shimon weiss

List of Publications by Year in descending order

177 papers	38,118 citations	14124 69 h-index	6349 163 g-index
197 all docs	197 docs citations	197 times ranked	33751 citing authors

#	Article	IF	Citations
1	Membrane potential sensing: Material design and method development for single particle optical electrophysiology. Journal of Chemical Physics, 2022, 156, 084201.	1.2	2
2	Multi-parameter photon-by-photon hidden Markov modeling. Nature Communications, 2022, 13, 1000.	5.8	18
3	PySOFI: an open source Python package for SOFI. Biophysical Reports, 2022, 2, 100052.	0.7	1
4	In vitro and in vivo NIR fluorescence lifetime imaging with a time-gated SPAD camera. Optica, 2022, 9, 532.	4.8	15
5	Statistical parametrization of cell cytoskeleton reveals lung cancer cytoskeletal phenotype with partial EMT signature. Communications Biology, 2022, 5, 407.	2.0	8
6	Super-resolution Imaging of Plasmonic Near-Fields: Overcoming Emitter Mislocalizations. Journal of Physical Chemistry Letters, 2022, 13, 4520-4529.	2.1	2
7	Electrically controlling and optically observing the membrane potential of supported lipid bilayers. Biophysical Journal, 2022, 121, 2624-2637.	0.2	3
8	FRET-based dynamic structural biology: Challenges, perspectives and an appeal for open-science practices. ELife, 2021, 10, .	2.8	152
9	Weak Electromagnetic Fields Accelerate Fusion of Myoblasts. International Journal of Molecular Sciences, 2021, 22, 4407.	1.8	0
10	Receptor compaction and GTPase rearrangement drive SRP-mediated cotranslational protein translocation into the ER. Science Advances, 2021, 7, .	4.7	14
11	Subunit cooperation in the Get1/2 receptor promotes tail-anchored membrane protein insertion. Journal of Cell Biology, 2021, 220, .	2.3	2
12	Optical probing of local membrane potential with fluorescent polystyrene beads. Biophysical Reports, 2021, 1, 100030.	0.7	2
13	Single-Photon, Time-Gated, Phasor-Based Fluorescence Lifetime Imaging through Highly Scattering Medium. ACS Photonics, 2020, 7, 68-79.	3.2	14
14	Wide-field time-gated SPAD imager for phasor-based FLIM applications. Methods and Applications in Fluorescence, 2020, 8, 024002.	1.1	50
15	Development of Lipid-Coated Semiconductor Nanosensors for Recording of Membrane Potential in Neurons. ACS Photonics, 2020, 7, 1141-1152.	3.2	11
16	Cusp-artifacts in high order superresolution optical fluctuation imaging. Biomedical Optics Express, 2020, 11, 554.	1.5	15
17	Improved Surface Functionalization and Characterization of Membrane-Targeted Semiconductor Voltage Nanosensors. Journal of Physical Chemistry Letters, 2019, 10, 3906-3913.	2.1	12
18	Interfacing the Cell with â€œBiomimetic Membrane Proteinsâ€• Small, 2019, 15, e1903006.	5.2	7

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19	The effect of macromolecular crowding on single-round transcription byEscherichia coliRNA polymerase. Nucleic Acids Research, 2019, 47, 1440-1450.	6.5	26
20	A 512 Ã— 512 SPAD Image Sensor With Integrated Gating for Widefield FLIM. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-12.	1.9	109
21	Ratiometric widefield imaging with spectrally balanced detection. Biomedical Optics Express, 2019, 10, 5385.	1.5	0
22	Toward dynamic structural biology: Two decades of single-molecule FÃ¶rster resonance energy transfer. Science, 2018, 359, .	6.0	414
23	48-spot single-molecule FRET setup with periodic acceptor excitation. Journal of Chemical Physics, 2018, 148, 123304.	1.2	12
24	Membrane insertion ofâ€"and membrane potential sensing byâ€"semiconductor voltage nanosensors: Feasibility demonstration. Science Advances, 2018, 4, e1601453.	4.7	33
25	Characterizing highly dynamic conformational states: The transcription bubble in RNAP-promoter open complex as an example. Journal of Chemical Physics, 2018, 148, 123315.	1.2	29
26	Monte Carlo Diffusion-Enhanced Photon Inference: Distance Distributions and Conformational Dynamics in Single-Molecule FRET. Journal of Physical Chemistry B, 2018, 122, 11598-11615.	1.2	17
