

# Thomas Schlichthaerle

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9309464/publications.pdf>

Version: 2024-02-01

25  
papers

2,156  
citations

430442

18  
h-index

580395

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.	5.5	689
2	Polyhedra Self-Assembled from DNA Tripods and Characterized with 3D DNA-PAINT. Science, 2014, 344, 65-69.	6.0	299
3	The ALFA-tag is a highly versatile tool for nanobody-based bioscience applications. Nature Communications, 2019, 10, 4403.	5.8	278
4	Fast, Background-Free DNA-PAINT Imaging Using FRET-Based Probes. Nano Letters, 2017, 17, 6428-6434.	4.5	95
5	Universal Super-Resolution Multiplexing by DNA Exchange. Angewandte Chemie - International Edition, 2017, 56, 4052-4055.	7.2	79
6	Direct Visualization of Single Nuclear Pore Complex Proteins Using Genetically Encoded Probes for DNA-PAINT. Angewandte Chemie - International Edition, 2019, 58, 13004-13008.	7.2	77
7	Site-Specific Labeling of Affimers for DNA-PAINT Microscopy. Angewandte Chemie - International Edition, 2018, 57, 11060-11063.	7.2	71
8	The centrosome protein AKNA regulates neurogenesis via microtubule organization. Nature, 2019, 567, 113-117.	13.7	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, .	3.3	63
10	Circumvention of common labelling artefacts using secondary nanobodies. Nanoscale, 2020, 12, 10226-10239.	2.8	61
11	Direct induction of microtubule branching by microtubule nucleation factor SSNA1. Nature Cell Biology, 2018, 20, 1172-1180.	4.6	48
12	DNA nanotechnology and fluorescence applications. Current Opinion in Biotechnology, 2016, 39, 41-47.	3.3	38
13	Site-Specifically-Labeled Antibodies for Super-Resolution Microscopy Reveal <i>In Situ</i> Linkage Errors. ACS Nano, 2021, 15, 12161-12170.	7.3	38
14	Nanometer-scale Multiplexed Super-Resolution Imaging with an Economic 3D-DNA-PAINT Microscope. ChemPhysChem, 2018, 19, 3024-3034.	1.0	36
15	Comparison of small animal CT contrast agents. Contrast Media and Molecular Imaging, 2016, 11, 272-284.	0.4	33
16	Quantitative single-protein imaging reveals molecular complex formation of integrin, talin, and kindlin during cell adhesion. Nature Communications, 2021, 12, 919.	5.8	31
17	Bacterially Derived Antibody Binders as Small Adapters for DNA-PAINT Microscopy. ChemBioChem, 2019, 20, 1032-1038.	1.3	25
18	Super-resolved visualization of single DNA-based tension sensors in cell adhesion. Nature Communications, 2021, 12, 2510.	5.8	22

#	ARTICLE	IF	CITATIONS
19	Nanoscale Pattern Extraction from Relative Positions of Sparse 3D Localizations. Nano Letters, 2021, 21, 1213-1220.	4.5	19
20	Quantitative Assessment of Labeling Probes for Super-resolution Microscopy Using Designer DNA Nanostructures. ChemPhysChem, 2021, 22, 911-914.	1.0	18
21	Bayesian Multiple Emitter Fitting using Reversible Jump Markov Chain Monte Carlo. Scientific Reports, 2019, 9, 13791.	1.6	17
22	Direct Visualization of Single Nuclear Pore Complex Proteins Using Genetically Encoded Probes for DNA-PAINt. Angewandte Chemie, 2019, 131, 13138-13142.	1.6	16
23	Ortsspezifische Funktionalisierung von Affimern für die DNA-PAINt-Mikroskopie. Angewandte Chemie, 2018, 130, 11226-11230.	1.6	11
24	Universelles Superauflösungs-Multiplexing durch DNA-Austausch. Angewandte Chemie, 2017, 129, 4111-4114.	1.6	8
25	Peptide-PAINt Enables Investigation of Endogenous Talin with Molecular Scale Resolution in Cells and Tissues. ChemBioChem, 2021, 22, 2872-2879.	1.3	8