

Leonhard MÄjckl

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7845238/publications.pdf>

Version: 2024-02-01

31
papers

1,194
citations

516710

16
h-index

414414

32
g-index

41
all docs

41
docs citations

41
times ranked

2046
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-color super-resolution imaging to study human coronavirus RNA during cellular infection. <i>Cell Reports Methods</i> , 2022, 2, 100170.	2.9	13
2	Small molecule inhibitors of mammalian glycosylation. <i>Matrix Biology Plus</i> , 2022, 16, 100108.	3.5	6
3	Genome-wide CRISPR screens reveal a specific ligand for the glycan-binding immune checkpoint receptor Siglec-7. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	73
4	Super-resolution Microscopy with Single Molecules in Biology and Beyond—Essentials, Current Trends, and Future Challenges. <i>Journal of the American Chemical Society</i> , 2020, 142, 17828-17844.	13.7	108
5	Supersensitive Multifluorophore RNA-FISH for Early Virus Detection and Flow-FISH by Using Click Chemistry. <i>ChemBioChem</i> , 2020, 21, 2214-2218.	2.6	5
6	Accurate and rapid background estimation in single-molecule localization microscopy using the deep neural network BGnet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 60-67.	7.1	46
7	The Emerging Role of the Mammalian Glycocalyx in Functional Membrane Organization and Immune System Regulation. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 253.	3.7	128
8	Deep learning in single-molecule microscopy: fundamentals, caveats, and recent developments [Invited]. <i>Biomedical Optics Express</i> , 2020, 11, 1633.	2.9	65
9	Quantitative Super-Resolution Microscopy of the Mammalian Glycocalyx. <i>Developmental Cell</i> , 2019, 50, 57-72.e6.	7.0	74
10	Bisacylphosphane oxides as photo-latent cytotoxic agents and potential photo-latent anticancer drugs. <i>Scientific Reports</i> , 2019, 9, 6003.	3.3	6
11	A Photoswitchable Trivalent Cluster Mannoside to Probe the Effects of Ligand Orientation in Bacterial Adhesion. <i>ChemBioChem</i> , 2019, 20, 2373-2382.	2.6	8
12	Physical Principles of Membrane Shape Regulation by the Glycocalyx. <i>Cell</i> , 2019, 177, 1757-1770.e21.	28.9	187
13	Accurate phase retrieval of complex 3D point spread functions with deep residual neural networks. <i>Applied Physics Letters</i> , 2019, 115, 251106.	3.3	33
14	Die neue Macht des Forschers. <i>Nachrichten Aus Der Chemie</i> , 2018, 66, 103-103.	0.0	0
15	Von Kautschuk zu Metallen: ein Werkslabor mit Weltgeltung. <i>Nachrichten Aus Der Chemie</i> , 2018, 66, 892-895.	0.0	0
16	Invasiveness of Cells Leads to Changes in Their Interaction Behavior with the Glycocalyx. <i>Advanced Biology</i> , 2018, 2, 1800083.	3.0	1
17	The Endothelial Glycocalyx Controls Interactions of Quantum Dots with the Endothelium and Their Translocation across the Blood-Tissue Border. <i>ACS Nano</i> , 2017, 11, 1498-1508.	14.6	24
18	The glycocalyx regulates the uptake of nanoparticles by human endothelial cells <i>in vitro</i> . <i>Nanomedicine</i> , 2017, 12, 207-217.	3.3	29

#	ARTICLE	IF	CITATIONS
19	Azido Pentoses: A New Tool To Efficiently Label <i>Mycobacterium tuberculosis</i> Clinical Isolates. <i>ChemBioChem</i> , 2017, 18, 1172-1176.	2.6	17
20	Dendrimer-Based Signal Amplification of Click-Labelled DNA in Situ. <i>ChemBioChem</i> , 2017, 18, 1716-1720.	2.6	10
21	New insights into the intracellular distribution pattern of cationic amphiphilic drugs. <i>Scientific Reports</i> , 2017, 7, 44277.	3.3	21
22	More Than 50 Years after Its Discovery in SiO ₂ Octahedral Coordination Has Also Been Established in SiS ₂ at High Pressure. <i>Inorganic Chemistry</i> , 2017, 56, 372-377.	4.0	6
23	Artificial Formation and Tuning of Glycoprotein Networks on Live Cell Membranes: A Single-Molecule Tracking Study. <i>ChemPhysChem</i> , 2016, 17, 829-835.	2.1	2
24	En route from artificial to natural: Evaluation of inhibitors of mannose-specific adhesion of <i>E. coli</i> under flow. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 2031-2036.	2.4	4
25	Switching first contact: photocontrol of <i>E. coli</i> adhesion to human cells. <i>Chemical Communications</i> , 2016, 52, 1254-1257.	4.1	22
26	Microdomain Formation Controls Spatiotemporal Dynamics of Cell-Surface Glycoproteins. <i>ChemBioChem</i> , 2015, 16, 2023-2028.	2.6	7
27	Two High-Pressure Phases of SiS ₂ as Missing Links between the Extremes of Only Edge-Sharing and Only Corner-Sharing Tetrahedra. <i>Inorganic Chemistry</i> , 2015, 54, 1240-1253.	4.0	16
28	Cell-Penetrating and Neurotargeting Dendritic siRNA Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1946-1949.	13.8	44
29	Super-Resolved Fluorescence Microscopy: Nobel Prize in Chemistry 2014 for Eric Betzig, Stefan Hell, and William E. Moerner. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13972-13977.	13.8	105
30	Der Wittelsbacher und der Hope-Diamant. <i>Chemie in Unserer Zeit</i> , 2012, 46, 356-364.	0.1	2
31	Tuning Nanoparticle Uptake: Live-Cell Imaging Reveals Two Distinct Endocytosis Mechanisms Mediated by Natural and Artificial EGFR Targeting Ligand. <i>Nano Letters</i> , 2012, 12, 3417-3423.	9.1	111