

# Philip Tinnefeld

## List of Publications by Year in descending order

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165  
papers

14,240  
citations

23567

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22166

113  
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181  
docs citations

181  
times ranked

12122  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative Single-Molecule Measurements of Membrane Charges with DNA Origami Sensors. <i>Analytical Chemistry</i> , 2022, 94, 2633-2640.	6.5	6
2	A simple and general approach to generate photoactivatable DNA processing enzymes. <i>Nucleic Acids Research</i> , 2022, 50, e31-e31.	14.5	4
3	Salt-induced conformational switching of a flat rectangular DNA origami structure. <i>Nanoscale</i> , 2022, 14, 7898-7905.	5.6	4
4	Maximizing the Accessibility in DNA Origami Nanoantenna Plasmonic Hotspots. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	7
5	DNA-encapsulated Liposome Hybrid Carriers for Triggered Cargo Release. <i>ACS Applied Bio Materials</i> , 2022, 5, 3713-3721.	4.6	5
6	Selbstregeneration und Selbstheilung in DNA-Origami-Nanostrukturen. <i>Angewandte Chemie</i> , 2021, 133, 4982-4990.	2.0	1
7	Self-Regeneration and Self-Healing in DNA Origami Nanostructures. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4931-4938.	13.8	19
8	Pulsed Interleaved MINIFLUX. <i>Nano Letters</i> , 2021, 21, 840-846.	9.1	63
9	DNA origami based superconducting nanowires. <i>AIP Advances</i> , 2021, 11, .	1.3	7
10	Titelbild: Selbstregeneration und Selbstheilung in DNA-Origami-Nanostrukturen ( <i>Angew. Chem.</i> 9/2021). <i>Angewandte Chemie</i> , 2021, 133, 4429-4429.	2.0	0
11	Super-resolution Imaging of Energy Transfer by Intensity-Based STED-FRET. <i>Nano Letters</i> , 2021, 21, 2296-2303.	9.1	29
12	Picosecond time-resolved photon antibunching measures nanoscale exciton motion and the true number of chromophores. <i>Nature Communications</i> , 2021, 12, 1327.	12.8	18
13	Addressable nanoantennas with cleared hotspots for single-molecule detection on a portable smartphone microscope. <i>Nature Communications</i> , 2021, 12, 950.	12.8	63
14	Determining the In-Plane Orientation and Binding Mode of Single Fluorescent Dyes in DNA Origami Structures. <i>ACS Nano</i> , 2021, 15, 5109-5117.	14.6	18
15	Graphene-on-Glass Preparation and Cleaning Methods Characterized by Single-Molecule DNA Origami Fluorescent Probes and Raman Spectroscopy. <i>ACS Nano</i> , 2021, 15, 6430-6438.	14.6	20
16	Graphene Energy Transfer for Single-Molecule Biophysics, Biosensing, and Super-Resolution Microscopy. <i>Advanced Materials</i> , 2021, 33, e2101099.	21.0	38
17	Cohesin-dockerin code in cellulosomal dual binding modes and its allosteric regulation by proline isomerization. <i>Structure</i> , 2021, 29, 587-597.e8.	3.3	10
18	DNA Origami Nanoantennas for Fluorescence Enhancement. <i>Accounts of Chemical Research</i> , 2021, 54, 3338-3348.	15.6	24

