Philip Tinnefeld

List of Publications by Year
in descending order

165 papers	14,240 citations	23567 58 h-index	22166 113 g-index
181 all docs	181 docs citations	181 times ranked	12122 citing authors

#	Article	IF	Citations
1	Subdiffractionâ€Resolution Fluorescence Imaging with Conventional Fluorescent Probes. Angewandte Chemie - International Edition, 2008, 47, 6172-6176.	13.8	1,659
2	Single-Molecule Kinetics and Super-Resolution Microscopy by Fluorescence Imaging of Transient Binding on DNA Origami. Nano Letters, 2010, 10, 4756-4761.	9.1	716
3	Fluorescence Enhancement at Docking Sites of DNA-Directed Self-Assembled Nanoantennas. Science, 2012, 338, 506-510.	12.6	603
4	Photophysics of Fluorescent Probes for Single-Molecule Biophysics and Super-Resolution Imaging. Annual Review of Physical Chemistry, 2012, 63, 595-617.	10.8	594
5	A Reducing and Oxidizing System Minimizes Photobleaching and Blinking of Fluorescent Dyes. Angewandte Chemie - International Edition, 2008, 47, 5465-5469.	13.8	538
6	Carbocyanine Dyes as Efficient Reversible Single-Molecule Optical Switch. Journal of the American Chemical Society, 2005, 127, 3801-3806.	13.7	388
7	Precision and accuracy of single-molecule FRET measurementsâ€"a multi-laboratory benchmark study. Nature Methods, 2018, 15, 669-676.	19.0	350
8	The 2015 super-resolution microscopy roadmap. Journal Physics D: Applied Physics, 2015, 48, 443001.	2.8	291
9	On the Mechanism of Trolox as Antiblinking and Antibleaching Reagent. Journal of the American Chemical Society, 2009, 131, 5018-5019.	13.7	287
10	Distance Dependence of Single-Fluorophore Quenching by Gold Nanoparticles Studied on DNA Origami. ACS Nano, 2012, 6, 3189-3195.	14.6	274
11	DNA Origami as a Nanoscopic Ruler for Superâ€Resolution Microscopy. Angewandte Chemie - International Edition, 2009, 48, 8870-8873.	13.8	260
12	Single-Molecule Four-Color FRET Visualizes Energy-Transfer Paths on DNA Origami. Journal of the American Chemical Society, 2011, 133, 4193-4195.	13.7	252
13	Controlling the fluorescence of ordinary oxazine dyes for single-molecule switching and superresolution microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 8107-8112.	7.1	250
14	Molecular force spectroscopy with a DNA origamiâ€"based nanoscopic force clamp. Science, 2016, 354, 305-307.	12.6	234
15	Branching Out of Singleâ€Molecule Fluorescence Spectroscopy: Challenges for Chemistry and Influence on Biology. Angewandte Chemie - International Edition, 2005, 44, 2642-2671.	13.8	232
16	DNA Origami Nanoantennas with over 5000-fold Fluorescence Enhancement and Single-Molecule Detection at 25 Î¼M. Nano Letters, 2015, 15, 8354-8359.	9.1	198
17	Superresolution Microscopy on the Basis of Engineered Dark States. Journal of the American Chemical Society, 2008, 130, 16840-16841.	13.7	193
18	Multistep Energy Transfer in Single Molecular Photonic Wires. Journal of the American Chemical Society, 2004, 126, 6514-6515.	13.7	192

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19	Make them Blink: Probes for Superâ€Resolution Microscopy. ChemPhysChem, 2010, 11, 2475-2490.	2.1	183
20	Breaking the concentration limit of optical single-molecule detection. Chemical Society Reviews, 2014, 43, 1014-1028.	38.1	179
21	Revealing competitive Forster-type resonance energy-transfer pathways in single bichromophoric molecules. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 13146-13151.	7.1	168
