Dan Oron

List of Publications by Year
in descending order

200	9,711	31976	43889
papers	citations	53	91
		h-index	g-index

204	204	204	10898
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impulsive SRS microscopy. , 2022, , 99-113.		1
2	Halide chemical vapor deposition of 2D semiconducting atomically-thin crystals: From self-seeded to epitaxial growth. Applied Materials Today, 2022, 26, 101379.	4.3	5
3	Super-resolved second harmonic generation imaging by coherent image scanning microscopy. Applied Physics Letters, 2022, 120, .	3.3	3
4	Directing the Morphology, Packing, and Properties of Chiral Metalâ€“Organic Frameworks by Cation Exchange**. Angewandte Chemie - International Edition, 2022, 61, .	13.8	8
5	Effect of Surface Ligands in Perovskite Nanocrystals: Extending in and Reaching out. Accounts of Chemical Research, 2021, 54, 1409-1418.	15.6	72
6	Observing Multiexciton Correlations in Colloidal Semiconductor Quantum Dots via Multiple-Quantum Two-Dimensional Fluorescence Spectroscopy. ACS Nano, 2021, 15, 4647-4657.	14.6	29
7	cSPARCOM: Multi-detector reconstruction by confocal super-resolution correlation microscopy. Optics Express, 2021, 29, 12772.	3.4	4
8	Polarity-dependent nonlinear optics of nanowires under electric field. Nature Communications, 2021, 12, 3286.	12.8	11
9	Measuring the optical properties of nanoscale biogenic spherulites. Optics Express, 2021, 29, 20863.	3.4	5
10	Bright Near-Infrared to Visible Upconversion Double Quantum Dots Based on a Type-II/Type-I Heterostructure. ACS Photonics, 2021, 8, 1909-1916.	6.6	12
11	Heralded Spectroscopy Reveals Excitonâ€“Exciton Correlations in Single Colloidal Quantum Dots. Nano Letters, 2021, 21, 6756-6763.	9.1	19
12	Low frequency coherent Raman spectroscopy. JPhys Photonics, 2021, 3, 042004.	4.6	7
13	Remanent Polarization and Strong Photoluminescence Modulation by an External Electric Field in Epitaxial CsPbBr₃ Nanowires. ACS Nano, 2021, 15, 16130-16138.	14.6	5
14	Growth-Etch Metalâ€“Organic Chemical Vapor Deposition Approach of WS₂ Atomic Layers. ACS Nano, 2021, 15, 526-538.	14.6	56
15	Resolving the Controversy in Biexciton Binding Energy of Cesium Lead Halide Perovskite Nanocrystals through Heralded Single-Particle Spectroscopy. ACS Nano, 2021, 15, 19581-19587.	14.6	26
16	SPAD array technology enables fluctuation-contrast super-resolution in a confocal microscope. , 2021, , .		0
17	A highly reflective biogenic photonic material from coreâ€“shell birefringent nanoparticles. Nature Nanotechnology, 2020, 15, 138-144.	31.5	26
18	Evidence for laser-induced homogeneous oriented ice nucleation revealed via pulsed x-ray diffraction. Journal of Chemical Physics, 2020, 153, 024504.	3.0	3

