

Florian Schueder

List of Publications by Year in Descending Order

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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	3D particle averaging and detection of macromolecular symmetry in localization microscopy. <i>Nature Communications</i> , 2021 , 12, 2847	17.4	6
37	Single-molecule localization microscopy. <i>Nature Reviews Methods Primers</i> , 2021 , 1,		67
36	Detecting structural heterogeneity in single-molecule localization microscopy data. <i>Nature Communications</i> , 2021 , 12, 3791	17.4	3
35	Superaufgelöste Erkennung räumlicher Nfße mit Proximity-PAINT. <i>Angewandte Chemie</i> , 2021 , 133, 726-731	3.6	
34	Super-Resolution Spatial Proximity Detection with Proximity-PAINT. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 716-720	16.4	3
33	Double- to Single-Strand Transition Induces Forces and Motion in DNA Origami Nanostructures. <i>Advanced Materials</i> , 2021 , 33, e2101986	24	3
32	Localization microscopy at doubled precision with patterned illumination. <i>Nature Methods</i> , 2020 , 17, 59-63	21.6	72
31	DNA-Barcoded Fluorescence Microscopy for Spatial Omics. <i>Proteomics</i> , 2020 , 20, e1900368	4.8	0
30	Complex multicomponent patterns rendered on a 3D DNA-barrel pegboard. <i>Nature Communications</i> , 2020 , 11, 5768	17.4	13
29	Live-cell super-resolved PAINT imaging of piconewton cellular traction forces. <i>Nature Methods</i> , 2020 , 17, 1018-1024	21.6	35
28	Direct Visualization of Single Nuclear Pore Complex Proteins Using Genetically-Encoded Probes for DNA-PAINT. <i>Angewandte Chemie</i> , 2019 , 131, 13138-13142	3.6	13
27	Toward Absolute Molecular Numbers in DNA-PAINT. <i>Nano Letters</i> , 2019 , 19, 8182-8190	11.5	20
26	124-Color Super-resolution Imaging by Engineering DNA-PAINT Blinking Kinetics. <i>Nano Letters</i> , 2019 , 19, 2641-2646	11.5	47
25	Flat-top TIRF illumination boosts DNA-PAINT imaging and quantification. <i>Nature Communications</i> , 2019 , 10, 1268	17.4	39
24	The nucleolus functions as a phase-separated protein quality control compartment. <i>Science</i> , 2019 , 365, 342-347	33.3	185
23	Direct Visualization of Single Nuclear Pore Complex Proteins Using Genetically-Encoded Probes for DNA-PAINT. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13004-13008	16.4	57
22	Bayesian Multiple Emitter Fitting using Reversible Jump Markov Chain Monte Carlo. <i>Scientific Reports</i> , 2019 , 9, 13791	4.9	5

21	Dynamic host-guest interaction enables autonomous single molecule blinking and super-resolution imaging. <i>Chemical Communications</i> , 2019 , 55, 14430-14433	5.8	9
20	An order of magnitude faster DNA-PAINT imaging by optimized sequence design and buffer conditions. <i>Nature Methods</i> , 2019 , 16, 1101-1104	21.6	55
19	Quantifying absolute addressability in DNA origami with molecular resolution. <i>Nature Communications</i> , 2018 , 9, 1600	17.4	73
18	Site-Specific Labeling of Affimers for DNA-PAINT Microscopy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11060-11063	16.4	55
17	Ortsspezifische Funktionalisierung von Affimern für die DNA-PAINT-Mikroskopie. <i>Angewandte Chemie</i> , 2018 , 130, 11226-11230	3.6	10
16	Nanometer-scale Multiplexed Super-Resolution Imaging with an Economic 3D-DNA-PAINT Microscope. <i>ChemPhysChem</i> , 2018 , 19, 3024-3034	3.2	19
15	Organellar Proteomics and Phospho-Proteomics Reveal Subcellular Reorganization in Diet-Induced Hepatic Steatosis. <i>Developmental Cell</i> , 2018 , 47, 205-221.e7	10.2	70
14	Template-free 2D particle fusion in localization microscopy. <i>Nature Methods</i> , 2018 , 15, 781-784	21.6	27
13	Universal Super-Resolution Multiplexing by DNA Exchange. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4052-4055	16.4	62
12	DNA-barcoded labeling probes for highly multiplexed Exchange-PAINT imaging. <i>Chemical Science</i> , 2017 , 8, 3080-3091	9.4	117
11	Super-resolution microscopy with DNA-PAINT. <i>Nature Protocols</i> , 2017 , 12, 1198-1228	18.8	360
10	Universelles Superauflösungs-Multiplexing durch DNA-Austausch. <i>Angewandte Chemie</i> , 2017 , 129, 4111-4114	3.6	7
9	Multiplexed 3D super-resolution imaging of whole cells using spinning disk confocal microscopy and DNA-PAINT. <i>Nature Communications</i> , 2017 , 8, 2090	17.4	83
8	Programmable self-assembly of three-dimensional nanostructures from 10,000 unique components. <i>Nature</i> , 2017 , 552, 72-77	50.4	237
7	DNA nanotechnology and fluorescence applications. <i>Current Opinion in Biotechnology</i> , 2016 , 39, 41-47	11.4	31
6	Routing of individual polymers in designed patterns. <i>Nature Nanotechnology</i> , 2015 , 10, 892-8	28.7	142
5	Anle138b and related compounds are aggregation specific fluorescence markers and reveal high affinity binding to β -synuclein aggregates. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015 , 1850, 1884-90	4	39
4	Localization microscopy at doubled precision with patterned illumination		4

3	Principles of RNA recruitment to viral ribonucleoprotein condensates in a segmented dsRNA virus	2
2	Visualization of loop extrusion by DNA nanoscale tracing in single human cells	4
1	Nanobodies combined with DNA-PAINT super-resolution reveal a staggered titin nano-architecture in flight muscles	1