22	DNA origamiâ€"based standards for quantitative fluorescence microscopy. Nature Protocols, 2014, 9, 1367-1391.	12.0	147
23	Direct Observation of Abortive Initiation and Promoter Escape within Single Immobilized Transcription Complexes. Biophysical Journal, 2006, 90, 1419-1431.	0.5	136
24	Measuring the Number of Independent Emitters in Single-Molecule Fluorescence Images and Trajectories Using Coincident Photons. Analytical Chemistry, 2002, 74, 5342-5349.	6.5	134
25	Antibunching in the Emission of a Single Tetrachromophoric Dendritic System. Journal of the American Chemical Society, 2002, 124, 14310-14311.	13.7	129
26	Singleâ€Molecule FRET Ruler Based on Rigid DNA Origami Blocks. ChemPhysChem, 2011, 12, 689-695.	2.1	129
27	Fluorescence and super-resolution standards based on DNA origami. Nature Methods, 2012, 9, 1133-1134.	19.0	129
28	Photophysical Dynamics of Single Molecules Studied by Spectrally-Resolved Fluorescence Lifetime Imaging Microscopy (SFLIM). Journal of Physical Chemistry A, 2001, 105, 7989-8003.	2.5	120
29	Probing FÃ¶rster Type Energy Pathways in a First Generation Rigid Dendrimer Bearing Two Perylene Imide Chromophores. Journal of Physical Chemistry A, 2003, 107, 6920-6931.	2.5	119
30	One-Pot Synthesized Aptamer-Functionalized CdTe:Zn²⁺ Quantum Dots for Tumor-Targeted Fluorescence Imaging in Vitro and in Vivo. Analytical Chemistry, 2013, 85, 5843-5849.	6.5	118
31	High-Resolution Colocalization of Single Dye Molecules by Fluorescence Lifetime Imaging Microscopy. Analytical Chemistry, 2002, 74, 3511-3517.	6.5	107
32	Singleâ€Molecule STED Microscopy with Photostable Organic Fluorophores. Small, 2010, 6, 1379-1384.	10.0	105
33	A DNA Walker as a Fluorescence Signal Amplifier. Nano Letters, 2017, 17, 5368-5374.	9.1	104
34	Programming Light-Harvesting Efficiency Using DNA Origami. Nano Letters, 2016, 16, 2369-2374.	9.1	100
35	Guide-independent DNA cleavage by archaeal Argonaute from Methanocaldococcus jannaschii. Nature Microbiology, 2017, 2, 17034.	13.3	95
36	Dissecting and Reducing the Heterogeneity of Excited-State Energy Transport in DNA-Based Photonic Wires. Journal of the American Chemical Society, 2006, 128, 16864-16875.	13.7	91

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37	Fluorescence of Single Molecules in Polymer Films:Â Sensitivity of Blinking to Local Environment. Journal of Physical Chemistry B, 2007, 111, 6987-6991.	2.6	91
38	Optical Nanoantenna for Single Molecule-Based Detection of Zika Virus Nucleic Acids without Molecular Multiplication. Analytical Chemistry, 2017, 89, 13000-13007.	6.5	85
39	Single-molecule FRET supports the two-state model of Argonaute action. RNA Biology, 2014, 11, 45-56.	3.1	80
40	Mechanisms and advancement of antifading agents for fluorescence microscopy and single-molecule spectroscopy. Physical Chemistry Chemical Physics, 2011, 13, 6699.	2.8	78
41	Multichromophoric Dendrimers as Single-Photon Sources:Â A Single-Molecule Study. Journal of Physical Chemistry B, 2004, 108, 16686-16696.	2.6	76
42	DNA Origami Nanopillars as Standards for Three-Dimensional Superresolution Microscopy. Nano Letters, 2013, 13, 781-785.	9.1	76
43	Design of Molecular Photonic Wires Based on Multistep Electronic Excitation Transfer. ChemPhysChem, 2005, 6, 217-222.	2.1	75
44	Resolving Single-Molecule Assembled Patterns with Superresolution Blink-Microscopy. Nano Letters, 2010, 10, 645-651.	9.1	74
45	Quantum yield and excitation rate of single molecules close to metallic nanostructures. Nature Communications, 2014, 5, 5356.	12.8	74
