

# We Moerner Or William E Moerner

## List of Publications by Citations

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32,838  
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L-index

#	Paper	IF	Citations
360	Large single-molecule fluorescence enhancements produced by a bowtie nanoantenna. <i>Nature Photonics</i> , <b>2009</b> , 3, 654-657	33.9	1550
359	On/off blinking and switching behaviour of single molecules of green fluorescent protein. <i>Nature</i> , <b>1997</b> , 388, 355-8	50.4	1144
358	Illuminating single molecules in condensed matter. <i>Science</i> , <b>1999</b> , 283, 1670-6	33.3	976
357	Optical detection and spectroscopy of single molecules in a solid. <i>Physical Review Letters</i> , <b>1989</b> , 62, 2535-2538	7.4	865
356	Improving the mismatch between light and nanoscale objects with gold bowtie nanoantennas. <i>Physical Review Letters</i> , <b>2005</b> , 94, 017402	7.4	802
355	Three-dimensional, single-molecule fluorescence imaging beyond the diffraction limit by using a double-helix point spread function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 2995-9	11.5	700
354	Methods of single-molecule fluorescence spectroscopy and microscopy. <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 3597-3619	1.7	666
353	Polymeric photorefractive materials. <i>Chemical Reviews</i> , <b>1994</b> , 94, 127-155	68.1	634
352	Single photons on demand from a single molecule at room temperature. <i>Nature</i> , <b>2000</b> , 407, 491-3	50.4	609
351	Gap-Dependent Optical Coupling of Single Bowtie Nanoantennas Resonant in the Visible. <i>Nano Letters</i> , <b>2004</b> , 4, 957-961	11.5	503
350	Observation of the photorefractive effect in a polymer. <i>Physical Review Letters</i> , <b>1991</b> , 66, 1846-1849	7.4	489
349	Photon antibunching in the fluorescence of a single dye molecule trapped in a solid. <i>Physical Review Letters</i> , <b>1992</b> , 69, 1516-1519	7.4	442
348	Organic photorefractives: mechanisms, materials, and applications. <i>Chemical Reviews</i> , <b>2004</b> , 104, 3267-3668	68.1	387
347	New directions in single-molecule imaging and analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 12596-602	11.5	376
346	A Dozen Years of Single-Molecule Spectroscopy in Physics, Chemistry, and Biophysics. <i>Journal of Physical Chemistry B</i> , <b>2002</b> , 106, 910-927	3.4	370
345	Three-dimensional imaging of single molecules solvated in pores of poly(acrylamide) gels. <i>Science</i> , <b>1996</b> , 274, 966-9	33.3	339
344	Orientationally enhanced photorefractive effect in polymers. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1994</b> , 11, 320	1.7	333