27	Characterizing the Quantum-Confined Stark Effect in Semiconductor Quantum Dots and Nanorods for Single-Molecule Electrophysiology. ACS Photonics, 2018, 5, 4788-4800.	3.2	30
28	Sequential activation of human signal recognition particle by the ribosome and signal sequence drives efficient protein targeting. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5487-E5496.	3.3	21
29	Rapid Voltage Sensing with Single Nanorods via the Quantum Confined Stark Effect. ACS Photonics, 2018, 5, 2860-2867.	3.2	22
30	Design Rules for Membrane-Embedded Voltage-Sensing Nanoparticles. Biophysical Journal, 2017, 112, 703-713.	0.2	28
31	Studying transcription initiation by RNA polymerase with diffusionâ€based singleâ€molecule fluorescence. Protein Science, 2017, 26, 1278-1290.	3.1	13
32	Different types of pausing modes during transcription initiation. Transcription, 2017, 8, 242-253.	1.7	16
33	Multispot single-molecule FRET: High-throughput analysis of freely diffusing molecules. PLoS ONE, 2017, 12, e0175766.	1.1	27
34	A Quantitative Theoretical Framework For Protein-Induced Fluorescence Enhancementâ€"FÃ¶rster-Type Resonance Energy Transfer (PIFE-FRET). Journal of Physical Chemistry B, 2016, 120, 6401-6410.	1.2	60
35	Photon-HDF5: An Open File Format for Timestamp-Based Single-Molecule Fluorescence Experiments. Biophysical Journal, 2016, 110, 26-33.	0.2	45
36	Characterization of Porous Materials by Fluorescence Correlation Spectroscopy Super-resolution Optical Fluctuation Imaging. ACS Nano, 2015, 9, 9158-9166.	7.3	80

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37	Cobalt(III) Protoporphyrin Activates the DGCR8 Protein and Can Compensate microRNA Processing Deficiency. Chemistry and Biology, 2015, 22, 793-802.	6.2	11
38	Processing of microRNA primary transcripts requires heme in mammalian cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1861-1866.	3.3	69
39	Toward Single-Molecule Optical Mapping of the Epigenome. ACS Nano, 2014, 8, 14-26.	7.3	42
40	The Transcription Bubble of the RNA Polymeraseâ€“Promoter Open Complex Exhibits Conformational Heterogeneity and Millisecond-Scale Dynamics: Implications for Transcription Start-Site Selection. Journal of Molecular Biology, 2013, 425, 875-885.	2.0	77
41	Labeling Cytosolic Targets in Live Cells with Blinking Probes. Journal of Physical Chemistry Letters, 2013, 4, 2138-2146.	2.1	24
42	Single molecule quantum-confined Stark effect measurements of semiconductor nanoparticles at room temperature. , 2013, , .		1
43	A Bis(phosphine)-Modified Peptide Ligand for Stable and Luminescent Quantum Dots in Aqueous Media. Synthesis, 2013, 45, 2426-2430.	1.2	5
44	Development of new photon-counting detectors for single-molecule fluorescence microscopy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120035.	1.8	100
45	Advances in superresolution optical fluctuation imaging (SOFI). Quarterly Reviews of Biophysics, 2013, 46, 210-221.	2.4	49
46	Phasor imaging with a widefield photon-counting detector. Journal of Biomedical Optics, 2012, 17, 016008.	1.4	38
47	Four-Color Alternating-Laser Excitation Single-Molecule Fluorescence Spectroscopy for Next-Generation Biodetection Assays. Clinical Chemistry, 2012, 58, 707-716.	1.5	26
48	Single Molecule Quantum-Confined Stark Effect Measurements of Semiconductor Nanoparticles at Room Temperature. ACS Nano, 2012, 6, 10013-10023.	7.3	111
49	Spatiotemporal manipulation of retinoic acid activity in zebrafish hindbrain development via photo-isomerization. Development (Cambridge), 2012, 139, 3355-3362.	1.2	12
50	Nanoblade Delivery and Incorporation of Quantum Dot Conjugates into Tubulin Networks in Live Cells. Nano Letters, 2012, 12, 5669-5672.	4.5	39
51	Stable, Compact, Bright Biofunctional Quantum Dots with Improved Peptide Coating. Journal of Physical Chemistry B, 2012, 116, 11370-11378.	1.2	30