46	Multifunctional Dumbbell-Shaped DNA-Templated Selective Formation of Fluorescent Silver Nanoclusters or Copper Nanoparticles for Sensitive Detection of Biomolecules. ACS Applied Materials & Interfaces, 2016, 8, 1786-1794.	8.0	74
47	Higher-Excited-State Photophysical Pathways in Multichromophoric Systems Revealed by Single-Molecule Fluorescence Spectroscopy. ChemPhysChem, 2004, 5, 1786-1790.	2.1	72
48	'Self-healing' dyes: intramolecular stabilization of organic fluorophores. Nature Methods, 2012, 9, 426-427.	19.0	72
49	A Starting Point for Fluorescence-Based Single-Molecule Measurements in Biomolecular Research. Molecules, 2014, 19, 15824-15865.	3.8	70
50	Fluorescent Nanodiamondâ€"Gold Hybrid Particles for Multimodal Optical and Electron Microscopy Cellular Imaging. Nano Letters, 2016, 16, 6236-6244.	9.1	68
51	Broadband Fluorescence Enhancement with Self-Assembled Silver Nanoparticle Optical Antennas. ACS Nano, 2017, 11, 4969-4975.	14.6	67
52	Confocal Fluorescence Lifetime Imaging Microscopy (FLIM) at the Single Molecule Level. Single Molecules, 2000, 1, 215-223.	0.9	66
53	Controlled Reduction of Photobleaching in DNA Origamiâ€"Gold Nanoparticle Hybrids. Nano Letters, 2014, 14, 2831-2836.	9.1	65
54	Mapping molecules in scanning far-field fluorescence nanoscopy. Nature Communications, 2015, 6, 7977.	12.8	64

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55	Direct Observation of Collective Blinking and Energy Transfer in a Bichromophoric System. Journal of Physical Chemistry A, 2003, 107, 323-327.	2.5	63
56	Application of multiline two-photon microscopy to functional in vivo imaging. Journal of Neuroscience Methods, 2006, 151, 276-286.	2.5	63
57	Visual detection of melamine in milk samples based on label-free and labeled gold nanoparticles. Talanta, 2011, 85, 1013-1019.	5.5	63
58	Pulsed Interleaved MINFLUX. Nano Letters, 2021, 21, 840-846.	9.1	63
59	Addressable nanoantennas with cleared hotspots for single-molecule detection on a portable smartphone microscope. Nature Communications, 2021, 12, 950.	12.8	63
60	TFE and Spt4/5 open and close the RNA polymerase clamp during the transcription cycle. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E1816-25.	7.1	62
61	Shifting molecular localization by plasmonic coupling in a single-molecule mirage. Nature Communications, 2017, 8, 13966.	12.8	62
62	Impact of Cyanine Conformational Restraint in the Near-Infrared Range. Journal of Organic Chemistry, 2020, 85, 5907-5915.	3.2	60
63	Single-molecule photophysics of oxazines on DNA and its application in a FRET switch. Photochemical and Photobiological Sciences, 2009, 8, 486-496.	2.9	59
64	Controlled three-dimensional immobilization of biomolecules on chemically patterned surfaces. Journal of Biotechnology, 2004, 112, 97-107.	3.8	58
65	Fluorescent proteins for singleâ€molecule fluorescence applications. Journal of Biophotonics, 2008, 1, 74-82.	2.3	58
66	Plasmon-assisted FÃ¶rster resonance energy transfer at the single-molecule level in the moderate quenching regime. Nanoscale, 2019, 11, 7674-7681.	5.6	56
67	Time-varying photon probability distribution of individual molecules at room temperature. Chemical Physics Letters, 2001, 345, 252-258.	2.6	53
68	Plasmonics Enhanced Smartphone Fluorescence Microscopy. Scientific Reports, 2017, 7, 2124.	3.3	53
69	Distance control in-between plasmonic nanoparticles via biological and polymeric spacers. Nano Today, 2013, 8, 480-493.	11.9	50
