

Johan Hofkens

List of Publications by Year in descending order

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569
papers

31,980
citations

2802

94
h-index

8167

148
g-index

627
all docs

627
docs citations

627
times ranked

32661
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of PFKFB3-Driven Glycolysis in Vessel Sprouting. <i>Cell</i> , 2013, 154, 651-663.	28.9	1,117
2	Dopant-induced electron localization drives CO ₂ reduction to C ₂ hydrocarbons. <i>Nature Chemistry</i> , 2018, 10, 974-980.	13.6	781
3	State of the Art and Prospects for Halide Perovskite Nanocrystals. <i>ACS Nano</i> , 2021, 15, 10775-10981.	14.6	705
4	The Rylene Colorant Family—Tailored Nanoemitters for Photonics Research and Applications. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9068-9093.	13.8	565
5	Iron(III)-Based Metal-Organic Frameworks As Visible Light Photocatalysts. <i>Journal of the American Chemical Society</i> , 2013, 135, 14488-14491.	13.7	502
6	From The Cover: Reversible single-molecule photoswitching in the GFP-like fluorescent protein Dronpa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 9511-9516.	7.1	447
7	Thermal nonequilibrium of strained black CsPbI ₃ thin films. <i>Science</i> , 2019, 365, 679-684.	12.6	444
8	Spatially resolved observation of crystal-face-dependent catalysis by single turnover counting. <i>Nature</i> , 2006, 439, 572-575.	27.8	434
9	Solar-Driven Metal Halide Perovskite Photocatalysis: Design, Stability, and Performance. <i>ACS Energy Letters</i> , 2020, 5, 1107-1123.	17.4	400
10	Fluorescence Lifetime Standards for Time and Frequency Domain Fluorescence Spectroscopy. <i>Analytical Chemistry</i> , 2007, 79, 2137-2149.	6.5	397
11	It's a trap! On the nature of localised states and charge trapping in lead halide perovskites. <i>Materials Horizons</i> , 2020, 7, 397-410.	12.2	345
12	Perovskite seeding growth of formamidinium-lead-iodide-based perovskites for efficient and stable solar cells. <i>Nature Communications</i> , 2018, 9, 1607.	12.8	309
13	Bandgap opening in oxygen plasma-treated graphene. <i>Nanotechnology</i> , 2010, 21, 435203.	2.6	289
14	Stretched exponential decay and correlations in the catalytic activity of fluctuating single lipase molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 2368-2372.	7.1	273
15	Energy Dissipation in Multichromophoric Single Dendrimers. <i>Accounts of Chemical Research</i> , 2005, 38, 514-522.	15.6	269
16	Obj and Membrane Depolarization Are Part of a Microbial Bet-Hedging Strategy that Leads to Antibiotic Tolerance. <i>Molecular Cell</i> , 2015, 59, 9-21.	9.7	261
17	Photoswitches: Key molecules for subdiffraction-resolution fluorescence imaging and molecular quantification. <i>Laser and Photonics Reviews</i> , 2009, 3, 180-202.	8.7	247
18	Degradation of Methylammonium Lead Iodide Perovskite Structures through Light and Electron Beam Driven Ion Migration. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 561-566.	4.6	234