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19	Temperature Dependence of Excitonic and Biexcitonic Decay Rates in Colloidal Nanoplatelets by Time-Gated Photon Correlation. Journal of Physical Chemistry Letters, 2020, 11, 6513-6518.	4.6	20
20	Integrated Experimental and Theoretical Approach for Efficient Design and Synthesis of Gold-Based Double Halide Perovskites. Journal of Physical Chemistry C, 2020, 124, 26769-26779.	3.1	10
21	Low Frequency Collinear Pre-Resonant Impulsive Stimulated Raman Microspectroscopy. ACS Photonics, 2020, 7, 3481-3488.	6.6	4
22	Chiral and SHG-Active Metalâ€“Organic Frameworks Formed in Solution and on Surfaces: Uniformity, Morphology Control, Oriented Growth, and Postassembly Functionalization. Journal of the American Chemical Society, 2020, 142, 14210-14221.	13.7	34
23	Fluorescence and Optical Activity of Chiral CdTe Quantum Dots in Their Interaction with Amino Acids. ACS Nano, 2020, 14, 4196-4205.	14.6	53
24	Development of Lipid-Coated Semiconductor Nanosensors for Recording of Membrane Potential in Neurons. ACS Photonics, 2020, 7, 1141-1152.	6.6	11
25	CdSe/CdS/CdTe Core/Barrier/Crown Nanoplatelets: Synthesis, Optoelectronic Properties, and Multiphoton Fluorescence Upconversion. ACS Nano, 2020, 14, 4206-4215.	14.6	36
26	SOFISM: Super-resolution optical fluctuation image scanning microscopy. Optica, 2020, 7, 1308.	9.3	35
27	Natural Photonic Structures from Birefringent Core-Shell Nanoparticles. Optics and Photonics News, 2020, 31, 51.	0.5	0
28	Practical aspects of super-resolution optical fluctuation image scanning microscopy (SOFISM). , 2020, , .		1
29	A humble leader. Nature Photonics, 2019, 13, 581-582.	31.4	0
30	Higher-Order Photon Correlation as a Tool To Study Exciton Dynamics in Quasi-2D Nanoplatelets. Nano Letters, 2019, 19, 8741-8748.	9.1	17
31	A Nanoscopic View of Photoinduced Charge Transfer in Organic Nanocrystalline Heterojunctions. Journal of Physical Chemistry C, 2019, 123, 25031-25041.	3.1	2
32	PbS quantum dots as additives in methylammonium halide perovskite solar cells: the effect of quantum dot capping. Nanoscale Advances, 2019, 1, 4109-4118.	4.6	32
33	Colloidal Mercury-Doped CdSe Nanoplatelets with Dual Fluorescence. Chemistry of Materials, 2019, 31, 5065-5074.	6.7	29
34	An Excellent Modifier: Carbon Quantum Dots for Highly Efficient Carbonâ€Electrodeâ€Based Methylammonium Lead Iodide Solar Cells. Solar Rrl, 2019, 3, 1900146.	5.8	27
35	NIR-to-visible upconversion in quantum dots via a ligand induced charge transfer state. RSC Advances, 2019, 9, 12153-12161.	3.6	8
36	In situ growth of Î±-CsPbI3 perovskite nanocrystals on the surface of reduced graphene oxide with enhanced stability and carrier transport quality. Journal of Materials Chemistry C, 2019, 7, 6795-6804.	5.5	31

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37	Band Gap Engineering Improves the Efficiency of Double Quantum Dot Upconversion Nanocrystals. Advanced Functional Materials, 2019, 29, 1900755.	14.9	13
38	Excitation and Emission Transition Dipoles of Type-II Semiconductor Nanorods. Nano Letters, 2019, 19, 1695-1700.	9.1	10
39	Band alignment and charge transfer in CsPbBr3â€“CdSe nanoplatelet hybrids coupled by molecular linkers. Journal of Chemical Physics, 2019, 151, 174704.	3.0	18
40	Super-resolution enhancement by quantum image scanning microscopy. Nature Photonics, 2019, 13, 116-122.	31.4	157
41	Light focusing through scattering media via linear fluorescence variance maximization, and its application for fluorescence imaging. Optics Express, 2019, 27, 21778.	3.4	25
42	Quantum correlation measurement with single photon avalanche diode arrays. Optics Express, 2019, 27, 32863.	3.4	42
43	High-speed low-frequency chirped coherent anti-Stokes Raman scattering microscopy using an ultra-steep long-pass filter. Optics Express, 2019, 27, 35993.	3.4	4
44	Simplified approach to low-frequency coherent anti-Stokes Raman spectroscopy using a sharp spectral edge filter. Optics Letters, 2019, 44, 3637.	3.3	3
45	Sub-second hyper-spectral low-frequency vibrational imaging via impulsive Raman excitation. Optics Letters, 2019, 44, 5153.	3.3	13
46	Optical properties of spherulite opals. Optics Letters, 2019, 44, 5860.	3.3	9
47	Terahertz coherent anti-Stokes Raman scattering microscopy. Optica, 2019, 6, 52.	9.3	24
48	Rapid quantum image scanning microscopy by joint sparse reconstruction. Optica, 2019, 6, 1290.	9.3	19
49	Super-resolution optical fluctuation image scanning microscopy (SOFISM). , 2019, , .		2
50	Quantum image scanning microscopy: concept and considerations towards applicability. , 2019, , .		0
51	Ratiometric widefield imaging with spectrally balanced detection. Biomedical Optics Express, 2019, 10, 5385.	2.9	0
52	Optically functional isoxanthopterin crystals in the mirrored eyes of decapod crustaceans. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2299-2304.	7.1	39
53	Selfâ€Healing Inside APbBr₃ Halide Perovskite Crystals. Advanced Materials, 2018, 30, 1706273.	21.0	149
54	Mineral Deposits in Ficus Leaves: Morphologies and Locations in Relation to Function. Plant Physiology, 2018, 176, 1751-1763.	4.8	34

