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	Super-resolution microscopy with DNA-PAINT. Nature Protocols, 2017, 12, 1198-1228.	12.0	689
2	Polyhedra Self-Assembled from DNA Tripods and Characterized with 3D DNA-PAINT. Science, 2014, 344, 65-69.	12.6	299
3	The ALFA-tag is a highly versatile tool for nanobody-based bioscience applications. Nature Communications, 2019, 10, 4403.	12.8	278
4	Fast, Background-Free DNA-PAINT Imaging Using FRET-Based Probes. Nano Letters, 2017, 17, 6428-6434.	9.1	95
5	Universal Superâ€Resolution Multiplexing by DNA Exchange. Angewandte Chemie - International Edition, 2017, 56, 4052-4055.	13.8	79
6	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
7	Siteâ€Specific Labeling of Affimers for DNAâ€PAINT Microscopy. Angewandte Chemie - International Edition, 2018, 57, 11060-11063.	13.8	71
8	The centrosome protein AKNA regulates neurogenesis via microtubule organization. Nature, 2019, 567, 113-117.	27.8	67
9	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
10	Circumvention of common labelling artefacts using secondary nanobodies. Nanoscale, 2020, 12, 10226-10239.	5.6	61
11	Direct induction of microtubule branching by microtubule nucleation factor SSNA1. Nature Cell Biology, 2018, 20, 1172-1180.	10.3	48
12	DNA nanotechnology and fluorescence applications. Current Opinion in Biotechnology, 2016, 39, 41-47.	6.6	38
13	Site-Specifically-Labeled Antibodies for Super-Resolution Microscopy Reveal In Situ Linkage Errors. ACS Nano, 2021, 15, 12161-12170.	14.6	38
14	Nanometerâ€scale Multiplexed Superâ€Resolution Imaging with an Economic 3Dâ€DNAâ€PAINT Microscope. ChemPhysChem, 2018, 19, 3024-3034.	2.1	36
15	Comparison of small animal CT contrast agents. Contrast Media and Molecular Imaging, 2016, 11, 272-284.	0.8	33
16	Quantitative single-protein imaging reveals molecular complex formation of integrin, talin, and kindlin during cell adhesion. Nature Communications, 2021, 12, 919.	12.8	31
17	Bacterially Derived Antibody Binders as Small Adapters for DNAâ€PAINT Microscopy. ChemBioChem, 2019, 20, 1032-1038.	2.6	25
18	Super-resolved visualization of single DNA-based tension sensors in cell adhesion. Nature Communications, 2021, 12, 2510.	12.8	22

#	Article	IF	Citations
19	Nanoscale Pattern Extraction from Relative Positions of Sparse 3D Localizations. Nano Letters, 2021, 21, 1213-1220.	9.1	19
20	Quantitative Assessment of Labeling Probes for Superâ€Resolution Microscopy Using Designer DNA Nanostructures. ChemPhysChem, 2021, 22, 911-914.	2.1	18
21	Bayesian Multiple Emitter Fitting using Reversible Jump Markov Chain Monte Carlo. Scientific Reports, 2019, 9, 13791.	3.3	17
22	Direct Visualization of Single Nuclear Pore Complex Proteins Using Geneticallyâ€Encoded Probes for DNAâ€PAINT. Angewandte Chemie, 2019, 131, 13138-13142.	2.0	16
23	Ortsspezifische Funktionalisierung von Affimeren fÃ¼r die DNAâ€PAINTâ€Mikroskopie. Angewandte Chemie, 2018, 130, 11226-11230.	2.0	11
24	Universelles SuperauflÃ¶sungsâ€Multiplexing durch DNAâ€Austausch. Angewandte Chemie, 2017, 129, 4111-4114.	2.0	8
25	Peptideâ€PAINT Enables Investigation of Endogenous Talin with Molecular Scale Resolution in Cells and Tissues. ChemBioChem, 2021, 22, 2872-2879.	2.6	8