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19	Probing Photophysical Processes in Individual Multichromophoric Dendrimers by Single-Molecule Spectroscopy. <i>Journal of the American Chemical Society</i> , 2000, 122, 9278-9288.	13.7	230
20	An Experimental Comparison of the Maximum Likelihood Estimation and Nonlinear Least-Squares Fluorescence Lifetime Analysis of Single Molecules. <i>Analytical Chemistry</i> , 2001, 73, 2078-2086.	6.5	224
21	Direct Patterning of Oriented Metal-Organic Framework Crystals via Control over Crystallization Kinetics in Clear Precursor Solutions. <i>Advanced Materials</i> , 2010, 22, 2685-2688.	21.0	224
22	Solvent and pH Dependent Fluorescent Properties of a Dimethylaminostyryl Borondipyrromethene Dye in Solution. <i>Journal of Physical Chemistry A</i> , 2006, 110, 5998-6009.	2.5	222
23	Auto-production of biosurfactants reverses the coffee ring effect in a bacterial system. <i>Nature Communications</i> , 2013, 4, 1757.	12.8	222
24	Efficient and Selective Photocatalytic Oxidation of Benzylic Alcohols with Hybrid Organic-Inorganic Perovskite Materials. <i>ACS Energy Letters</i> , 2018, 3, 755-759.	17.4	222
25	Polymers and single molecule fluorescence spectroscopy, what can we learn?. <i>Chemical Society Reviews</i> , 2009, 38, 313-328.	38.1	196
26	Giant Electron-Phonon Coupling and Deep Conduction Band Resonance in Metal Halide Double Perovskite. <i>ACS Nano</i> , 2018, 12, 8081-8090.	14.6	190
27	Single-Enzyme Kinetics of CALB-Catalyzed Hydrolysis. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 560-564.	13.8	177
28	Design Aspects of Bright Red Emissive Silver Nanoclusters/DNA Probes for MicroRNA Detection. <i>ACS Nano</i> , 2012, 6, 8803-8814.	14.6	177
29	Super-Resolution Reactivity Mapping of Nanostructured Catalyst Particles. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9285-9289.	13.8	175
30	Photophysical Pathways in Highly Sensitive Cs ₂ AgBiBr ₆ Double Perovskite Single-Crystal X-Ray Detectors. <i>Advanced Materials</i> , 2018, 30, e1804450.	21.0	173
31	Characterization of Fluorescence in Heat-Treated Silver-Exchanged Zeolites. <i>Journal of the American Chemical Society</i> , 2009, 131, 3049-3056.	13.7	170
32	Revealing competitive Forster-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
33	Direct Z-Scheme Heterojunction of Semicoherent FAPbBr ₃ /Bi ₂ WO ₆ Interface for Photoredox Reaction with Large Driving Force. <i>ACS Nano</i> , 2020, 14, 16689-16697.	14.6	167
34	The ER Stress Sensor PERK Coordinates ER-Plasma Membrane Contact Site Formation through Interaction with Filamin-A and F-Actin Remodeling. <i>Molecular Cell</i> , 2017, 65, 885-899.e6.	9.7	165
35	Fluorescence from Azobenzene Functionalized Poly(propylene imine) Dendrimers in Self-Assembled Supramolecular Structures. <i>Journal of the American Chemical Society</i> , 2000, 122, 3445-3452.	13.7	164
36	Fluorescent Proteins: Shine on, You Crazy Diamond. <i>Journal of the American Chemical Society</i> , 2013, 135, 2387-2402.	13.7	163