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55	A Mechanistic Study of Phase Transformation in Perovskite Nanocrystals Driven by Ligand Passivation. Chemistry of Materials, 2018, 30, 84-93.	6.7	154
56	Characterizing the Quantum-Confined Stark Effect in Semiconductor Quantum Dots and Nanorods for Single-Molecule Electrophysiology. ACS Photonics, 2018, 5, 4788-4800.	6.6	30
57	Single-shot noninterferometric measurement of the phase transmission matrix in multicore fibers. Optics Letters, 2018, 43, 4493.	3.3	7
58	Chiral 2D Colloidal Semiconductor Quantum Wells. Advanced Functional Materials, 2018, 28, 1802012.	14.9	32
59	Rapid Voltage Sensing with Single Nanorods via the Quantum Confined Stark Effect. ACS Photonics, 2018, 5, 2860-2867.	6.6	22
60	Strong lightâ€“matter interaction in tungsten disulfide nanotubes. Physical Chemistry Chemical Physics, 2018, 20, 20812-20820.	2.8	44
61	The Dual Functional Reflecting Iris of the Zebrafish. Advanced Science, 2018, 5, 1800338.	11.2	28
62	Hybrid PbS Quantumâ€Dotâ€inâ€Perovskite for Highâ€Efficiency Perovskite Solar Cell. Small, 2018, 14, e180101610.0		111
63	Spectrally narrow features in a supercontinuum generated by shaped pulse trains. Optics Express, 2018, 26, 5694.	3.4	4
64	Temperature Rise under Two-Photon Optogenetic Brain Stimulation. Cell Reports, 2018, 24, 1243-1253.e5.	6.4	77
65	Vibrational spectroscopy via stimulated Raman induced Kerr lensing. APL Photonics, 2018, 3, .	5.7	12
66	Impulsive Raman spectroscopy via precision measurement of frequency shift with low energy excitation. Optics Letters, 2018, 43, 470.	3.3	16
67	Mode conversion via wavefront shaping. Optics Express, 2018, 26, 22208.	3.4	5
68	The Organic Crystalline Materials of Vision: Structureâ€“Function Considerations from the Nanometer to the Millimeter Scale. Advanced Materials, 2018, 30, e1800006.	21.0	38
69	Nucleation, Growth, and Structural Transformations of Perovskite Nanocrystals. Chemistry of Materials, 2017, 29, 1302-1308.	6.7	188
70	Crystallographic Mapping of Guided Nanowires by Second Harmonic Generation Polarimetry. Nano Letters, 2017, 17, 842-850.	9.1	21
71	Vertically aligned ZnO/ZnTe core/shell heterostructures on an AZO substrate for improved photovoltaic performance. RSC Advances, 2017, 7, 14837-14845.	3.6	10
72	Strain-Induced Type II Band Alignment Control in CdSe Nanoplatelet/ZnS-Sensitized Solar Cells. Journal of Physical Chemistry C, 2017, 121, 11136-11143.	3.1	28