52	Slow Unfolded-State Structuring in Acyl-CoA Binding Protein Folding Revealed by Simulation and Experiment. Journal of the American Chemical Society, 2012, 134, 12565-12577.	6.6	132
53	Opening and Closing of the Bacterial RNA Polymerase Clamp. Science, 2012, 337, 591-595.	6.0	210
54	Enzymatically Incorporated Genomic Tags for Optical Mapping of DNAâ€Binding Proteins. Angewandte Chemie - International Edition, 2012, 51, 3578-3581.	7.2	40

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55	High-throughput single-molecule optofluidic analysis. Nature Methods, 2011, 8, 242-245.	9.0	95
56	Aromatic Aldehyde and Hydrazine Activated Peptide Coated Quantum Dots for Easy Bioconjugation and Live Cell Imaging. Bioconjugate Chemistry, 2011, 22, 1006-1011.	1.8	36
57	Ultra high-throughput single molecule spectroscopy with a 1024 pixel SPAD. Proceedings of SPIE, 2011, 7905, .	0.8	27
58	Superresolution Optical Fluctuation Imaging with Organic Dyes. Angewandte Chemie - International Edition, 2010, 49, 9441-9443.	7.2	88
59	High-throughput FCS using an LCOS spatial light modulator and an 8 Ã— 1 SPAD array. Biomedical Optics Express, 2010, 1, 1408.	1.5	74
60	Achieving increased resolution and more pixels with Superresolution Optical Fluctuation Imaging (SOFI). Optics Express, 2010, 18, 18875.	1.7	187
61	Tracking Single Proteins in Live Cells Using Single-Chain Antibody Fragment-Fluorescent Quantum Dot Affinity Pair. Methods in Enzymology, 2010, 475, 61-79.	0.4	4
62	Phasor-based single-molecule fluorescence lifetime imaging using a wide-field photon-counting detector. , 2009, 7185, .		15
63	Adsorbate-induced absorption redshift in an organic-inorganic cluster conjugate: Electronic effects of surfactants and organic adsorbates on the lowest excited states of a methanethiol-CdSe conjugate. Journal of Chemical Physics, 2009, 131, 174705.	1.2	24
64	Fast, background-free, 3D super-resolution optical fluctuation imaging (SOFI). Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 22287-22292.	3.3	942
65	Quantum Dots for In Vivo Small-Animal Imaging. Journal of Nuclear Medicine, 2009, 50, 493-496.	2.8	167
66	Combining atomic force and fluorescence microscopy for analysis of quantumâ€dot labeled proteinâ€“DNA complexes. Journal of Molecular Recognition, 2009, 22, 397-402.	1.1	23
67	Particle Size, Surface Coating, and PEGylation Influence the Biodistribution of Quantum Dots in Living Mice. Small, 2009, 5, 126-134.	5.2	418
68	Dynamic Partitioning of a Glycosylâ€Phosphatidylinositolâ€Anchored Protein in Glycosphingolipidâ€Rich Microdomains Imaged by Singleâ€Quantum Dot Tracking. Traffic, 2009, 10, 691-712.	1.3	153
69	Lighting Up Individual DNA Binding Proteins with Quantum Dots. Nano Letters, 2009, 9, 1598-1603.	4.5	50
70	Suppression of Quantum Dot Blinking in DTT-Doped Polymer Films. Journal of Physical Chemistry C, 2009, 113, 11541-11545.	1.5	35
71	Nanometer Distance Measurements between Multicolor Quantum Dots. Nano Letters, 2009, 9, 2199-2205.	4.5	23
72	In vivo assembly and single-molecule characterization of the transcription machinery from Shewanella oneidensis MR-1. Protein Expression and Purification, 2009, 65, 66-76.	0.6	5

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73	Cys-diabody Quantum Dot Conjugates (ImmunoQdots) for Cancer Marker Detection. Bioconjugate Chemistry, 2009, 20, 1474-1481.	1.8	52
74	High Speed Multichannel Charge Sensitive Data Acquisition System With Self-Triggered Event Timing. IEEE Transactions on Nuclear Science, 2009, 56, 1148-1152.	1.2	13
75	Single-Quantum Dot Imaging with a Photon Counting Camera. Current Pharmaceutical Biotechnology, 2009, 10, 543-557.	0.9	36
76	Tracking bioâ€molecules in live cells using quantum dots. Journal of Biophotonics, 2008, 1, 287-298.	1.1	112
77	Efficient Site-Specific Labeling of Proteins via Cysteines. Bioconjugate Chemistry, 2008, 19, 786-791.	1.8	219