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19	Single antibody detection in a DNA origami nanoantenna. <i>IScience</i> , 2021, 24, 103072.	4.1	27
20	Targetable Conformationally Restricted Cyanines Enable Photon Count Limited Applications**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26685-26693.	13.8	21
21	DNA Origami Voltage Sensors for Transmembrane Potentials with Single-Molecule Sensitivity. <i>Nano Letters</i> , 2021, 21, 8634-8641.	9.1	22
22	How Blinking Affects Photon Correlations in Multichromophoric Nanoparticles. <i>ACS Nano</i> , 2021, , .	14.6	0
23	Ultrafast Single-Molecule Fluorescence Measured by Femtosecond Double-Pulse Excitation Photon Antibunching. <i>Nano Letters</i> , 2020, 20, 1074-1079.	9.1	19
24	Single-Molecule Approved Surface Passivation. <i>Structure</i> , 2020, 28, 1269-1270.	3.3	0
25	DNA origami nanorulers and emerging reference structures. <i>APL Materials</i> , 2020, 8, .	5.1	33
26	High force catch bond mechanism of bacterial adhesion in the human gut. <i>Nature Communications</i> , 2020, 11, 4321.	12.8	40
27	Self-Healing Dyes – Keeping the Promise?. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4462-4480.	4.6	35
28	DNA origami-based single-molecule force spectroscopy elucidates RNA Polymerase III pre-initiation complex stability. <i>Nature Communications</i> , 2020, 11, 2828.	12.8	36
29	Fluorophore photostability and saturation in the hotspot of DNA origami nanoantennas. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 024003.	2.3	21
30	Impact of Cyanine Conformational Restraint in the Near-Infrared Range. <i>Journal of Organic Chemistry</i> , 2020, 85, 5907-5915.	3.2	60
31	Directing Single-Molecule Emission with DNA Origami-Assembled Optical Antennas. <i>Nano Letters</i> , 2019, 19, 6629-6634.	9.1	37
32	Interchromophoric Interactions Determine the Maximum Brightness Density in DNA Origami Structures. <i>Nano Letters</i> , 2019, 19, 1275-1281.	9.1	40
33	Distance Dependence of Single-Molecule Energy Transfer to Graphene Measured with DNA Origami Nanopositioners. <i>Nano Letters</i> , 2019, 19, 4257-4262.	9.1	40
34	A new reporter design based on DNA origami nanostructures for quantification of short oligonucleotides using microbeads. <i>Scientific Reports</i> , 2019, 9, 4769.	3.3	13
35	Plasmon-assisted Förster resonance energy transfer at the single-molecule level in the moderate quenching regime. <i>Nanoscale</i> , 2019, 11, 7674-7681.	5.6	56
36	Benchmarking Smartphone Fluorescence-Based Microscopy with DNA Origami Nanobeads: Reducing the Gap toward Single-Molecule Sensitivity. <i>ACS Omega</i> , 2019, 4, 637-642.	3.5	49

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37	DNA origami nanotools for single-molecule biosensing and superresolution microscopy. , 2019, , .		2
38	Strong plasmonic enhancement of single molecule photostability in silver dimer optical antennas. Nanophotonics, 2018, 7, 643-649.	6.0	22
39	Using DNA origami nanorulers as traceable distance measurement standards and nanoscopic benchmark structures. Scientific Reports, 2018, 8, 1780.	3.3	37
40	Optical Voltage Sensing Using DNA Origami. Nano Letters, 2018, 18, 1962-1971.	9.1	43
41	Site-specific Labelling of Native Mammalian Proteins for Single-molecule FRET Measurements. ChemBioChem, 2018, 19, 780-783.	2.6	10
42	Strong Plasmonic Enhancement of a Single Peridinin-Chlorophyll <i>a</i> Protein Complex on DNA Origami-Based Optical Antennas. ACS Nano, 2018, 12, 1650-1655.	14.6	38
43	Axial Colocalization of Single Molecules with Nanometer Accuracy Using Metal-Induced Energy Transfer. Nano Letters, 2018, 18, 2616-2622.	9.1	43
44	Precision and accuracy of single-molecule FRET measurements—a multi-laboratory benchmark study. Nature Methods, 2018, 15, 669-676.	19.0	350
45	Towards structural biology with super-resolution microscopy. Nanoscale, 2018, 10, 16416-16424.	5.6	8
46	Shifting molecular localization by plasmonic coupling in a single-molecule mirage. Nature Communications, 2017, 8, 13966.	12.8	62
47	Broadband Fluorescence Enhancement with Self-Assembled Silver Nanoparticle Optical Antennas. ACS Nano, 2017, 11, 4969-4975.	14.6	67
48	Plasmonics Enhanced Smartphone Fluorescence Microscopy. Scientific Reports, 2017, 7, 2124.	3.3	53
49	Guide-independent DNA cleavage by archaeal Argonaute from Methanocaldococcus jannaschii. Nature Microbiology, 2017, 2, 17034.	13.3	95
50	Synergistic Combination of Unquenching and Plasmonic Fluorescence Enhancement in Fluorogenic Nucleic Acid Hybridization Probes. Nano Letters, 2017, 17, 6496-6500.	9.1	26
51	Molecule detection with sunlight. Nature Photonics, 2017, 11, 616-618.	31.4	1
52	A DNA Walker as a Fluorescence Signal Amplifier. Nano Letters, 2017, 17, 5368-5374.	9.1	104
53	Sculpting light by arranging optical components with DNA nanostructures. MRS Bulletin, 2017, 42, 936-942.	3.5	32
54	Optical Nanoantenna for Single Molecule-Based Detection of Zika Virus Nucleic Acids without Molecular Multiplication. Analytical Chemistry, 2017, 89, 13000-13007.	6.5	85