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73	Tetragonal CH ₃ NH ₃ PbI ₃ is ferroelectric. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5504-E5512.	7.1	240
74	Quantum correlation enhanced super-resolution localization microscopy enabled by a fibre bundle camera. Nature Communications, 2017, 8, 14786.	12.8	62
75	On the 2D Phase Retrieval Problem. IEEE Transactions on Signal Processing, 2017, 65, 1058-1067.	5.3	13
76	Enhancing the Performance of Perovskite Solar Cells by Hybridizing SnS Quantum Dots with CH₃NH₃PbI₃. Small, 2017, 13, 1700953.	10.0	73
77	Plants and Light Manipulation: The Integrated Mineral System in Okra Leaves. Advanced Science, 2017, 4, 1600416.	11.2	33
78	The image-forming mirror in the eye of the scallop. Science, 2017, 358, 1172-1175.	12.6	90
79	Phase retrieval in multicore fiber bundles. Optics Letters, 2017, 42, 647.	3.3	7
80	Grazing-incidence optical magnetic recording with super-resolution. Beilstein Journal of Nanotechnology, 2017, 8, 28-37.	2.8	4
81	Single-photon fiber bundle cameras (SFICAMs) for quantum enhanced superresolution microscopy. , 2017, , .		0
82	Probing the Interaction of Quantum Dots with Chiral Capping Molecules Using Circular Dichroism Spectroscopy. Nano Letters, 2016, 16, 7467-7473.	9.1	129
83	Colloidal Double Quantum Dots. Accounts of Chemical Research, 2016, 49, 902-910.	15.6	39
84	From dilute isovalent substitution to alloying in CdSeTe nanoplatelets. Physical Chemistry Chemical Physics, 2016, 18, 15295-15303.	2.8	33
85	Facile in situ synthesis of dendrite-like ZnO/ZnTe core/shell nanorod heterostructures for sensitized solar cells. Journal of Materials Chemistry C, 2016, 4, 4740-4747.	5.5	24
86	Revisiting the Anion Framework Conservation in Cation Exchange Processes. Chemistry of Materials, 2016, 28, 7872-7877.	6.7	15
87	Widefield lensless imaging through a fiber bundle via speckle correlations. Optics Express, 2016, 24, 16835.	3.4	99
88	Extended field-of-view in a lensless endoscope using an aperiodic multicore fiber. Optics Letters, 2016, 41, 3531.	3.3	35
89	Charge Transfer Dynamics in CdS and CdSe@CdS Based Hybrid Nanorods Tipped with Both PbS and Pt. Journal of Physical Chemistry C, 2016, 120, 15453-15459.	3.1	13
90	Direct single-shot phase retrieval from the diffraction pattern of separated objects. Nature Communications, 2016, 7, 10820.	12.8	31

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91	Lightâ€induced Color Change in the Sapphirinid Copepods: Tunable Photonic Crystals. Advanced Functional Materials, 2016, 26, 1393-1399.	14.9	48
92	Inhibition of charge transfer and recombination processes in CdS/N719 co-sensitized solar cell with high conversion efficiency. Electrochimica Acta, 2016, 191, 16-22.	5.2	17
93	Improved charge separation and transport efficiency in panchromatic-sensitized solar cells with co-sensitization of PbS/CdS/ZnS quantum dots and dye molecules. RSC Advances, 2016, 6, 21156-21164.	3.6	17
94	Broadband Near-Infrared to Visible Upconversion in Quantum Dotâ€“Quantum Well Heterostructures. ACS Nano, 2016, 10, 446-452.	14.6	54
95	The Mechanism of Color Change in the Neon Tetra Fish: a Lightâ€induced Tunable Photonic Crystal Array. Angewandte Chemie, 2015, 127, 12603-12607.	2.0	16
96	The Mechanism of Color Change in the Neon Tetra Fish: a Lightâ€induced Tunable Photonic Crystal Array. Angewandte Chemie - International Edition, 2015, 54, 12426-12430.	13.8	152
97	Long-Lived Population Inversion in Isovalently Doped Quantum Dots. ACS Nano, 2015, 9, 817-824.	14.6	7
98	Temporal Focusing Microscopy. Cold Spring Harbor Protocols, 2015, 2015, pdb.top085928.	0.3	8
99	Structural Basis for the Brilliant Colors of the Sapphirinid Copepods. Journal of the American Chemical Society, 2015, 137, 8408-8411.	13.7	89
100	Enhanced Third-Harmonic Generation from a Metal/Semiconductor Core/Shell Hybrid Nanostructure. ACS Nano, 2015, 9, 8064-8069.	14.6	27
101	Self-Assembled Organic Nanocrystals with Strong Nonlinear Optical Response. Nano Letters, 2015, 15, 7232-7237.	9.1	59
102	Direct phase retrieval in double blind Fourier holography. Optics Express, 2014, 22, 24935.	3.4	18
103	The Structural Basis for Enhanced Silver Reflectance in Koi Fish Scale and Skin. Journal of the American Chemical Society, 2014, 136, 17236-17242.	13.7	61
104	Quantum dots: using the known as well as exploring the unknown. Proceedings of SPIE, 2014, , .	0.8	0
105	Exciton Quenching Due to Copper Diffusion Limits the Photocatalytic Activity of CdS/Cu₂S Nanorod Heterostructures. Journal of Physical Chemistry Letters, 2014, 5, 590-596.	4.6	45
106	Understanding and Promoting Molecular Interactions and Charge Transfer in Dye-Mediated Hybrid Photovoltaic Materials. Journal of Physical Chemistry C, 2014, 118, 25374-25391.	3.1	5
107	Controlling morphology and charge transfer in ZnO/polythiophene photovoltaic films. Journal of Materials Chemistry C, 2014, 2, 4167-4176.	5.5	10
108	Photophysics of Voltage Increase by Photoinduced Dipole Layers in Sensitized Solar Cells. Journal of Physical Chemistry Letters, 2014, 5, 2717-2722.	4.6	12