78	Nonequilibrium Single Molecule Protein Folding in a Coaxial Mixer. Biophysical Journal, 2008, 95, 352-365.	0.2	46
79	Measuring diffusion with polarization-modulation dual-focus fluorescence correlation spectroscopy. Optics Express, 2008, 16, 14609.	1.7	20
80	Hybrid photodetector for single-molecule spectroscopy and microscopy. Proceedings of SPIE, 2008, 6862, .	0.8	38
81	Single molecule protein folding kinetics in a co-axial microfluidic mixer. , 2008, , .		0
82	Ruggedness in the folding landscape of protein L. HFSP Journal, 2008, 2, 388-395.	2.5	25
83	High Affinity scFvâ”Hapten Pair as a Tool for Quantum Dot Labeling and Tracking of Single Proteins in Live Cells. Nano Letters, 2008, 8, 4618-4623.	4.5	34
84	Single-molecule FRET reveals sugar-induced conformational dynamics in LacY. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 12640-12645.	3.3	144
85	Detectors for single-molecule fluorescence imaging and spectroscopy. Journal of Modern Optics, 2007, 54, 239-281.	0.6	110
86	microPET-Based Biodistribution of Quantum Dots in Living Mice. Journal of Nuclear Medicine, 2007, 48, 1511-1518.	2.8	182
87	Singlet Oxygen Production by Peptide-Coated Quantum Dotâ”Photosensitizer Conjugates. Journal of the American Chemical Society, 2007, 129, 6865-6871.	6.6	281
88	Photobleaching Pathways in Single-Molecule FRET Experiments. Journal of the American Chemical Society, 2007, 129, 4643-4654.	6.6	90
89	Three-Color Alternating-Laser Excitation of Single Molecules: Monitoring Multiple Interactions and Distances. Biophysical Journal, 2007, 92, 303-312.	0.2	179
90	Solubilization of Quantum Dots with a Recombinant Peptide fromEscherichia coli. Small, 2007, 3, 793-798.	5.2	38

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91	Periodic acceptor excitation spectroscopy of single molecules. European Biophysics Journal, 2007, 36, 669-674.	1.2	21
92	Single-Molecule Fluorescence Studies of Protein Folding and Conformational Dynamics. Chemical Reviews, 2006, 106, 1785-1813.	23.0	488
93	Notice of Violation of IEEE Publication Principles: Peptide coated quantum dots for biological applications. IEEE Transactions on Nanobioscience, 2006, 5, 231-238.	2.2	16
94	Initial Transcription by RNA Polymerase Proceeds Through a DNA-Scrunching Mechanism. Science, 2006, 314, 1144-1147.	6.0	400
95	Rotational and Translational Diffusion of Peptide-Coated CdSe/CdS/ZnS Nanorods Studied by Fluorescence Correlation Spectroscopy. Journal of the American Chemical Society, 2006, 128, 1639-1647.	6.6	117
96	Direct Observation of Abortive Initiation and Promoter Escape within Single Immobilized Transcription Complexes. Biophysical Journal, 2006, 90, 1419-1431.	0.2	136
97	Shot-Noise Limited Single-Molecule FRET Histograms:Â Comparison between Theory and Experimentsâ€. Journal of Physical Chemistry B, 2006, 110, 22103-22124.	1.2	301
98	A space- and time-resolved single photon counting detector for fluorescence microscopy and spectroscopy. , 2006, 6092, .		15
99	Fluorescence lifetime microscopy with a time- and space-resolved single-photon counting detector. , 2006, 6372, .		9
100	Development of an ultrafast single photon counting imager for single molecule imaging. , 2006, 6092, 168.		5
101	Advances in fluorescence imaging with quantum dot bio-probes. Biomaterials, 2006, 27, 1679-1687.	5.7	411
102	Site-specific labeling of proteins for single-molecule FRET by combining chemical and enzymatic modification. Protein Science, 2006, 15, 640-646.	3.1	54
103	Single-Step Multicolor Fluorescence In Situ Hybridization Using Semiconductor Quantum Dot-DNA Conjugates. Cell Biochemistry and Biophysics, 2006, 45, 59-70.	0.9	54
104	Photon-counting H33D detector for biological fluorescence imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 567, 133-136.	0.7	39
105	Near-infrared peptide-coated quantum dots for small animal imaging. , 2006, 6096, 29.		1