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55	Generation of Recombinant Antibodies against the beta-(1,6)-Branched beta-(1,3)-D-Glucan Schizophyllan from Immunized Mice via Phage Display. <i>Biotechnology Research International</i> , 2017, 2017, 1-8.	1.4	5
56	TFE and Spt4/5 open and close the RNA polymerase clamp during the transcription cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E1816-25.	7.1	62
57	DNA Origami Seesaws as Comparative Binding Assay. <i>ChemBioChem</i> , 2016, 17, 1093-1096.	2.6	14
58	Fluorescent Nanodiamond-Gold Hybrid Particles for Multimodal Optical and Electron Microscopy Cellular Imaging. <i>Nano Letters</i> , 2016, 16, 6236-6244.	9.1	68
59	Molecular force spectroscopy with a DNA origami-based nanoscopic force clamp. <i>Science</i> , 2016, 354, 305-307.	12.6	234
60	Functionalizing large nanoparticles for small gaps in dimer nanoantennas. <i>New Journal of Physics</i> , 2016, 18, 045012.	2.9	25
61	Superresolution microscopy with transient binding. <i>Current Opinion in Biotechnology</i> , 2016, 39, 8-16.	6.6	20
62	Programming Light-Harvesting Efficiency Using DNA Origami. <i>Nano Letters</i> , 2016, 16, 2369-2374.	9.1	100
63	Multifunctional Dumbbell-Shaped DNA-Templated Selective Formation of Fluorescent Silver Nanoclusters or Copper Nanoparticles for Sensitive Detection of Biomolecules. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 1786-1794.	8.0	74
64	Super-Resolution Imaging Conditions for enhanced Yellow Fluorescent Protein (eYFP) Demonstrated on DNA Origami Nanorulers. <i>Scientific Reports</i> , 2015, 5, 14075.	3.3	27
65	Enzymatic characterization of recombinant nitrate reductase expressed and purified from <i>Neurospora crassa</i> . <i>Fungal Genetics and Biology</i> , 2015, 80, 10-18.	2.1	5
66	DNA Origami Nanoantennas with over 5000-fold Fluorescence Enhancement and Single-Molecule Detection at 25 $\mu$ M. <i>Nano Letters</i> , 2015, 15, 8354-8359.	9.1	198
67	The 2015 super-resolution microscopy roadmap. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 443001.	2.8	291
68	Absolute Arrangement of Subunits in Cytoskeletal Septin Filaments in Cells Measured by Fluorescence Microscopy. <i>Nano Letters</i> , 2015, 15, 3859-3864.	9.1	28
69	Simple and aberration-free 4color-STED - multiplexing by transient binding. <i>Optics Express</i> , 2015, 23, 8630.	3.4	28
70	Mapping molecules in scanning far-field fluorescence nanoscopy. <i>Nature Communications</i> , 2015, 6, 7977.	12.8	64
71	Single-molecule FRET supports the two-state model of Argonaute action. <i>RNA Biology</i> , 2014, 11, 45-56.	3.1	80
72	Eukaryotic and archaeal TBP and TFB/TF(II)B follow different promoter DNA bending pathways. <i>Nucleic Acids Research</i> , 2014, 42, 6219-6231.	14.5	39