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37	Probing Intramolecular Förster Resonance Energy Transfer in a Naphthaleneimide-Peryleneimide-Terryleneimide-Based Dendrimer by Ensemble and Single-Molecule Fluorescence Spectroscopy. <i>Journal of the American Chemical Society</i> , 2005, 127, 9760-9768.	13.7	156
38	Single-Molecule Surface Enhanced Resonance Raman Spectroscopy of the Enhanced Green Fluorescent Protein. <i>Journal of the American Chemical Society</i> , 2003, 125, 8446-8447.	13.7	153
39	Tuning the energetics and tailoring the optical properties of silver clusters confined in zeolites. <i>Nature Materials</i> , 2016, 15, 1017-1022.	27.5	153
40	Polyphenylene Dendrimers with Different Fluorescent Chromophores Asymmetrically Distributed at the Periphery. <i>Journal of the American Chemical Society</i> , 2001, 123, 8101-8108.	13.7	151
41	Identification of different emitting species in the red fluorescent protein DsRed by means of ensemble and single-molecule spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 14398-14403.	7.1	151
42	Fluorescence micro(spectro)scopy as a tool to study catalytic materials in action. <i>Chemical Society Reviews</i> , 2010, 39, 4703.	38.1	150
43	Characterizing the Fluorescence Intermittency and Photobleaching Kinetics of Dye Molecules Immobilized on a Glass Surface. <i>Journal of Physical Chemistry A</i> , 2006, 110, 1726-1734.	2.5	147
44	Morphology of Large ZSM-5 Crystals Unraveled by Fluorescence Microscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 5763-5772.	13.7	147
45	Edge stabilization in reduced-dimensional perovskites. <i>Nature Communications</i> , 2020, 11, 170.	12.8	147
46	A Stroboscopic Approach for Fast Photoactivation-Localization Microscopy with Dronpa Mutants. <i>Journal of the American Chemical Society</i> , 2007, 129, 13970-13977.	13.7	145
47	Intramolecular Energy Hopping and Energy Trapping in Polyphenylene Dendrimers with Multiple Peryleneimide Donor Chromophores and a Terryleneimide Acceptor Trap Chromophore. <i>Journal of the American Chemical Society</i> , 2001, 123, 7668-7676.	13.7	142
48	Single-molecule fluorescence spectroscopy in (bio)catalysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 12603-12609.	7.1	138
49	Hot Electron Tunneling of Metal-Insulator-COF Nanostructures for Efficient Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 18290-18294.	13.8	138
50	Subsurface Defect Engineering in Single-Unit-Cell Bi ₂ WO ₆ Monolayers Boosts Solar-Driven Photocatalytic Performance. <i>ACS Catalysis</i> , 2020, 10, 1439-1443.	11.2	138
51	Subdiffraction Limited, Remote Excitation of Surface Enhanced Raman Scattering. <i>Nano Letters</i> , 2009, 9, 995-1001.	9.1	136
52	Role of glutamine synthetase in angiogenesis beyond glutamine synthesis. <i>Nature</i> , 2018, 561, 63-69.	27.8	136
53	Conformational rearrangements in and twisting of a single molecule. <i>Chemical Physics Letters</i> , 2001, 333, 255-263.	2.6	135
54	Origin of the bright photoluminescence of few-atom silver clusters confined in LTA zeolites. <i>Science</i> , 2018, 361, 686-690.	12.6	134

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55	Dark States in Monomeric Red Fluorescent Proteins Studied by Fluorescence Correlation and Single Molecule Spectroscopy. <i>Biophysical Journal</i> , 2008, 94, 4103-4113.	0.5	133
56	Visualizing spatial and temporal heterogeneity of single molecule rotational diffusion in a glassy polymer by defocused wide-field imaging. <i>Polymer</i> , 2006, 47, 2511-2518.	3.8	130
57	Subdiffraction Imaging through the Selective Donut-Mode Depletion of Thermally Stable Photoswitchable Fluorophores: Numerical Analysis and Application to the Fluorescent Protein Dronpa. <i>Journal of the American Chemical Society</i> , 2007, 129, 16132-16141.	13.7	130
58	Antibunching in the Emission of a Single Tetrachromophoric Dendritic System. <i>Journal of the American Chemical Society</i> , 2002, 124, 14310-14311.	13.7	129
59	High-Resolution Single-Turnover Mapping Reveals Intraparticle Diffusion Limitation in Ti-MCM-41-Catalyzed Epoxidation. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 908-911.	13.8	128
60	LEDGINs inhibit late stage HIV-1 replication by modulating integrase multimerization in the virions. <i>Retrovirology</i> , 2013, 10, 57.	2.0	127
61	N ₂ Electroreduction to NH ₃ by Selenium Vacancy-Rich ReSe ₂ Catalysis at an Abrupt Interface. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13320-13327.	13.8	127
62	Three-Dimensional Visualization of Defects Formed during the Synthesis of Metal-Organic Frameworks: A Fluorescence Microscopy Study. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 401-405.	13.8	121
63	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
64	Space- and Time-Resolved Visualization of Acid Catalysis in ZSM-5 Crystals by Fluorescence Microscopy. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1706-1709.	13.8	119
65	Self-Assembled Organic Microfibers for Nonlinear Optics. <i>Advanced Materials</i> , 2013, 25, 2084-2089.	21.0	119
66	Intramolecular Förster Energy Transfer in a Dendritic System at the Single Molecule Level. <i>Journal of the American Chemical Society</i> , 2002, 124, 2418-2419.	13.7	118
67	Excitation wavelength dependent surface enhanced Raman scattering of 4-aminothiophenol on gold nanorings. <i>Nanoscale</i> , 2012, 4, 1606.	5.6	117
68	Highlighted Generation of Fluorescence Signals Using Simultaneous Two-Color Irradiation on Dronpa Mutants. <i>Biophysical Journal</i> , 2007, 92, L97-L99.	0.5	116
69	Radical C-H Arylation of the BODIPY Core with Aryldiazonium Salts: Synthesis of Highly Fluorescent Red-Shifted Dyes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4612-4616.	13.8	116
70	Molecular Assembling by the Radiation Pressure of a Focused Laser Beam: Poly(N-isopropylacrylamide) in Aqueous Solution. <i>Langmuir</i> , 1997, 13, 414-419.	3.5	115
71	Optical Encoding of Silver Zeolite Microcarriers. <i>Advanced Materials</i> , 2010, 22, 957-960.	21.0	115
72	Single molecule methods for the study of catalysis: from enzymes to heterogeneous catalysts. <i>Chemical Society Reviews</i> , 2014, 43, 990-1006.	38.1	115