70	Single-Molecule Redox Blinking of Perylene Diimide Derivatives in Water. Journal of the American Chemical Society, 2010, 132, 2404-2409.	13.7	49
71	DNA origami as biocompatible surface to match single-molecule and ensemble experiments. Nucleic Acids Research, 2012, 40, e110-e110.	14.5	49
72	Benchmarking Smartphone Fluorescence-Based Microscopy with DNA Origami Nanobeads: Reducing the Gap toward Single-Molecule Sensitivity. ACS Omega, 2019, 4, 637-642.	3.5	49

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73	DNA-Based Molecular Wires:Â Multiple Emission Pathways of Individual Constructs. Journal of Physical Chemistry B, 2006, 110, 26349-26353.	2.6	48
74	Radiative and Nonradiative Rate Fluctuations of Single Colloidal Semiconductor Nanocrystals. Journal of Physical Chemistry B, 2006, 110, 5174-5178.	2.6	47
75	Multicolor Single-Molecule Spectroscopy with Alternating Laser Excitation for the Investigation of Interactions and Dynamics. Journal of Physical Chemistry B, 2007, 111, 321-326.	2.6	46
76	Optical Voltage Sensing Using DNA Origami. Nano Letters, 2018, 18, 1962-1971.	9.1	43
77	Axial Colocalization of Single Molecules with Nanometer Accuracy Using Metal-Induced Energy Transfer. Nano Letters, 2018, 18, 2616-2622.	9.1	43
78	Linking Singleâ€Molecule Blinking to Chromophore Structure and Redox Potentials. ChemPhysChem, 2012, 13, 931-937.	2.1	42
79	Single-Molecule Positioning in Zeromode Waveguides by DNA Origami Nanoadapters. Nano Letters, 2014, 14, 3499-3503.	9.1	42
80	Super-Resolution Imaging of C-Type Lectin and Influenza Hemagglutinin Nanodomains on Plasma Membranes Using Blink Microscopy. Biophysical Journal, 2012, 102, 1534-1542.	0.5	41
81	Interchromophoric Interactions Determine the Maximum Brightness Density in DNA Origami Structures. Nano Letters, 2019, 19, 1275-1281.	9.1	40
82	Distance Dependence of Single-Molecule Energy Transfer to Graphene Measured with DNA Origami Nanopositioners. Nano Letters, 2019, 19, 4257-4262.	9.1	40
83	High force catch bond mechanism of bacterial adhesion in the human gut. Nature Communications, 2020, 11, 4321.	12.8	40
84	Eukaryotic and archaeal TBP and TFB/TF(II)B follow different promoter DNA bending pathways. Nucleic Acids Research, 2014, 42, 6219-6231.	14.5	39
85	Strong Plasmonic Enhancement of a Single Peridininâ€“Chlorophyll <i>a</i>â€“Protein Complex on DNA Origami-Based Optical Antennas. ACS Nano, 2018, 12, 1650-1655.	14.6	38
86	Graphene Energy Transfer for Singleâ€Molecule Biophysics, Biosensing, and Superâ€Resolution Microscopy. Advanced Materials, 2021, 33, e2101099.	21.0	38
87	Using DNA origami nanorulers as traceable distance measurement standards and nanoscopic benchmark structures. Scientific Reports, 2018, 8, 1780.	3.3	37
88	Directing Single-Molecule Emission with DNA Origami-Assembled Optical Antennas. Nano Letters, 2019, 19, 6629-6634.	9.1	37
89	DNA origami-based single-molecule force spectroscopy elucidates RNA Polymerase III pre-initiation complex stability. Nature Communications, 2020, 11, 2828.	12.8	36
90	Fluorescence Microscopy with 6 nm Resolution on DNA Origami. ChemPhysChem, 2014, 15, 2431-2435.	2.1	35

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91	Self-Healing Dyesâ€"Keeping the Promise?. Journal of Physical Chemistry Letters, 2020, 11, 4462-4480.	4.6	35
92	Placing Individual Molecules in the Center of Nanoapertures. Nano Letters, 2014, 14, 391-395.	9.1	33
