

# Florian Schueder

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38 papers	1,976 citations	20 h-index	44 g-index
46 ext. papers	2,877 ext. citations	14.5 avg, IF	5.07 L-index

#	Paper	IF	Citations
38	Super-resolution microscopy with DNA-PAINT. <i>Nature Protocols</i> , <b>2017</b> , 12, 1198-1228	18.8	360
37	Programmable self-assembly of three-dimensional nanostructures from 10,000 unique components. <i>Nature</i> , <b>2017</b> , 552, 72-77	50.4	237
36	The nucleolus functions as a phase-separated protein quality control compartment. <i>Science</i> , <b>2019</b> , 365, 342-347	33.3	185
35	Routing of individual polymers in designed patterns. <i>Nature Nanotechnology</i> , <b>2015</b> , 10, 892-8	28.7	142
34	DNA-barcoded labeling probes for highly multiplexed Exchange-PAINT imaging. <i>Chemical Science</i> , <b>2017</b> , 8, 3080-3091	9.4	117
33	Multiplexed 3D super-resolution imaging of whole cells using spinning disk confocal microscopy and DNA-PAINT. <i>Nature Communications</i> , <b>2017</b> , 8, 2090	17.4	83
32	Quantifying absolute addressability in DNA origami with molecular resolution. <i>Nature Communications</i> , <b>2018</b> , 9, 1600	17.4	73
31	Localization microscopy at doubled precision with patterned illumination. <i>Nature Methods</i> , <b>2020</b> , 17, 59-63	21.6	72
30	Organellar Proteomics and Phospho-Proteomics Reveal Subcellular Reorganization in Diet-Induced Hepatic Steatosis. <i>Developmental Cell</i> , <b>2018</b> , 47, 205-221.e7	10.2	70
29	Single-molecule localization microscopy. <i>Nature Reviews Methods Primers</i> , <b>2021</b> , 1,		67
28	Universal Super-Resolution Multiplexing by DNA Exchange. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 4052-4055	16.4	62
27	Direct Visualization of Single Nuclear Pore Complex Proteins Using Genetically-Encoded Probes for DNA-PAINT. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 13004-13008	16.4	57
26	Site-Specific Labeling of Affimers for DNA-PAINT Microscopy. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 11060-11063	16.4	55
25	An order of magnitude faster DNA-PAINT imaging by optimized sequence design and buffer conditions. <i>Nature Methods</i> , <b>2019</b> , 16, 1101-1104	21.6	55
24	124-Color Super-resolution Imaging by Engineering DNA-PAINT Blinking Kinetics. <i>Nano Letters</i> , <b>2019</b> , 19, 2641-2646	11.5	47
23	Flat-top TIRF illumination boosts DNA-PAINT imaging and quantification. <i>Nature Communications</i> , <b>2019</b> , 10, 1268	17.4	39
22	Anle138b and related compounds are aggregation specific fluorescence markers and reveal high affinity binding to $\beta$ -synuclein aggregates. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2015</b> , 1850, 1884-90	4	39

21	Live-cell super-resolved PAINT imaging of piconewton cellular traction forces. <i>Nature Methods</i> , <b>2020</b> , 17, 1018-1024	21.6	35
20	DNA nanotechnology and fluorescence applications. <i>Current Opinion in Biotechnology</i> , <b>2016</b> , 39, 41-47	11.4	31
19	Template-free 2D particle fusion in localization microscopy. <i>Nature Methods</i> , <b>2018</b> , 15, 781-784	21.6	27
18	Toward Absolute Molecular Numbers in DNA-PAINT. <i>Nano Letters</i> , <b>2019</b> , 19, 8182-8190	11.5	20
17	Nanometer-scale Multiplexed Super-Resolution Imaging with an Economic 3D-DNA-PAINT Microscope. <i>ChemPhysChem</i> , <b>2018</b> , 19, 3024-3034	3.2	19
16	Direct Visualization of Single Nuclear Pore Complex Proteins Using Genetically-Encoded Probes for DNA-PAINT. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 13138-13142	3.6	13
15	Complex multicomponent patterns rendered on a 3D DNA-barrel pegboard. <i>Nature Communications</i> , <b>2020</b> , 11, 5768	17.4	13
14	Ortsspezifische Funktionalisierung von Affimeren für die DNA-PAINT-Mikroskopie. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 11226-11230	3.6	10
13	Dynamic host-guest interaction enables autonomous single molecule blinking and super-resolution imaging. <i>Chemical Communications</i> , <b>2019</b> , 55, 14430-14433	5.8	9
12	Universelles Superauflösungs-Multiplexing durch DNA-Austausch. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 4111-4114	3.6	7
11	3D particle averaging and detection of macromolecular symmetry in localization microscopy. <i>Nature Communications</i> , <b>2021</b> , 12, 2847	17.4	6
10	Bayesian Multiple Emitter Fitting using Reversible Jump Markov Chain Monte Carlo. <i>Scientific Reports</i> , <b>2019</b> , 9, 13791	4.9	5
9	Localization microscopy at doubled precision with patterned illumination		4
8	Visualization of loop extrusion by DNA nanoscale tracing in single human cells		4
7	Detecting structural heterogeneity in single-molecule localization microscopy data. <i>Nature Communications</i> , <b>2021</b> , 12, 3791	17.4	3
6	Super-Resolution Spatial Proximity Detection with Proximity-PAINT. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 716-720	16.4	3
5	Double- to Single-Strand Transition Induces Forces and Motion in DNA Origami Nanostructures. <i>Advanced Materials</i> , <b>2021</b> , 33, e2101986	24	3
4	Principles of RNA recruitment to viral ribonucleoprotein condensates in a segmented dsRNA virus		2

- 3 Nanobodies combined with DNA-PAINT super-resolution reveal a staggered titin nano-architecture in flight muscles 1
- 2 DNA-Barcoded Fluorescence Microscopy for Spatial Omics. *Proteomics*, **2020**, 20, e1900368 4.8 0
- 1 Superaufgelöste Erkennung räumlicher NBe mit Proximity-PAINT. *Angewandte Chemie*, **2021**, 133, 726-731 3.6