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73	C(sp ³)-H Bond Activation by Perovskite Solar Photocatalyst Cell. ACS Energy Letters, 2019, 4, 203-208.	17.4	114
74	Quantitative Multicolor Super-Resolution Microscopy Reveals Tetherin HIV-1 Interaction. PLoS Pathogens, 2011, 7, e1002456.	4.7	113
75	Water-Soluble Monofunctional Perylene and Terrylene Dyes: Powerful Labels for Single-Enzyme Tracking. Angewandte Chemie - International Edition, 2008, 47, 3372-3375.	13.8	112
76	Live-Cell SERS Endoscopy Using Plasmonic Nanowire Waveguides. Advanced Materials, 2014, 26, 5124-5128.	21.0	110
77	Singlet Oxygen Photosensitization by EGFP and its Chromophore HBDI. Biophysical Journal, 2008, 94, 168-172.	0.5	109
78	Probing conformational dynamics in single donor-acceptor synthetic molecules by means of photoinduced reversible electron transfer. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 14343-14348.	7.1	108
79	Fluorescent probes for superresolution imaging of lipid domains on the plasma membrane. Chemical Science, 2011, 2, 1548.	7.4	108
80	New picosecond laser system for easy tunability over the whole ultraviolet/visible/near infrared wavelength range based on flexible harmonic generation and optical parametric oscillation. Review of Scientific Instruments, 2001, 72, 36-40.	1.3	105
81	Tunable Ratiometric Fluorescence Sensing of Intracellular pH by Aggregation-Induced Emission-Active Hyperbranched Polymer Nanoparticles. Chemistry of Materials, 2015, 27, 3450-3455.	6.7	105
82	Parameters Influencing the On- and Off-Times in the Fluorescence Intensity Traces of Single Cyanine Dye Molecules. Journal of Physical Chemistry A, 2002, 106, 4808-4814.	2.5	103
83	Optical mapping of DNA: Single-molecule-based methods for mapping genomes. Biopolymers, 2011, 95, 298-311.	2.4	103
84	Intramolecular Directional Förster Resonance Energy Transfer at the Single-Molecule Level in a Dendritic System. Journal of the American Chemical Society, 2003, 125, 13609-13617.	13.7	102
85	Reversible Optical Writing and Data Storage in an Anthracene-Loaded Metal-Organic Framework. Angewandte Chemie - International Edition, 2019, 58, 2423-2427.	13.8	102
86	Host Matrix Dependence on the Photophysical Properties of Individual Conjugated Polymer Chains. Macromolecules, 2003, 36, 500-507.	4.8	101
87	Photophysics of a Water-Soluble Rylene Dye: Comparison with Other Fluorescent Molecules for Biological Applications. Journal of Physical Chemistry B, 2004, 108, 12242-12251.	2.6	101
88	Excited-State Dynamics in the Enhanced Green Fluorescent Protein Mutant Probed by Picosecond Time-Resolved Single Photon Counting Spectroscopy. Journal of Physical Chemistry B, 2001, 105, 4999-5006.	2.6	100
89	Metal-Organic Framework Single Crystals as Photoactive Matrices for the Generation of Metallic Microstructures. Advanced Materials, 2011, 23, 1788-1791.	21.0	100
90	The 2018 correlative microscopy techniques roadmap. Journal Physics D: Applied Physics, 2018, 51, 443001.	2.8	99