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73	Single-molecule photophysics of dark quenchers as non-fluorescent FRET acceptors. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 853-858.	2.9	12
74	DNA origami-based standards for quantitative fluorescence microscopy. <i>Nature Protocols</i> , 2014, 9, 1367-1391.	12.0	147
75	Geminate Recombination as a Photoprotection Mechanism for Fluorescent Dyes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5685-5688.	13.8	32
76	Breaking the concentration limit of optical single-molecule detection. <i>Chemical Society Reviews</i> , 2014, 43, 1014-1028.	38.1	179
77	Quantum yield and excitation rate of single molecules close to metallic nanostructures. <i>Nature Communications</i> , 2014, 5, 5356.	12.8	74
78	Choosing dyes for cw-STED nanoscopy using self-assembled nanorulers. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 6990-6996.	2.8	30
79	Single-Molecule Positioning in Zeromode Waveguides by DNA Origami Nanoadapters. <i>Nano Letters</i> , 2014, 14, 3499-3503.	9.1	42
80	Controlled Reduction of Photobleaching in DNA Origami-Gold Nanoparticle Hybrids. <i>Nano Letters</i> , 2014, 14, 2831-2836.	9.1	65
81	Toward quantitative fluorescence microscopy with DNA origami nanorulers. <i>Methods in Cell Biology</i> , 2014, 123, 449-466.	1.1	13
82	Fluorescence Microscopy with 6 nm Resolution on DNA Origami. <i>ChemPhysChem</i> , 2014, 15, 2431-2435.	2.1	35
83	Enhancing single-molecule fluorescence with nanophotonics. <i>FEBS Letters</i> , 2014, 588, 3547-3552.	2.8	19
84	Placing Individual Molecules in the Center of Nanoapertures. <i>Nano Letters</i> , 2014, 14, 391-395.	9.1	33
85	A Starting Point for Fluorescence-Based Single-Molecule Measurements in Biomolecular Research. <i>Molecules</i> , 2014, 19, 15824-15865.	3.8	70
86	Zwillingsrekombination als Photostabilisierungsmechanismus für Fluoreszenzfarbstoffe. <i>Angewandte Chemie</i> , 2014, 126, 5792-5796.	2.0	5
87	Distance control in-between plasmonic nanoparticles via biological and polymeric spacers. <i>Nano Today</i> , 2013, 8, 480-493.	11.9	50
88	DNA Origami Nanopillars as Standards for Three-Dimensional Superresolution Microscopy. <i>Nano Letters</i> , 2013, 13, 781-785.	9.1	76
89	Super-Resolution Fluorescence Imaging with Blink Microscopy. , 2013, 950, 111-129.		2
90	Making connections strategies for single molecule fluorescence biophysics. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 691-698.	6.1	16