93	DNA origami nanorulers and emerging reference structures. APL Materials, 2020, 8, .	5.1	33
94	ENGINEERED FLUORESCENT PROTEINS ILLUMINATE THE BACTERIAL PERIPLASM. Computational and Structural Biotechnology Journal, 2012, 3, e201210013.	4.1	32
95	Geminate Recombination as a Photoprotection Mechanism for Fluorescent Dyes. Angewandte Chemie - International Edition, 2014, 53, 5685-5688.	13.8	32
96	Sculpting light by arranging optical components with DNA nanostructures. MRS Bulletin, 2017, 42, 936-942.	3.5	32
97	Single-Molecule Fluorescence Resonance Energy Transfer in Nanopipets:â€‰ Improving Distance Resolution and Concentration Range. Analytical Chemistry, 2007, 79, 7367-7375.	6.5	31
98	Identification of single fluorescently labelled mononucleotide molecules in solution by spectrally resolved time-correlated single-photon counting. Applied Physics B: Lasers and Optics, 2000, 71, 765-771.	2.2	30
99	Choosing dyes for cw-STED nanoscopy using self-assembled nanorulers. Physical Chemistry Chemical Physics, 2014, 16, 6990-6996.	2.8	30
100	Counting Fluorescent Dye Molecules on DNA Origami by Means of Photon Statistics. Small, 2013, 9, 4061-4068.	10.0	29
101	Super-resolution Imaging of Energy Transfer by Intensity-Based STED-FRET. Nano Letters, 2021, 21, 2296-2303.	9.1	29
102	Absolute Arrangement of Subunits in Cytoskeletal Septin Filaments in Cells Measured by Fluorescence Microscopy. Nano Letters, 2015, 15, 3859-3864.	9.1	28
103	Simple and aberration-free 4color-STED - multiplexing by transient binding. Optics Express, 2015, 23, 8630.	3.4	28
104	Super-Resolution Imaging Conditions for enhanced Yellow Fluorescent Protein (eYFP) Demonstrated on DNA Origami Nanorulers. Scientific Reports, 2015, 5, 14075.	3.3	27
105	Single antibody detection in a DNA origami nanoantenna. IScience, 2021, 24, 103072.	4.1	27
106	Intrinsically Resolution Enhancing Probes for Confocal Microscopy. Nano Letters, 2010, 10, 672-679.	9.1	26
107	A Structurally Variable Hinged Tetrahedron Framework from DNA Origami. Journal of Nucleic Acids, 2011, 2011, 1-9.	1.2	26
108	Synergistic Combination of Unquenching and Plasmonic Fluorescence Enhancement in Fluorogenic Nucleic Acid Hybridization Probes. Nano Letters, 2017, 17, 6496-6500.	9.1	26

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109	High-Resolution Colocalization of Single Molecules within the Resolution Gap of Far-Field Microscopy. ChemPhysChem, 2005, 6, 949-955.	2.1	25
110	Functionalizing large nanoparticles for small gaps in dimer nanoantennas. New Journal of Physics, 2016, 18, 045012.	2.9	25
111	DNA Origami Nanoantennas for Fluorescence Enhancement. Accounts of Chemical Research, 2021, 54, 3338-3348.	15.6	24
112	Breaking the concentration barrier. Nature Nanotechnology, 2013, 8, 480-482.	31.5	23
113	Strong plasmonic enhancement of single molecule photostability in silver dimer optical antennas. Nanophotonics, 2018, 7, 643-649.	6.0	22
114	DNA Origami Voltage Sensors for Transmembrane Potentials with Single-Molecule Sensitivity. Nano Letters, 2021, 21, 8634-8641.	9.1	22
115	Correlated Movement and Bending of Nucleic Acid Structures Visualized by Multicolor Singleâ€Molecule Spectroscopy. ChemPhysChem, 2009, 10, 1455-1460.	2.1	21
116	Fluorophore photostability and saturation in the hotspot of DNA origami nanoantennas. Methods and Applications in Fluorescence, 2020, 8, 024003.	2.3	21
117	Targetable Conformationally Restricted Cyanines Enable Photonâ€Countâ€Limited Applications**. Angewandte Chemie - International Edition, 2021, 60, 26685-26693.	13.8	21