343	Toward nanometer-scale optical photolithography: utilizing the near-field of bowtie optical nanoantennas. <i>Nano Letters</i> , <b>2006</b> , 6, 355-60	11.5	318
342	Detection and spectroscopy of single pentacene molecules in a p-terphenyl crystal by means of fluorescence excitation. <i>Journal of Chemical Physics</i> , <b>1991</b> , 95, 7150-7163	3.9	316
341	Fluorescence spectroscopy and spectral diffusion of single impurity molecules in a crystal. <i>Nature</i> , <b>1991</b> , 349, 225-227	50.4	298
340	Super-resolution imaging in live <i>Caulobacter crescentus</i> cells using photoswitchable EYFP. <i>Nature Methods</i> , <b>2008</b> , 5, 947-9	21.6	294
339	Fluorescence correlation spectroscopy reveals fast optical excitation-driven intramolecular dynamics of yellow fluorescent proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 151-6	11.5	267
338	A spindle-like apparatus guides bacterial chromosome segregation. <i>Nature Cell Biology</i> , <b>2010</b> , 12, 791-8	23.4	264
337	PHOTOREFRACTIVE POLYMERS. <i>Annual Review of Materials Research</i> , <b>1997</b> , 27, 585-623		256
336	Photon antibunching in single CdSe/ZnS quantum dot fluorescence. <i>Chemical Physics Letters</i> , <b>2000</b> , 329, 399-404	2.5	255
335	Three-Dimensional Localization of Single Molecules for Super-Resolution Imaging and Single-Particle Tracking. <i>Chemical Reviews</i> , <b>2017</b> , 117, 7244-7275	68.1	254
334	Exploring the chemical enhancement for surface-enhanced Raman scattering with Au bowtie nanoantennas. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 61101	3.9	251
333	A polymeric protein anchors the chromosomal origin/ParB complex at a bacterial cell pole. <i>Cell</i> , <b>2008</b> , 134, 945-55	56.2	235
332	Translational diffusion of individual class II MHC membrane proteins in cells. <i>Biophysical Journal</i> , <b>2002</b> , 83, 2681-92	2.9	224
331	Magnetic resonance of a single molecular spin. <i>Nature</i> , <b>1993</b> , 363, 242-244	50.4	218
330	Field enhancement and gap-dependent resonance in a system of two opposing tip-to-tip Au nanotriangles. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	206
329	Examining nanoenvironments in solids on the scale of a single, isolated impurity molecule. <i>Science</i> , <b>1994</b> , 265, 46-53	33.3	198
328	Suppressing Brownian motion of individual biomolecules in solution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 4362-5	11.5	192
327	Exploring bacterial cell biology with single-molecule tracking and super-resolution imaging. <i>Nature Reviews Microbiology</i> , <b>2014</b> , 12, 9-22	22.2	187
326	Single molecules of the bacterial actin MreB undergo directed treadmilling motion in <i>Caulobacter crescentus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 10929-34	11.5	182

325	Optical Spectroscopy of Single Impurity Molecules in Solids. <i>Angewandte Chemie International Edition in English</i> , <b>1993</b> , 32, 457-476		177
324	Optimal point spread function design for 3D imaging. <i>Physical Review Letters</i> , <b>2014</b> , 113, 133902	7.4	176
323	A photoactivatable push-pull fluorophore for single-molecule imaging in live cells. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 9204-5	16.4	166
322	Simultaneous Imaging of Individual Molecules Aligned Both Parallel and Perpendicular to the Optic Axis. <i>Physical Review Letters</i> , <b>1998</b> , 81, 5322-5325	7.4	160
321	Optical Probing of Single Molecules of Terrylene in a Shpol'kii Matrix: A Two-State Single-Molecule Switch. <i>The Journal of Physical Chemistry</i> , <b>1994</b> , 98, 7382-7389		150
320	Single-Molecule Spectroscopy, Imaging, and Photocontrol: Foundations for Super-Resolution Microscopy (Nobel Lecture). <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 8067-93	16.4	148
319	Superresolution imaging of targeted proteins in fixed and living cells using photoactivatable organic fluorophores. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 15099-101	16.4	148
318	High-speed photorefractive polymer composites. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 1490-1492	3.4	147
317	Method for trapping and manipulating nanoscale objects in solution. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 093109	3.4	143
316	ADP-induced rocking of the kinesin motor domain revealed by single-molecule fluorescence polarization microscopy. <i>Nature Structural Biology</i> , <b>2001</b> , 8, 540-4		140
315	Optical modification of a single impurity molecule in a solid. <i>Nature</i> , <b>1992</b> , 355, 335-337	50.4	135
314	Precise Three-Dimensional Scan-Free Multiple-Particle Tracking over Large Axial Ranges with Tetrapod Point Spread Functions. <i>Nano Letters</i> , <b>2015</b> , 15, 4194-9	11.5	133
313	Single-molecule fluorescence spectroscopy and microscopy of biomolecular motors. <i>Annual Review of Physical Chemistry</i> , <b>2004</b> , 55, 79-96	15.7	133
312	Simultaneous, accurate measurement of the 3D position and orientation of single molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 19087-92	11.5	128
311	Localizing and tracking single nanoscale emitters in three dimensions with high spatiotemporal resolution using a double-helix point spread function. <i>Nano Letters</i> , <b>2010</b> , 10, 211-8	11.5	127
310	The Fluorescence Dynamics of Single Molecules of Green Fluorescent Protein. <i>Journal of Physical Chemistry A</i> , <b>1999</b> , 103, 10553-10560	2.8	127
309	Single-molecule spectroscopy and imaging of biomolecules in living cells. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 2192-203	7.8	125
308	Three-dimensional tracking of single mRNA particles in <i>Saccharomyces cerevisiae</i> using a double-helix point spread function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 17864-71	11.5	123