106	Using photon statistics to boost microscopy resolution. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4797-4798.	3.3	44
107	Enhancing the photoluminescence of peptide-coated nanocrystals. , 2005, , .		0
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111	Quantum Dots for Live Cells, in Vivo Imaging, and Diagnostics. Science, 2005, 307, 538-544.	6.0	7,371
112	Probing structural heterogeneities and fluctuations of nucleic acids and denatured proteins. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 17348-17353.	3.3	219
113	Enhancing the Photoluminescence of Peptide-Coated Nanocrystals with Shell Composition and UV Irradiation. Journal of Physical Chemistry B, 2005, 109, 1669-1674.	1.2	57
114	Alternating-Laser Excitation of Single Molecules. Accounts of Chemical Research, 2005, 38, 523-533.	7.6	335
115	Retention of Transcription Initiation Factor Ïƒ70 in Transcription Elongation: Single-Molecule Analysis. Molecular Cell, 2005, 20, 347-356.	4.5	132
116	Accurate FRET Measurements within Single Diffusing Biomolecules Using Alternating-Laser Excitation. Biophysical Journal, 2005, 88, 2939-2953.	0.2	440
117	Comparison of Photophysical and Colloidal Properties of Biocompatible Semiconductor Nanocrystals Using Fluorescence Correlation Spectroscopy. Analytical Chemistry, 2005, 77, 2235-2242.	3.2	115
118	Fluorescence-aided molecule sorting: Analysis of structure and interactions by alternating-laser excitation of single molecules. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8936-8941.	3.3	597
119	Hybrid Approach to the Synthesis of Highly Luminescent CdTe/ZnS and CdHgTe/ZnS Nanocrystals. Journal of the American Chemical Society, 2004, 126, 1926-1927.	6.6	154
120	Photon Arrival-Time Interval Distribution (PAID):Â A Novel Tool for Analyzing Molecular Interactions. Journal of Physical Chemistry B, 2004, 108, 3051-3067.	1.2	65
121	Femtomole Mixer for Microsecond Kinetic Studies of Protein Folding. Analytical Chemistry, 2004, 76, 7169-7178.	3.2	138
122	Enhanced Absorption Induced by a Metallic Nanoshell. Nano Letters, 2004, 4, 85-88.	4.5	78
123	Bioactivation and Cell Targeting of Semiconductor CdSe/ZnS Nanocrystals with Phytochelatin-Related Peptides. Journal of the American Chemical Society, 2004, 126, 6115-6123.	6.6	564
124	The Power and Prospects of Fluorescence Microscopies and Spectroscopies. Annual Review of Biophysics and Biomolecular Structure, 2003, 32, 161-182.	18.3	198
125	A Rugged Energy Landscape Mechanism for Trapping of Transmembrane Receptors during Endocytosisâ€. Biochemistry, 2003, 42, 2916-2925.	1.2	24
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128	Single-molecule spectroscopy and microscopy. Comptes Rendus Physique, 2002, 3, 619-644.	0.3	61
129	Synthesis and Properties of Biocompatible Water-Soluble Silica-Coated CdSe/ZnS Semiconductor Quantum Dots. Journal of Physical Chemistry B, 2001, 105, 8861-8871.	1.2	1,221
130	RATIOMETRICSINGLE-MOLECULESTUDIES OFFREELYDIFFUSINGBIOMOLECULES. Annual Review of Physical Chemistry, 2001, 52, 233-253.	4.8	195
131	Time-gated biological imaging by use of colloidal quantum dots. Optics Letters, 2001, 26, 825.	1.7	332
132	Ultrahigh-Resolution Colocalization of Spectrally Separable Point-like Fluorescent Probes. Methods, 2001, 25, 87-102.	1.9	63
133	Properties of Fluorescent Semiconductor Nanocrystals and their Application to Biological Labeling. Single Molecules, 2001, 2, 261-276.	1.7	365
134	Measuring conformational dynamics of biomolecules by single molecule fluorescence spectroscopy. , 2000, 7, 724-729.		641
135	Shattering the diffraction limit of light: A revolution in fluorescence microscopy?. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 8747-8749.	3.3	45
136	Ultrahigh-resolution multicolor colocalization of single fluorescent probes. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 9461-9466.	3.3	304