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91	Spectroscopic Rationale for Efficient Stimulated-Emission Depletion Microscopy Fluorophores. <i>Journal of the American Chemical Society</i> , 2010, 132, 5021-5023.	13.7	98
92	Polyphenylene Dendrimers with Perylene Diimide as a Luminescent Core. <i>Chemistry - A European Journal</i> , 2001, 7, 4844-4853.	3.3	97
93	Effect of Core Structure on Photophysical and Hydrodynamic Properties of Porphyrin Dendrimers. <i>Macromolecules</i> , 2000, 33, 2967-2973.	4.8	96
94	Rational Design of Photoconvertible and Biphotochromic Fluorescent Proteins for Advanced Microscopy Applications. <i>Chemistry and Biology</i> , 2011, 18, 1241-1251.	6.0	96
95	Absolute determination of photoluminescence quantum efficiency using an integrating sphere setup. <i>Review of Scientific Instruments</i> , 2014, 85, 123115.	1.3	96
96	Photoactivation of Silver-Exchanged Zeolite...A. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2813-2816.	13.8	95
97	Photoinduced Electron Transfer in a Rigid First Generation Triphenylamine Core Dendrimer Substituted with a Peryleneimide Acceptor. <i>Journal of the American Chemical Society</i> , 2002, 124, 9918-9925.	13.7	94
98	Ryanodine receptor cluster fragmentation and redistribution in persistent atrial fibrillation enhance calcium release. <i>Cardiovascular Research</i> , 2015, 108, 387-398.	3.8	93
99	Fluorescence Detection from Single Dendrimers with Multiple Chromophores. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3752-3756.	13.8	92
100	Supertrap at Work: Extremely Efficient Nonradiative Recombination Channels in MAPbI ₃ Perovskites Revealed by Luminescence Super-Resolution Imaging and Spectroscopy. <i>ACS Nano</i> , 2017, 11, 5391-5404.	14.6	92
101	Fluorescence of Single Molecules in Polymer Films: A Sensitivity of Blinking to Local Environment. <i>Journal of Physical Chemistry B</i> , 2007, 111, 6987-6991.	2.6	91
102	Topochemistry-Driven Synthesis of Transition-Metal Selenides with Weakened Van Der Waals Force to Enable 3D-Printed Na-Ion Hybrid Capacitors. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	91
103	Transfection of living HeLa cells with fluorescent poly-cytosine encapsulated Ag nanoclusters. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 716-721.	2.9	90
104	High-Throughput Fabrication of Organic Nanowire Devices with Preferential Internal Alignment and Improved Performance. <i>Nano Letters</i> , 2007, 7, 3639-3644.	9.1	89
105	DNA fluorocode: A single molecule, optical map of DNA with nanometre resolution. <i>Chemical Science</i> , 2010, 1, 453.	7.4	88
106	Indirect tail states formation by thermal-induced polar fluctuations in halide perovskites. <i>Nature Communications</i> , 2019, 10, 484.	12.8	88
107	Tracking Structural Phase Transitions in Lead-Halide Perovskites by Means of Thermal Expansion. <i>Advanced Materials</i> , 2019, 31, e1900521.	21.0	88
108	Photophysical study of a multi-chromophoric dendrimer by time-resolved fluorescence and femtosecond transient absorption spectroscopy. <i>Chemical Physics Letters</i> , 1999, 304, 1-9.	2.6	87