307	Photorefractive Properties of Poly(N-vinyl carbazole)-Based Composites for High-Speed Applications. <i>Chemistry of Materials</i> , <b>1999</b> , 11, 1784-1791	9.6	118
306	Visualization of the movement of single histidine kinase molecules in live <i>Caulobacter</i> cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 15921-6	11.5	116
305	Structure and Dynamics in Solids As Probed by Optical Spectroscopy. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 13251-13262		110
304	High performance photorefractive polymer with improved stability. <i>Applied Physics Letters</i> , <b>1997</b> , 70, 1515-1517	3.4	108
303	Three-dimensional superresolution colocalization of intracellular protein superstructures and the cell surface in live <i>Caulobacter crescentus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, E1102-10	11.5	106
302	Net two-beam-coupling gain in a polymeric photorefractive material. <i>Optics Letters</i> , <b>1993</b> , 18, 1044	3	106
301	Watching conformational- and photo-dynamics of single fluorescent proteins in solution. <i>Nature Chemistry</i> , <b>2010</b> , 2, 179-86	17.6	105
300	Cholesterol depletion suppresses the translational diffusion of class II major histocompatibility complex proteins in the plasma membrane. <i>Biophysical Journal</i> , <b>2005</b> , 88, 334-47	2.9	105
299	Super-resolution fluorescence imaging with single molecules. <i>Current Opinion in Structural Biology</i> , <b>2013</b> , 23, 778-87	8.1	104
298	Controlling Brownian motion of single protein molecules and single fluorophores in aqueous buffer. <i>Optics Express</i> , <b>2008</b> , 16, 6941-56	3.3	103
297	Near-field optical spectroscopy of individual molecules in solids. <i>Physical Review Letters</i> , <b>1994</b> , 73, 2764-2767	3.7	103
296	Single-Molecule Fluorescence Resonant Energy Transfer in Calcium Concentration Dependent Cameleon. <i>Journal of Physical Chemistry B</i> , <b>2000</b> , 104, 3676-3682	3.4	101
295	3D single-molecule super-resolution microscopy with a tilted light sheet. <i>Nature Communications</i> , <b>2018</b> , 9, 123	17.4	96
294	Cholesterol depletion induces solid-like regions in the plasma membrane. <i>Biophysical Journal</i> , <b>2006</b> , 90, 927-38	2.9	96
293	Novel fluorophores for single-molecule imaging. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 1174-5	16.4	94
292	A selenium analogue of firefly D-luciferin with red-shifted bioluminescence emission. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 3350-3	16.4	93
291	Optical spectra and kinetics of single impurity molecules in a polymer: spectral diffusion and persistent spectral hole burning. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1992</b> , 9, 829	1.7	92
290	Small-molecule labeling of live cell surfaces for three-dimensional super-resolution microscopy. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 14003-6	16.4	91