118	Superresolution microscopy with transient binding. Current Opinion in Biotechnology, 2016, 39, 8-16.	6.6	20
119	Graphene-on-Glass Preparation and Cleaning Methods Characterized by Single-Molecule DNA Origami Fluorescent Probes and Raman Spectroscopy. ACS Nano, 2021, 15, 6430-6438.	14.6	20
120	Enhancing singleâ€molecule fluorescence with nanophotonics. FEBS Letters, 2014, 588, 3547-3552.	2.8	19
121	Ultrafast Single-Molecule Fluorescence Measured by Femtosecond Double-Pulse Excitation Photon Antibunching. Nano Letters, 2020, 20, 1074-1079.	9.1	19
122	Selfâ€Regeneration and Selfâ€Healing in DNA Origami Nanostructures. Angewandte Chemie - International Edition, 2021, 60, 4931-4938.	13.8	19
123	Picosecond time-resolved photon antibunching measures nanoscale exciton motion and the true number of chromophores. Nature Communications, 2021, 12, 1327.	12.8	18
124	Determining the In-Plane Orientation and Binding Mode of Single Fluorescent Dyes in DNA Origami Structures. ACS Nano, 2021, 15, 5109-5117.	14.6	18
125	Making connectionsâ€"strategies for single molecule fluorescence biophysics. Current Opinion in Chemical Biology, 2013, 17, 691-698.	6.1	16
126	DNA Origami Seesaws as Comparative Binding Assay. ChemBioChem, 2016, 17, 1093-1096.	2.6	14

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127	Toward quantitative fluorescence microscopy with DNA origami nanorulers. Methods in Cell Biology, 2014, 123, 449-466.	1.1	13
128	A new reporter design based on DNA origami nanostructures for quantification of short oligonucleotides using microbeads. Scientific Reports, 2019, 9, 4769.	3.3	13
129	Pull-down for single molecules. Nature, 2011, 473, 461-462.	27.8	12
130	Angular modulation of single-molecule fluorescence by gold nanoparticles on DNA origami templates. Nanophotonics, 2013, 2, 167-172.	6.0	12
131	Single-molecule photophysics of dark quenchers as non-fluorescent FRET acceptors. Photochemical and Photobiological Sciences, 2014, 13, 853-858.	2.9	12
132	Nanoapertures for AFM-based single-molecule force spectroscopy. International Journal of Nanotechnology, 2013, 10, 607.	0.2	10
133	Siteâ€Specific Labelling of Native Mammalian Proteins for Singleâ€Molecule FRET Measurements. ChemBioChem, 2018, 19, 780-783.	2.6	10
134	Cohesin-dockerin code in cellulosomal dual binding modes and its allosteric regulation by proline isomerization. Structure, 2021, 29, 587-597.e8.	3.3	10
135	DNA-templated nanoantennas for single-molecule detection at elevated concentrations. Journal of Biomedical Optics, 2013, 18, 065001.	2.6	9
136	Towards structural biology with super-resolution microscopy. Nanoscale, 2018, 10, 16416-16424.	5.6	8
137	DNA origami based superconducting nanowires. AIP Advances, 2021, 11, .	1.3	7
138	Maximizing the Accessibility in DNA Origami Nanoantenna Plasmonic Hotspots. Advanced Materials Interfaces, 2022, 9, .	3.7	7
139	Quantitative Single-Molecule Measurements of Membrane Charges with DNA Origami Sensors. Analytical Chemistry, 2022, 94, 2633-2640.	6.5	6
140	Zwillingsrekombination als Photostabilisierungsmechanismus fÃ¼r Fluoreszenzfarbstoffe. Angewandte Chemie, 2014, 126, 5792-5796.	2.0	5
141	Enzymatic characterization of recombinant nitrate reductase expressed and purified from Neurospora crassa. Fungal Genetics and Biology, 2015, 80, 10-18.	2.1	5