137	Single-molecule protein folding: Diffusion fluorescence resonance energy transfer studies of the denaturation of chymotrypsin inhibitor 2. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 5179-5184.	3.3	440
138	Single-molecule fluorescence spectroscopy of enzyme conformational dynamics and cleavage mechanism. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 893-898.	3.3	511
139	Ratiometric measurement and identification of single diffusing molecules. Chemical Physics, 1999, 247, 85-106.	0.9	155
140	Temporal fluctuations of fluorescence resonance energy transfer between two dyes conjugated to a single protein. Chemical Physics, 1999, 247, 107-118.	0.9	97
141	Polarization Spectroscopy of Single Fluorescent Molecules. Journal of Physical Chemistry B, 1999, 103, 6839-6850.	1.2	251
142	Evidence for a thermal contribution to emission intermittency in single CdSe/CdS core/shell nanocrystals. Journal of Chemical Physics, 1999, 110, 1195-1201.	1.2	214
143	Single-pair fluorescence resonance energy transfer on freely diffusing molecules: Observation of Forster distance dependence and subpopulations. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 3670-3675.	3.3	525
144	Fluorescence Spectroscopy of Single Biomolecules. Science, 1999, 283, 1676-1683.	6.0	1,926

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146	Semiconductor Nanocrystals as Fluorescent Biological Labels. , 1998, 281, 2013-2016.		7,948
147	Hindered Rotational Diffusion and Rotational Jumps of Single Molecules. Physical Review Letters, 1998, 80, 2093-2096.	2.9	179
148	Single molecule spectroscopy with automated positioning. Applied Physics Letters, 1997, 70, 782-784.	1.5	32
149	Membrane specific mapping and colocalization of malarial and host skeletal proteins in the Plasmodium falciparum infected erythrocyte by dual-color near-field scanning optical microscopy. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 520-525.	3.3	133
150	Quantum jumps of single molecules at room temperature. Chemical Physics Letters, 1997, 271, 1-5.	1.2	160
151	Dual-molecule spectroscopy: molecular rulers for the study of biological macromolecules. IEEE Journal of Selected Topics in Quantum Electronics, 1996, 2, 1115-1128.	1.9	39
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153	Advances in ultrafast scanning tunneling microscopy. Applied Physics Letters, 1996, 69, 1321-1323.	1.5	49
154	Single Molecule Dynamics Studied by Polarization Modulation. Physical Review Letters, 1996, 77, 3979-3982.	2.9	333
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156	Design consideration in an ultrafast scanning tunneling microscope. Review of Scientific Instruments, 1995, 66, 4130-4134.	0.6	14
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159	Ultrafast phase dynamics of coherent emission from excitons in GaAs quantum wells. Physical Review B, 1994, 50, 8439-8453.	1.1	78
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165	Collective effects in excitonic free induction decay: Do semiconductors and atoms emit coherent light in different ways?. Physical Review Letters, 1992, 69, 2685-2688.	2.9	170
166	Ultrafast gain dynamics in 1.5 Î¼m multiple quantum well optical amplifiers. Applied Physics Letters, 1991, 58, 158-160.	1.5	74
167	Photorefractive saturable absorptive and dispersive optical bistability. Optics Communications, 1989, 70, 515-521.	1.0	15
168	Analysis of coupled photorefractive wave mixing junctions. Optics Letters, 1989, 14, 186.	1.7	17
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171	Solvable optimized fourâ€wave mixing configuration with cubic photorefractive crystals. Applied Physics Letters, 1988, 53, 257-259.	1.5	15
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175	Tunable frequency shift of photorefractive oscillators. Optics Letters, 1986, 11, 165.	1.7	22
176	Beam coupling and locking of lasers using photorefractive four-wave mixing. Optics Letters, 1986, 11, 528.	1.7	115
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