289	Photophysics of DsRed, a Red Fluorescent Protein, from the Ensemble to the Single-Molecule Level. <i>Journal of Physical Chemistry B</i> , <b>2001</b> , 105, 5048-5054	3.4	91
288	Extending microscopic resolution with single-molecule imaging and active control. <i>Annual Review of Biophysics</i> , <b>2012</b> , 41, 321-42	21.1	90
287	Three-dimensional localization precision of the double-helix point spread function versus astigmatism and biplane. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 161103	3.4	89
286	High-Resolution Optical Spectroscopy of Single Molecules in Solids. <i>Accounts of Chemical Research</i> , <b>1996</b> , 29, 563-571	24.3	89
285	Microscopy beyond the diffraction limit using actively controlled single molecules. <i>Journal of Microscopy</i> , <b>2012</b> , 246, 213-20	1.9	88
284	Spectroscopic determination of trap density in C60-sensitized photorefractive polymers. <i>Chemical Physics Letters</i> , <b>1998</b> , 291, 553-561	2.5	86
283	Multicolour localization microscopy by point-spread-function engineering. <i>Nature Photonics</i> , <b>2016</b> , 10, 590-594	33.9	86
282	Extending single-molecule microscopy using optical Fourier processing. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 8313-29	3.4	84
281	DCDHF fluorophores for single-molecule imaging in cells. <i>ChemPhysChem</i> , <b>2009</b> , 10, 55-65	3.2	84
280	Spontaneous Oscillation and Self-Pumped Phase Conjugation in a Photorefractive Polymer Optical Amplifier. <i>Science</i> , <b>1997</b> , 277, 549-552	33.3	84
279	Three-dimensional super-resolution imaging of the midplane protein FtsZ in live <i>Caulobacter crescentus</i> cells using astigmatism. <i>ChemPhysChem</i> , <b>2012</b> , 13, 1007-12	3.2	83
278	Spectral analysis of strongly enhanced visible light transmission through single C-shaped nanoapertures. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 648-650	3.4	83
277	Rotational mobility of single molecules affects localization accuracy in super-resolution fluorescence microscopy. <i>Nano Letters</i> , <b>2013</b> , 13, 3967-72	11.5	82
276	STED microscopy with optimized labeling density reveals 9-fold arrangement of a centriole protein. <i>Biophysical Journal</i> , <b>2012</b> , 102, 2926-35	2.9	81
275	Corkscrew point spread function for far-field three-dimensional nanoscale localization of pointlike objects. <i>Optics Letters</i> , <b>2011</b> , 36, 202-4	3	81
274	Conformational dynamics of single G protein-coupled receptors in solution. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 13328-38	3.4	81
273	Single molecule spectroscopy: maximum emission rate and saturation intensity. <i>Optics Communications</i> , <b>1995</b> , 114, 83-88	2	81
272	Removing Orientation-Induced Localization Biases in Single-Molecule Microscopy Using a Broadband Metasurface Mask. <i>Nature Photonics</i> , <b>2016</b> , 10, 459-462	33.9	81

