shiga Toxin B-Subunit. <i>Molecular Cancer Therapeutics</i> , <b>2016</b> , 15, 1008-17	6.1	30
94	Vaccine-induced tumor regression requires a dynamic cooperation between T cells and myeloid cells at the tumor site. <i>Oncotarget</i> , <b>2015</b> , 6, 27832-46	3.3	30
93	Trafficking of Shiga toxin/Shiga-like toxin-1 in human glomerular microvascular endothelial cells and human mesangial cells. <i>Kidney International</i> , <b>2006</b> , 70, 2085-91	9.9	30
92	Spatiotemporal control of interferon-induced JAK/STAT signalling and gene transcription by the retromer complex. <i>Nature Communications</i> , <b>2016</b> , 7, 13476	17.4	30
91	Endophilin-A3 and Galectin-8 control the clathrin-independent endocytosis of CD166. <i>Nature Communications</i> , <b>2020</b> , 11, 1457	17.4	29
90	(S)-N-Methyldihydroquinazolinones are the Active Enantiomers of Retro-2 Derived Compounds against Toxins. <i>ACS Medicinal Chemistry Letters</i> , <b>2014</b> , 5, 94-7	4.3	29
89	Differential effects of depletion of ARL1 and ARFRP1 on membrane trafficking between the trans-Golgi network and endosomes. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 10583-92	5.4	29
88	Exocytosis: SNAREs drum up!. <i>European Journal of Neuroscience</i> , <b>1998</b> , 10, 415-22	3.5	28
87	Shiga toxin B-subunit as a tool to study retrograde transport. <i>Methods in Molecular Medicine</i> , <b>2003</b> , 73, 209-20		28
86	The dynamin chemical inhibitor dynasore impairs cholesterol trafficking and sterol-sensitive genes transcription in human HeLa cells and macrophages. <i>PLoS ONE</i> , <b>2011</b> , 6, e29042	3.7	28
85	Distinct role of Rab3A and Rab3B in secretory activity of rat melanotrophs. <i>American Journal of Physiology - Cell Physiology</i> , <b>2007</b> , 292, C98-105	5.4	27

84	Regulation of the Ca <sup>2+</sup> sensitivity of exocytosis by Rab3a. <i>Journal of Neurochemistry</i> , <b>1998</b> , 71, 1127-33	6	27
83	Increasing Diversity of Biological Membrane Fission Mechanisms. <i>Trends in Cell Biology</i> , <b>2018</b> , 28, 274-286	8.3	26
82	Lipid phosphate phosphatase 3 participates in transport carrier formation and protein trafficking in the early secretory pathway. <i>Journal of Cell Science</i> , <b>2013</b> , 126, 2641-55	5.3	25
81	In Vivo Tumor Targeting by the B-Subunit of Shiga Toxin. <i>Molecular Imaging</i> , <b>2008</b> , 7, 7290.2008.00022	3.7	25
80	Palmitoylation of interferon-alpha (IFN-alpha) receptor subunit IFNAR1 is required for the activation of Stat1 and Stat2 by IFN-alpha. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 24328-40	5.4	24
79	Carbohydrate conformation and lipid condensation in monolayers containing glycosphingolipid Gb3: influence of acyl chain structure. <i>Biophysical Journal</i> , <b>2014</b> , 107, 1146-1155	2.9	23
78	Creating and modulating microdomains in pore-spanning membranes. <i>ChemPhysChem</i> , <b>2012</b> , 13, 108-14	3.2	23
77	Sub-cellular localisation of a 15N-labelled peptide vector using NanoSIMS imaging. <i>Applied Surface Science</i> , <b>2006</b> , 252, 6925-6930	6.7	23
76	AGAP2 regulates retrograde transport between early endosomes and the TGN. <i>Journal of Cell Science</i> , <b>2010</b> , 123, 2381-90	5.3	22
75	A new delivery system for auristatin in STxB-drug conjugate therapy. <i>European Journal of Medicinal Chemistry</i> , <b>2015</b> , 95, 483-91	6.8	21
74	Human breast cancer and lymph node metastases express Gb3 and can be targeted by STxB-vectorized chemotherapeutic compounds. <i>BMC Cancer</i> , <b>2014</b> , 14, 916	4.8	21
73	Thermodynamic analysis of the structural stability of the shiga toxin B-subunit. <i>Biochemistry</i> , <b>2003</b> , 42, 9498-506	3.2	21
72	Retrograde Trafficking Inhibitor of Shiga Toxins Reduces Morbidity and Mortality of Mice Infected with Enterohemorrhagic Escherichia coli. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2015</b> , 59, 5010-3	5.9	20
71	The epithelial cell cytoskeleton and intracellular trafficking. I. Shiga toxin B-subunit system: retrograde transport, intracellular vectorization, and more. <i>American Journal of Physiology - Renal Physiology</i> , <b>2002</b> , 283, G1-7	5.1	20
70	Effects of HIV-1 Nef on retrograde transport from the plasma membrane to the endoplasmic reticulum. <i>Traffic</i> , <b>2003</b> , 4, 323-32	5.7	20
69	Two-dimensional structures of the Shiga toxin B-subunit and of a chimera bound to the glycolipid receptor Gb3. <i>Journal of Structural Biology</i> , <b>2002</b> , 139, 113-21	3.4	20
68	Shiga toxin induces membrane reorganization and formation of long range lipid order. <i>Soft Matter</i> , <b>2015</b> , 11, 186-92	3.6	19
67	Inhibitors of retrograde trafficking active against ricin and Shiga toxins also protect cells from several viruses, Leishmania and Chlamydiales. <i>Chemico-Biological Interactions</i> , <b>2017</b> , 267, 96-103	5	19