142	Generation of Recombinant Antibodies against the beta-(1,6)-Branched beta-(1,3)-D-Glucan Schizophyllan from Immunized Mice via Phage Display. Biotechnology Research International, 2017, 2017, 1-8.	1.4	5
143	Targetable conformationally restricted cyanines enable photonâ€count limited applications. Angewandte Chemie, 0, , .	2.0	5
144	DNAâ€"Liposome Hybrid Carriers for Triggered Cargo Release. ACS Applied Bio Materials, 2022, 5, 3713-3721.	4.6	5

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145	Making Ultrasensitive Weighing Biocompatible by Placing the Sample within a Resonant Cantilever. Angewandte Chemie - International Edition, 2007, 46, 7926-7929.	13.8	4
146	A simple and general approach to generate photoactivatable DNA processing enzymes. Nucleic Acids Research, 2022, 50, e31-e31.	14.5	4
147	Salt-induced conformational switching of a flat rectangular DNA origami structure. Nanoscale, 2022, 14, 7898-7905.	5.6	4
148	Cover Picture: Branching Out of Single-Molecule Fluorescence Spectroscopy: Challenges for Chemistry and Influence on Biology (Angew. Chem. Int. Ed. 18/2005). Angewandte Chemie - International Edition, 2005, 44, 2613-2613.	13.8	2
149	Molecular Optical Switches and Waveguides. Optik & Photonik, 2007, 2, 45-48.	0.2	2
150	Advanced markers and labels for life science and biomedical applications. Journal of Biophotonics, 2011, 4, 375-376.	2.3	2
151	Far-Field Nanoscopy with Conventional Fluorophores: Photostability, Photophysics, and Transient Binding. Springer Series on Fluorescence, 2012, , 215-242.	0.8	2
152	Super-Resolution Fluorescence Imaging with Blink Microscopy. , 2013, 950, 111-129.		2
153	DNA origami nanotools for single-molecule biosensing and superresolution microscopy. , 2019, , .		2
154	Detection of Single Oxygen Molecules Opens Up New Vistas for the Investigation of Molecular Cooperativity in Hemocyanins. ChemPhysChem, 2006, 7, 1189-1191.	2.1	1
155	Cover Picture: A Reducing and Oxidizing System Minimizes Photobleaching and Blinking of Fluorescent Dyes (Angew. Chem. Int. Ed. 29/2008). Angewandte Chemie - International Edition, 2008, 47, 5261-5261.	13.8	1
156	Fluorophores: Single-Molecule STED Microscopy with Photostable Organic Fluorophores (Small) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3(	10.0	1
157	Molecule detection with sunlight. Nature Photonics, 2017, 11, 616-618.	31.4	1
158	Selbstregeneration und Selbstheilung in DNAâ€Origamiâ€Nanostrukturen. Angewandte Chemie, 2021, 133, 4982-4990.	2.0	1
159	Titelbild: Ein System aus Reduktionsâ€•und Oxidationsmittel verringert Photobleichen und Blinken von Fluoreszenzfarbstoffen (Angew. Chem. 29/2008). Angewandte Chemie, 2008, 120, 5341-5341.	2.0	0
160	Single-Molecule Fluorescence Meets DNA Origami. Biophysical Journal, 2012, 102, 388a.	0.5	0
161	Single-Molecule Approved Surface Passivation. Structure, 2020, 28, 1269-1270.	3.3	0
162	Titelbild: Selbstregeneration und Selbstheilung in DNAâ€Origamiâ€Nanostrukturen (Angew. Chem. 9/2021). Angewandte Chemie, 2021, 133, 4429-4429.	2.0	0

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163	Nanoscopy Using Localization and Temporal Separation of Fluorescence From Single Molecules. NATO Science for Peace and Security Series B: Physics and Biophysics, 2011, , 87-106.	0.3	0
164	Fluoreszenzmikroskopie â€žbottom-upâ€œ: Von EinzelmolekÃ¼len zur SuperauflÃ¶sung. Akademie Der Wissenschaften Zu Goettingen Jahrbuch, 2011, 2010, 177-183.	0.0	0
165	How Blinking Affects Photon Correlations in Multichromophoric Nanoparticles. ACS Nano, 2021, , .	14.6	0