271	Azido push-pull fluorogens photoactivate to produce bright fluorescent labels. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 14157-67	3.4	80
270	Fluorescence Behavior of Single-Molecule pH-Sensors. <i>Single Molecules</i> , <b>2000</b> , 1, 17-23		80
269	C60 sensitization of a photorefractive polymer. <i>Applied Physics Letters</i> , <b>1992</b> , 61, 2967-2969	3.4	80
268	The role of molecular dipole orientation in single-molecule fluorescence microscopy and implications for super-resolution imaging. <i>ChemPhysChem</i> , <b>2014</b> , 15, 587-99	3.2	79
267	Quantitative multicolor subdiffraction imaging of bacterial protein ultrastructures in three dimensions. <i>Nano Letters</i> , <b>2013</b> , 13, 987-93	11.5	78
266	Super-resolution fluorescence imaging of intracellular mutant huntingtin protein reveals a population of fibrillar aggregates co-existing with compact perinuclear inclusion bodies. <i>Molecular Neurodegeneration</i> , <b>2013</b> , 8, O18	19	78
265	Those Blinking Single Molecules. <i>Science</i> , <b>1997</b> , 277, 1059-1060	33.3	78
264	Mechanism of photon-gated persistent spectral hole burning in metal-tetrabenzoporphyrin/halomethane systems: donor-acceptor electron transfer. <i>The Journal of Physical Chemistry</i> , <b>1987</b> , 91, 3998-4004		78
263	Single-molecule motions enable direct visualization of biomolecular interactions in solution. <i>Nature Methods</i> , <b>2014</b> , 11, 555-8	21.6	76
262	Two-beam coupling measurements of grating phase in a photorefractive polymer. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1992</b> , 9, 1642	1.7	76
261	Optical detection and probing of single dopant molecules of pentacene in a p-terphenyl host crystal by means of absorption spectroscopy. <i>The Journal of Physical Chemistry</i> , <b>1990</b> , 94, 1237-1248		76
260	Enhanced DNA imaging using super-resolution microscopy and simultaneous single-molecule orientation measurements. <i>Optica</i> , <b>2016</b> , 3, 3-6	8.6	75
259	Super-resolution imaging of the nucleoid-associated protein HU in <i>Caulobacter crescentus</i> . <i>Biophysical Journal</i> , <b>2011</b> , 100, L31-3	2.9	75
258	Fluorescence bleaching reveals asymmetric compartment formation prior to cell division in <i>Caulobacter</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 8235-40	11.5	75
257	Vibronic Spectroscopy of Individual Molecules in Solids. <i>The Journal of Physical Chemistry</i> , <b>1994</b> , 98, 10377-10390		75
256	Analytical tools to distinguish the effects of localization error, confinement, and medium elasticity on the velocity autocorrelation function. <i>Biophysical Journal</i> , <b>2012</b> , 102, 2443-50	2.9	74
255	Nonlinear optical chromophores as nanoscale emitters for single-molecule spectroscopy. <i>Accounts of Chemical Research</i> , <b>2005</b> , 38, 549-56	24.3	74
254	Bacterial scaffold directs pole-specific centromere segregation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E2046-55	11.5	73

253	Experimental and Theoretical Investigations of Environmentally Sensitive Single-Molecule Fluorophores. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 10465-10473	3.4	73
252	Single-Molecule Identification of Quenched and Unquenched States of LHCII. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 860-7	6.4	70
251	Probing single biomolecules in solution using the anti-Brownian electrokinetic (ABEL) trap. <i>Accounts of Chemical Research</i> , <b>2012</b> , 45, 1955-64	24.3	69
250	Long-wavelength analogue of PRODAN: synthesis and properties of Anthradan, a fluorophore with a 2,6-donor-acceptor anthracene structure. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 9651-7	4.2	69
249	Integrated semiconductor vertical-cavity surface-emitting lasers and PIN photodetectors for biomedical fluorescence sensing. <i>IEEE Journal of Quantum Electronics</i> , <b>2004</b> , 40, 491-498	2	68
248	Principal-components analysis of shape fluctuations of single DNA molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 12622-7	11.5	66
247	Gold bowtie nanoantennas for surface-enhanced Raman scattering under controlled electrochemical potential. <i>Chemical Physics Letters</i> , <b>2007</b> , 446, 339-343	2.5	65
246	Systematics of two-wave mixing in a photorefractive polymer. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1998</b> , 15, 905	1.7	64
245	Optische Spektroskopie von einzelnen Dotierungsmolekülen in Festkörpern. <i>Angewandte Chemie</i> , <b>1993</b> , 105, 537-557	3.6	64
244	Single-molecule imaging of Hedgehog pathway protein Smoothed in primary cilia reveals binding events regulated by Patched1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 8320-5	11.5	63
243	Cy3-Cy5 covalent heterodimers for single-molecule photoswitching. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 11878-80	3.4	63
242	Cellular inclusion bodies of mutant huntingtin exon 1 obscure small fibrillar aggregate species. <i>Scientific Reports</i> , <b>2012</b> , 2, 895	4.9	62
241	Photophysical properties of acene DCDHF fluorophores: long-wavelength single-molecule emitters designed for cellular imaging. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 8934-41	2.8	62
240	Vibrational analysis of the dispersed fluorescence from single molecules of terrylene in polyethylene. <i>Chemical Physics Letters</i> , <b>1993</b> , 213, 325-332	2.5	62
239	Optical studies of single terrylene molecules in polyethylene. <i>Journal of Luminescence</i> , <b>1993</b> , 56, 1-14	3.8	62
238	Single-molecule spectroscopy reveals photosynthetic LH2 complexes switch between emissive states. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 10899-903	11.5	61
237	Sensing cooperativity in ATP hydrolysis for single multisubunit enzymes in solution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 16962-7	11.5	61
236	Single-molecule optical spectroscopy of autofluorescent proteins. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 10925-10937	3.9	60