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91	Breaking the concentration barrier. <i>Nature Nanotechnology</i> , 2013, 8, 480-482.	31.5	23
92	One-Pot Synthesized Aptamer-Functionalized CdTe:Zn <sup>2+</sup> Quantum Dots for Tumor-Targeted Fluorescence Imaging in Vitro and in Vivo. <i>Analytical Chemistry</i> , 2013, 85, 5843-5849.	6.5	118
93	Counting Fluorescent Dye Molecules on DNA Origami by Means of Photon Statistics. <i>Small</i> , 2013, 9, 4061-4068.	10.0	29
94	Angular modulation of single-molecule fluorescence by gold nanoparticles on DNA origami templates. <i>Nanophotonics</i> , 2013, 2, 167-172.	6.0	12
95	DNA-templated nanoantennas for single-molecule detection at elevated concentrations. <i>Journal of Biomedical Optics</i> , 2013, 18, 065001.	2.6	9
96	Nanoapertures for AFM-based single-molecule force spectroscopy. <i>International Journal of Nanotechnology</i> , 2013, 10, 607.	0.2	10
97	DNA origami as biocompatible surface to match single-molecule and ensemble experiments. <i>Nucleic Acids Research</i> , 2012, 40, e110-e110.	14.5	49
98	Far-Field Nanoscopy with Conventional Fluorophores: Photostability, Photophysics, and Transient Binding. <i>Springer Series on Fluorescence</i> , 2012, , 215-242.	0.8	2
99	Fluorescence and super-resolution standards based on DNA origami. <i>Nature Methods</i> , 2012, 9, 1133-1134.	19.0	129
100	ENGINEERED FLUORESCENT PROTEINS ILLUMINATE THE BACTERIAL PERIPLASM. <i>Computational and Structural Biotechnology Journal</i> , 2012, 3, e201210013.	4.1	32
101	Photophysics of Fluorescent Probes for Single-Molecule Biophysics and Super-Resolution Imaging. <i>Annual Review of Physical Chemistry</i> , 2012, 63, 595-617.	10.8	594
102	Distance Dependence of Single-Fluorophore Quenching by Gold Nanoparticles Studied on DNA Origami. <i>ACS Nano</i> , 2012, 6, 3189-3195.	14.6	274
103	Fluorescence Enhancement at Docking Sites of DNA-Directed Self-Assembled Nanoantennas. <i>Science</i> , 2012, 338, 506-510.	12.6	603
104	Super-Resolution Imaging of C-Type Lectin and Influenza Hemagglutinin Nanodomains on Plasma Membranes Using Blink Microscopy. <i>Biophysical Journal</i> , 2012, 102, 1534-1542.	0.5	41
105	Single-Molecule Fluorescence Meets DNA Origami. <i>Biophysical Journal</i> , 2012, 102, 388a.	0.5	0
106	'Self-healing' dyes: intramolecular stabilization of organic fluorophores. <i>Nature Methods</i> , 2012, 9, 426-427.	19.0	72
107	Linking Single-Molecule Blinking to Chromophore Structure and Redox Potentials. <i>ChemPhysChem</i> , 2012, 13, 931-937.	2.1	42
108	Mechanisms and advancement of antifading agents for fluorescence microscopy and single-molecule spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6699.	2.8	78