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109	Green-to-Red Photoconvertible Dronpa Mutant for Multimodal Super-resolution Fluorescence Microscopy. <i>ACS Nano</i> , 2014, 8, 1664-1673.	14.6	87
110	A Facet-Specific Quantum Dot Passivation Strategy for Colloid Management and Efficient Infrared Photovoltaics. <i>Advanced Materials</i> , 2019, 31, e1805580.	21.0	87
111	Intramolecular Energy Hopping in Polyphenylene Dendrimers with an Increasing Number of Peryleneimide Chromophores. <i>Journal of Physical Chemistry A</i> , 2001, 105, 3961-3966.	2.5	86
112	High-Resolution Single-Molecule Fluorescence Imaging of Zeolite Aggregates within Real-Life Fluid Catalytic Cracking Particles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1836-1840.	13.8	85
113	Energy and Electron Transfer in Ethynylene Bridged Perylene Diimide Multichromophores. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4861-4870.	3.1	83
114	Evidence for the Isomerization and Decarboxylation in the Photoconversion of the Red Fluorescent Protein DsRed. <i>Journal of the American Chemical Society</i> , 2005, 127, 8977-8984.	13.7	82
115	Photo-induced protonation/deprotonation in the GFP-like fluorescent protein Dronpa: mechanism responsible for the reversible photoswitching. <i>Photochemical and Photobiological Sciences</i> , 2006, 5, 567.	2.9	81
116	Defocused Wide-field Imaging Unravels Structural and Temporal Heterogeneity in Complex Systems. <i>Advanced Materials</i> , 2009, 21, 1079-1090.	21.0	81
117	Microscopic insight into non-radiative decay in perovskite semiconductors from temperature-dependent luminescence blinking. <i>Nature Communications</i> , 2019, 10, 1698.	12.8	81
118	Challenges and Opportunities for CsPbBr ₃ Perovskites in Low- and High-Energy Radiation Detection. <i>ACS Energy Letters</i> , 2021, 6, 1290-1314.	17.4	80
119	Ultrafast Excited-State Dynamics of the Photoswitchable Protein Dronpa. <i>Journal of the American Chemical Society</i> , 2007, 129, 4870-4871.	13.7	79
120	Complementarity of PALM and SOFI for super-resolution live-cell imaging of focal adhesions. <i>Nature Communications</i> , 2016, 7, 13693.	12.8	77
121	Aggregation Induced Enhancement of Linear and Nonlinear Optical Emission from a Hexaphenylene Derivative. <i>Advanced Functional Materials</i> , 2016, 26, 8968-8977.	14.9	77
122	Ring Formation in Evaporating Porphyrin Derivative Solutions. <i>Langmuir</i> , 1999, 15, 3582-3588.	3.5	76
123	Multichromophoric Dendrimers as Single-Photon Sources: A Single-Molecule Study. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16686-16696.	2.6	76
124	Photoluminescence Blinking of Single-Crystal Methylammonium Lead Iodide Perovskite Nanorods Induced by Surface Traps. <i>ACS Omega</i> , 2016, 1, 148-159.	3.5	76
125	Radical Polymerization Tracked by Single Molecule Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 783-787.	13.8	75
126	Measuring the Viscosity of the Escherichia coli Plasma Membrane Using Molecular Rotors. <i>Biophysical Journal</i> , 2016, 111, 1528-1540.	0.5	75