235	Correcting field-dependent aberrations with nanoscale accuracy in three-dimensional single-molecule localization microscopy. <i>Optica</i> , <b>2015</b> , 2, 985-993	8.6	59
234	An Adaptive Anti-Brownian Electrokinetic trap with real-time information on single-molecule diffusivity and mobility. <i>ACS Nano</i> , <b>2011</b> , 5, 5792-9	16.7	59
233	Photoconductivity studies of photorefractive polymers. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1992</b> , 9, 2059	1.7	58
232	. <i>Advanced Functional Materials</i> , <b>2002</b> , 12, 621-629	15.6	57
231	Statistical fine structure of inhomogeneously broadened absorption lines. <i>Physical Review Letters</i> , <b>1987</b> , 59, 2705-2708	7.4	57
230	Measurement of quantum efficiencies for persistent spectral hole burning. <i>The Journal of Physical Chemistry</i> , <b>1984</b> , 88, 6459-6460		57
229	Polarized fluorescence microscopy of individual and many kinesin motors bound to axonemal microtubules. <i>Biophysical Journal</i> , <b>2001</b> , 81, 2851-63	2.9	56
228	Poly(silane)-based high-mobility photorefractive polymers. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1993</b> , 10, 2306	1.7	56
227	Monolithically integrated semiconductor fluorescence sensor for microfluidic applications. <i>Sensors and Actuators B: Chemical</i> , <b>2005</b> , 105, 393-399	8.5	53
226	Single-molecule spectroscopy and imaging over the decades. <i>Faraday Discussions</i> , <b>2015</b> , 184, 9-36	3.6	52
225	Enzymatic activation of nitro-aryl fluorogens in live bacterial cells for enzymatic turnover-activated localization microscopy. <i>Chemical Science</i> , <b>2013</b> , 42, 220-225	9.4	51
224	Dispersed fluorescence spectra of single molecules of pentacene in p-terphenyl. <i>The Journal of Physical Chemistry</i> , <b>1993</b> , 97, 2491-2493		51
223	Can single-photon processes provide useful materials for frequency-domain optical storage?. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>1985</b> , 2, 915	1.7	51
222	A Comparison of Through-the-Objective Total Internal Reflection Microscopy and Epifluorescence Microscopy for Single-Molecule Fluorescence Imaging. <i>Single Molecules</i> , <b>2001</b> , 2, 191-201		50
221	Image amplification and novelty filtering with a photorefractive polymer. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 3358-3360	3.4	50
220	Holographic digital data storage in a photorefractive polymer. <i>Optics Letters</i> , <b>1996</b> , 21, 890-2	3	50
219	Diffusion of lipid-like single-molecule fluorophores in the cell membrane. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 8151-7	3.4	49
218	Super-resolution Imaging of Live Bacteria Cells Using a Genetically Directed, Highly Photostable Fluoromodule. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 10398-401	16.4	49

217	Two-color, photon-gated spectral hole-burning in an organic material. <i>Chemical Physics Letters</i> , <b>1985</b> , 118, 611-616	2.5	48
216	Single-molecule motions of oligoarginine transporter conjugates on the plasma membrane of Chinese hamster ovary cells. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 9364-70	16.4	47
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