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109	Visual detection of melamine in milk samples based on label-free and labeled gold nanoparticles. <i>Talanta</i> , 2011, 85, 1013-1019.	5.5	63
110	Single-Molecule Four-Color FRET Visualizes Energy-Transfer Paths on DNA Origami. <i>Journal of the American Chemical Society</i> , 2011, 133, 4193-4195.	13.7	252
111	A Structurally Variable Hinged Tetrahedron Framework from DNA Origami. <i>Journal of Nucleic Acids</i> , 2011, 2011, 1-9.	1.2	26
112	Pull-down for single molecules. <i>Nature</i> , 2011, 473, 461-462.	27.8	12
113	Single-Molecule FRET Ruler Based on Rigid DNA Origami Blocks. <i>ChemPhysChem</i> , 2011, 12, 689-695.	2.1	129
114	Advanced markers and labels for life science and biomedical applications. <i>Journal of Biophotonics</i> , 2011, 4, 375-376.	2.3	2
115	Nanoscopy Using Localization and Temporal Separation of Fluorescence From Single Molecules. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2011, , 87-106.	0.3	0
116	Fluoreszenzmikroskopie "bottom-up": Von Einzelmolekülen zur Superauflösung. <i>Akademie Der Wissenschaften Zu Goettingen Jahrbuch</i> , 2011, 2010, 177-183.	0.0	0
117	Make them Blink: Probes for Super-Resolution Microscopy. <i>ChemPhysChem</i> , 2010, 11, 2475-2490.	2.1	183
118	Single-Molecule STED Microscopy with Photostable Organic Fluorophores. <i>Small</i> , 2010, 6, 1379-1384.	10.0	105
119	Fluorophores: Single-Molecule STED Microscopy with Photostable Organic Fluorophores (Small) Tj ETQq1 1 0.784314 rgBT /Qverlock 10.0	10.0	105
120	Intrinsically Resolution Enhancing Probes for Confocal Microscopy. <i>Nano Letters</i> , 2010, 10, 672-679.	9.1	26
121	Resolving Single-Molecule Assembled Patterns with Superresolution Blink-Microscopy. <i>Nano Letters</i> , 2010, 10, 645-651.	9.1	74
122	Single-Molecule Kinetics and Super-Resolution Microscopy by Fluorescence Imaging of Transient Binding on DNA Origami. <i>Nano Letters</i> , 2010, 10, 4756-4761.	9.1	716
123	Single-Molecule Redox Blinking of Perylene Diimide Derivatives in Water. <i>Journal of the American Chemical Society</i> , 2010, 132, 2404-2409.	13.7	49
124	Correlated Movement and Bending of Nucleic Acid Structures Visualized by Multicolor Single-Molecule Spectroscopy. <i>ChemPhysChem</i> , 2009, 10, 1455-1460.	2.1	21
125	DNA Origami as a Nanoscopic Ruler for Super-Resolution Microscopy. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8870-8873.	13.8	260
126	On the Mechanism of Trolox as Antiblinking and Antibleaching Reagent. <i>Journal of the American Chemical Society</i> , 2009, 131, 5018-5019.	13.7	287



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127	Controlling the fluorescence of ordinary oxazine dyes for single-molecule switching and superresolution microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8107-8112.	7.1	250
128	Single-molecule photophysics of oxazines on DNA and its application in a FRET switch. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 486-496.	2.9	59
129	Fluorescent proteins for single-molecule fluorescence applications. <i>Journal of Biophotonics</i> , 2008, 1, 74-82.	2.3	58
130	A Reducing and Oxidizing System Minimizes Photobleaching and Blinking of Fluorescent Dyes. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5465-5469.	13.8	538
131	Subdiffraction-Resolution Fluorescence Imaging with Conventional Fluorescent Probes. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6172-6176.	13.8	1,659
132	Cover Picture: A Reducing and Oxidizing System Minimizes Photobleaching and Blinking of Fluorescent Dyes ( <i>Angew. Chem. Int. Ed.</i> 29/2008). <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5261-5261.	13.8	1
133	Titelbild: Ein System aus Reduktions- und Oxidationsmittel verringert Photobleichen und Blinken von Fluoreszenzfarbstoffen ( <i>Angew. Chem.</i> 29/2008). <i>Angewandte Chemie</i> , 2008, 120, 5341-5341.	2.0	0
134	Superresolution Microscopy on the Basis of Engineered Dark States. <i>Journal of the American Chemical Society</i> , 2008, 130, 16840-16841.	13.7	193
135	Multicolor Single-Molecule Spectroscopy with Alternating Laser Excitation for the Investigation of Interactions and Dynamics. <i>Journal of Physical Chemistry B</i> , 2007, 111, 321-326.	2.6	46
136	Fluorescence of Single Molecules in Polymer Films: Sensitivity of Blinking to Local Environment. <i>Journal of Physical Chemistry B</i> , 2007, 111, 6987-6991.	2.6	91
137	Single-Molecule Fluorescence Resonance Energy Transfer in Nanopipets: Improving Distance Resolution and Concentration Range. <i>Analytical Chemistry</i> , 2007, 79, 7367-7375.	6.5	31
138	Making Ultrasensitive Weighing Biocompatible by Placing the Sample within a Resonant Cantilever. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7926-7929.	13.8	4
139	Molecular Optical Switches and Waveguides. <i>Optik &amp; Photonik</i> , 2007, 2, 45-48.	0.2	2
140	Direct Observation of Abortive Initiation and Promoter Escape within Single Immobilized Transcription Complexes. <i>Biophysical Journal</i> , 2006, 90, 1419-1431.	0.5	136
141	DNA-Based Molecular Wires: Multiple Emission Pathways of Individual Constructs. <i>Journal of Physical Chemistry B</i> , 2006, 110, 26349-26353.	2.6	48
142	Dissecting and Reducing the Heterogeneity of Excited-State Energy Transport in DNA-Based Photonic Wires. <i>Journal of the American Chemical Society</i> , 2006, 128, 16864-16875.	13.7	91
143	Radiative and Nonradiative Rate Fluctuations of Single Colloidal Semiconductor Nanocrystals. <i>Journal of Physical Chemistry B</i> , 2006, 110, 5174-5178.	2.6	47
144	Application of multiline two-photon microscopy to functional in vivo imaging. <i>Journal of Neuroscience Methods</i> , 2006, 151, 276-286.	2.5	63

