Thomas Schlichthaerle

List of Publications by Year
in descending order

25 papers	2,156 citations	430874 18 h-index	580821 25 g-index
32 all docs	32 docs citations	32 times ranked	2724 citing authors

#	Article	IF	Citations
1	Nanoscale Pattern Extraction from Relative Positions of Sparse 3D Localizations. Nano Letters, 2021, 21, 1213-1220.	9.1	19
2	DNA origami demonstrate the unique stimulatory power of single pMHCs as T cell antigens. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	63
3	Quantitative single-protein imaging reveals molecular complex formation of integrin, talin, and kindlin during cell adhesion. Nature Communications, 2021, 12, 919.	12.8	31
4	Quantitative Assessment of Labeling Probes for Superâ€Resolution Microscopy Using Designer DNA Nanostructures. ChemPhysChem, 2021, 22, 911-914.	2.1	18
5	Super-resolved visualization of single DNA-based tension sensors in cell adhesion. Nature Communications, 2021, 12, 2510.	12.8	22
6	Site-Specifically-Labeled Antibodies for Super-Resolution Microscopy Reveal <i>In Situ</i> Linkage Errors. ACS Nano, 2021, 15, 12161-12170.	14.6	38
7	Peptideâ€PAINT Enables Investigation of Endogenous Talin with Molecular Scale Resolution in Cells and Tissues. ChemBioChem, 2021, 22, 2872-2879.	2.6	8
8	Circumvention of common labelling artefacts using secondary nanobodies. Nanoscale, 2020, 12, 10226-10239.	5.6	61
9	Direct Visualization of Single Nuclear Pore Complex Proteins Using Geneticallyâ€Encoded Probes for DNAâ€PAINT. Angewandte Chemie - International Edition, 2019, 58, 13004-13008.	13.8	77
10	Bayesian Multiple Emitter Fitting using Reversible Jump Markov Chain Monte Carlo. Scientific Reports, 2019, 9, 13791.	3.3	17
11	Direct Visualization of Single Nuclear Pore Complex Proteins Using Geneticallyâ€Encoded Probes for DNAâ€PAINT. Angewandte Chemie, 2019, 131, 13138-13142.	2.0	16
12	The ALFA-tag is a highly versatile tool for nanobody-based bioscience applications. Nature Communications, 2019, 10, 4403.	12.8	278
13	Bacterially Derived Antibody Binders as Small Adapters for DNAâ€PAINT Microscopy. ChemBioChem, 2019, 20, 1032-1038.	2.6	25
14	The centrosome protein AKNA regulates neurogenesis via microtubule organization. Nature, 2019, 567, 113-117.	27.8	67
15	Ortsspezifische Funktionalisierung von Affimeren fÃ¼r die DNAâ€PAINTâ€Mikroskopie. Angewandte Chemie, 2018, 130, 11226-11230.	2.0	11
16	Nanometerâ€scale Multiplexed Superâ€Resolution Imaging with an Economic 3Dâ€DNAâ€PAINT Microscope. ChemPhysChem, 2018, 19, 3024-3034.	2.1	36
17	Direct induction of microtubule branching by microtubule nucleation factor SSNA1. Nature Cell Biology, 2018, 20, 1172-1180.	10.3	48
18	Siteâ€Specific Labeling of Affimers for DNAâ€PAINT Microscopy. Angewandte Chemie - International Edition, 2018, 57, 11060-11063.	13.8	71

#	Article	IF	Citations
19	Universal Superâ€Resolution Multiplexing by DNA Exchange. Angewandte Chemie - International Edition, 2017, 56, 4052-4055.	13.8	79
20	Super-resolution microscopy with DNA-PAINT. Nature Protocols, 2017, 12, 1198-1228.	12.0	689
21	Fast, Background-Free DNA-PAINT Imaging Using FRET-Based Probes. Nano Letters, 2017, 17, 6428-6434.	9.1	95
22	Universelles SuperauflÃ¶sungsâ€Multiplexing durch DNAâ€Austausch. Angewandte Chemie, 2017, 129, 4111-4114.	2.0	8
23	Comparison of small animal CT contrast agents. Contrast Media and Molecular Imaging, 2016, 11, 272-284.	0.8	33
24	DNA nanotechnology and fluorescence applications. Current Opinion in Biotechnology, 2016, 39, 41-47.	6.6	38
25	Polyhedra Self-Assembled from DNA Tripods and Characterized with 3D DNA-PAINT. Science, 2014, 344, 65-69.	12.6	299