66	Passage through the Golgi is necessary for Shiga toxin B subunit to reach the endoplasmic reticulum. <i>FEBS Journal</i> , <b>2009</b> , 276, 1581-95	5.7	19
65	Shiga toxin B-subunit sequential binding to its natural receptor in lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , <b>2007</b> , 1768, 628-36	3.8	19
64	Functional dissection of the retrograde Shiga toxin trafficking inhibitor Retro-2. <i>Nature Chemical Biology</i> , <b>2020</b> , 16, 327-336	11.7	18
63	The effects of globotriaosylceramide tail saturation level on bilayer phases. <i>Soft Matter</i> , <b>2015</b> , 11, 1352-61	6.1	18
62	Tumor Delivery of Ultrasound Contrast Agents Using Shiga Toxin B Subunit. <i>Molecular Imaging</i> , <b>2011</b> , 10, 7290.2010.00030	3.7	18
61	Clathrin-independent endocytosis, retrograde trafficking, and cell polarity. <i>Current Opinion in Cell Biology</i> , <b>2020</b> , 65, 112-121	9	18
60	III spectrin regulates the structural integrity and the secretory protein transport of the Golgi complex. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 2157-66	5.4	16
59	Functional analysis of Arl1 and golgin-97 in endosome-to-TGN transport using recombinant Shiga toxin B fragment. <i>Methods in Enzymology</i> , <b>2005</b> , 404, 442-53	1.7	16
58	Metal-Free Activation of a C(sp)-H Bond of Aryl Acetylenes. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 14812-14815	4.8	16
57	MALDI-2 Mass Spectrometry and Immunohistochemistry Imaging of Gb3Cer, Gb4Cer, and Further Glycosphingolipids in Human Colorectal Cancer Tissue. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 7096-7105	7.8	15
56	Galectin-3 modulation of T-cell activation: mechanisms of membrane remodelling. <i>Progress in Lipid Research</i> , <b>2019</b> , 76, 101010	14.3	15
55	Synthesis of peptide-protein conjugates using N-succinimidyl carbamate chemistry. <i>Bioconjugate Chemistry</i> , <b>2010</b> , 21, 219-28	6.3	15
54	Synthesis and properties of a mitochondrial peripheral benzodiazepine receptor conjugate. <i>ChemMedChem</i> , <b>2008</b> , 3, 1687-95	3.7	15
53	Shiga Toxin Induces Lipid Compression: A Mechanism for Generating Membrane Curvature. <i>Nano Letters</i> , <b>2019</b> , 19, 7365-7369	11.5	14
52	Glycosylation and raft endocytosis in cancer. <i>Cancer and Metastasis Reviews</i> , <b>2020</b> , 39, 375-396	9.6	14
51	Key role of receptor density in colloid/cell specific interaction: a quantitative biomimetic study on giant vesicles. <i>European Physical Journal E</i> , <b>2008</b> , 26, 205-16	1.5	14
50	Synthesis of globo- and isoglobotriosides bearing a cinnamoylphenyl tag as novel electrophilic thiol-specific carbohydrate reagents. <i>Carbohydrate Research</i> , <b>2006</b> , 341, 2026-36	2.9	14
49	In vivo tumor targeting by the B-subunit of shiga toxin. <i>Molecular Imaging</i> , <b>2008</b> , 7, 239-47	3.7	14

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