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145	Detection of Single Oxygen Molecules Opens Up New Vistas for the Investigation of Molecular Cooperativity in Hemocyanins. <i>ChemPhysChem</i> , 2006, 7, 1189-1191.	2.1	1
146	Design of Molecular Photonic Wires Based on Multistep Electronic Excitation Transfer. <i>ChemPhysChem</i> , 2005, 6, 217-222.	2.1	75
147	High-Resolution Colocalization of Single Molecules within the Resolution Gap of Far-Field Microscopy. <i>ChemPhysChem</i> , 2005, 6, 949-955.	2.1	25
148	Branching Out of Single-Molecule Fluorescence Spectroscopy: Challenges for Chemistry and Influence on Biology. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2642-2671.	13.8	232
149	Cover Picture: Branching Out of Single-Molecule Fluorescence Spectroscopy: Challenges for Chemistry and Influence on Biology ( <i>Angew. Chem. Int. Ed.</i> 18/2005). <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2613-2613.	13.8	2
150	Carbocyanine Dyes as Efficient Reversible Single-Molecule Optical Switch. <i>Journal of the American Chemical Society</i> , 2005, 127, 3801-3806.	13.7	388
151	Higher-Excited-State Photophysical Pathways in Multichromophoric Systems Revealed by Single-Molecule Fluorescence Spectroscopy. <i>ChemPhysChem</i> , 2004, 5, 1786-1790.	2.1	72
152	Multichromophoric Dendrimers as Single-Photon Sources: A Single-Molecule Study. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16686-16696.	2.6	76
153	Multistep Energy Transfer in Single Molecular Photonic Wires. <i>Journal of the American Chemical Society</i> , 2004, 126, 6514-6515.	13.7	192
154	Controlled three-dimensional immobilization of biomolecules on chemically patterned surfaces. <i>Journal of Biotechnology</i> , 2004, 112, 97-107.	3.8	58
155	Direct Observation of Collective Blinking and Energy Transfer in a Bichromophoric System. <i>Journal of Physical Chemistry A</i> , 2003, 107, 323-327.	2.5	63
156	Probing Förster Type Energy Pathways in a First Generation Rigid Dendrimer Bearing Two Perylene Imide Chromophores. <i>Journal of Physical Chemistry A</i> , 2003, 107, 6920-6931.	2.5	119
157	Revealing competitive Förster-type resonance energy-transfer pathways in single bichromophoric molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 13146-13151.	7.1	168
158	Measuring the Number of Independent Emitters in Single-Molecule Fluorescence Images and Trajectories Using Coincident Photons. <i>Analytical Chemistry</i> , 2002, 74, 5342-5349.	6.5	134
159	High-Resolution Colocalization of Single Dye Molecules by Fluorescence Lifetime Imaging Microscopy. <i>Analytical Chemistry</i> , 2002, 74, 3511-3517.	6.5	107
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