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127	Synthesis and single enzyme activity of a clicked lipaseâ€“BSA hetero-dimer. Chemical Communications, 2006, , 2012-2014.	4.1	73
128	Mesostructure of Evaporated Porphyrin Thin Films:â€‰ Porphyrin Wheel Formation. Journal of Physical Chemistry B, 1997, 101, 10588-10598.	2.6	72
129	Higher-Excited-State Photophysical Pathways in Multichromophoric Systems Revealed by Single-Molecule Fluorescence Spectroscopy. ChemPhysChem, 2004, 5, 1786-1790.	2.1	72
130	Silver Clusters in Zeolites: From Self-Assembly to Ground-Breaking Luminescent Properties. Accounts of Chemical Research, 2017, 50, 2353-2361.	15.6	72
131	Tuning the Structural and Optoelectronic Properties of Cs ₂ AgBiBr ₆ Doubleâ€“Perovskite Single Crystals through Alkaliâ€“Metal Substitution. Advanced Materials, 2020, 32, e2001878.	21.0	72
132	Single Molecule Nanospectroscopy Visualizes Proton-Transfer Processes within a Zeolite Crystal. Journal of the American Chemical Society, 2016, 138, 13586-13596.	13.7	71
133	Thermally activated LTA(Li)â€“Ag zeolites with water-responsive photoluminescence properties. Journal of Materials Chemistry C, 2015, 3, 11857-11867.	5.5	70
134	Detection of a Single Dendrimer Macromolecule with a Fluorescent Dihydropyrrolopyrroledione (DPP) Core Embedded in a Thin Polystyrene Polymer Film. Macromolecules, 1998, 31, 4493-4497.	4.8	69
135	Quantitative 3D Fluorescence Imaging of Single Catalytic Turnovers Reveals Spatiotemporal Gradients in Reactivity of Zeolite H-ZSM-5 Crystals upon Steaming. Journal of the American Chemical Society, 2015, 137, 6559-6568.	13.7	69
136	Triplet states as non-radiative traps in multichromophoric entities: single molecule spectroscopy of an artificial and natural antenna system. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2001, 57, 2093-2107.	3.9	68
137	Influence of Structural and Rotational Isomerism on the Triplet Blinking of Individual Dendrimer Molecules. Angewandte Chemie - International Edition, 2001, 40, 4643-4648.	13.8	68
138	Synthesis and Photophysics of Coreâ€“Substituted Naphthalene Diimides: Fluorophores for Single Molecule Applications. Chemistry - an Asian Journal, 2009, 4, 1542-1550.	3.3	68
139	The Persistence-Inducing Toxin HokB Forms Dynamic Pores That Cause ATP Leakage. MBio, 2018, 9, .	4.1	68
140	Phase Transitions and Anion Exchange in All-Inorganic Halide Perovskites. Accounts of Materials Research, 2020, 1, 3-15.	11.7	67
141	Do enzymes sleep and work?. Chemical Communications, 2006, , 935.	4.1	66
142	Second-Harmonic Generation in GFP-like Proteins. Journal of the American Chemical Society, 2008, 130, 15713-15719.	13.7	66
143	Direct Laser Writing of Î±- to Î±-Phase Transformation in Formamidinium Lead Iodide. ACS Nano, 2017, 11, 8072-8083.	14.6	66
144	The BOPHY fluorophore with double boron chelation: Synthesis and spectroscopy. Coordination Chemistry Reviews, 2018, 371, 1-10.	18.8	66

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145	Determination and Optimization of the Luminescence External Quantum Efficiency of Silver-Clusters Zeolite Composites. <i>Journal of Physical Chemistry C</i> , 2013, 117, 6998-7004.	3.1	64
146	Emission Properties of Oxyluciferin and Its Derivatives in Water: Revealing the Nature of the Emissive Species in Firefly Bioluminescence. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2638-2649.	2.6	63
147	Evaluation of Direct Grafting Strategies <i>via</i> Trivalent Anchoring for Enabling Lipid Membrane and Cytoskeleton Staining in Expansion Microscopy. <i>ACS Nano</i> , 2020, 14, 7860-7867.	14.6	63
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