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109	Dependence of the Absorption and Optical Surface Plasmon Scattering of MoS₂ Nanoparticles on Aspect Ratio, Size, and Media. ACS Nano, 2014, 8, 3575-3583.	14.6	63
110	Synergistic recombination suppression by an inorganic layer and organic dye molecules in highly photostable quantum dot sensitized solar cells. Physical Chemistry Chemical Physics, 2014, 16, 6250.	2.8	15
111	Luminescence upconversion in colloidal double quantum dots. Nature Nanotechnology, 2013, 8, 649-653.	31.5	126
112	Photo-Induced Dipoles: A New Method to Convert Photons into Photovoltage in Quantum Dot Sensitized Solar Cells. Nano Letters, 2013, 13, 4456-4461.	9.1	29
113	Superresolution Microscopy with Quantum Emitters. Nano Letters, 2013, 13, 5832-5836.	9.1	120
114	Functional patterned multiphoton excitation deep inside scattering tissue. Nature Photonics, 2013, 7, 274-278.	31.4	103
115	Type-II Quantum-Dot-Sensitized Solar Cell Spanning the Visible and Near-Infrared Spectrum. Journal of Physical Chemistry C, 2013, 117, 22203-22210.	3.1	58
116	Spectral Analog of the Gouy Phase Shift. Physical Review Letters, 2013, 110, 143902.	7.8	22
117	Studying Quantum Dot Blinking through the Addition of an Engineered Inorganic Hole Trap. ACS Nano, 2013, 7, 5084-5090.	14.6	35
118	Efficient electron injection in non-toxic silver sulfide (Ag2S) sensitized solar cells. Journal of Power Sources, 2013, 240, 8-13.	7.8	58
119	Single molecule quantum-confined Stark effect measurements of semiconductor nanoparticles at room temperature. , 2013, , .		1
120	Two-photon excitation in scattering media by spatiotemporally shaped beams and their application in optogenetic stimulation. Biomedical Optics Express, 2013, 4, 2869.	2.9	77
121	Experimental observation of the spectral Gouy phase shift. , 2013, , .		0
122	Large Pore Size and High Porosity of TiO₂ Photoanode for Excellent Photovoltaic Performance of CdS Quantum Dot Sensitized Solar Cell. Journal of Nanoscience and Nanotechnology, 2013, 13, 1095-1100.	0.9	9
123	Excitation Enhancement of a Quantum Dot Coupled to a Plasmonic Antenna. Advanced Materials, 2012, 24, OP314-20.	21.0	72
124	Single Molecule Quantum-Confined Stark Effect Measurements of Semiconductor Nanoparticles at Room Temperature. ACS Nano, 2012, 6, 10013-10023.	14.6	111
125	A Present Understanding of Colloidal Quantum Dot Blinking. Israel Journal of Chemistry, 2012, 52, 992-1001.	2.3	28
126	Semiconductor quantum dotâ€“inorganic nanotube hybrids. Physical Chemistry Chemical Physics, 2012, 14, 4271.	2.8	9

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127	How Quickly Does a Hole Relax into an Engineered Defect State in CdSe Quantum Dots. ACS Nano, 2012, 6, 3063-3069.	14.6	14
128	Determination of the Electronic Energetics of CdTe Nanoparticle Assemblies on Au Electrodes by Photoemission, Electrochemical, and Photocurrent Studies. Journal of Physical Chemistry C, 2012, 116, 17464-17472.	3.1	27
129	Colloidal Quantum Dots as Saturable Fluorophores. ACS Nano, 2012, 6, 8778-8782.	14.6	22
130	Two-photon optogenetics. Progress in Brain Research, 2012, 196, 119-143.	1.4	84
131	Experimental control over soliton interaction in optical fiber by pre-shaped input field. , 2012, , .		0
132	Two-Color Antibunching from Band-Gap Engineered Colloidal Semiconductor Nanocrystals. Nano Letters, 2012, 12, 2948-2952.	9.1	46
133	Study of Quantum Dot/Inorganic Layer/Dye Molecule Sandwich Structure for Electrochemical Solar Cells. Journal of Physical Chemistry C, 2012, 116, 15185-15191.	3.1	18
134	Certain Biominerals in Leaves Function as Light Scatterers. Advanced Materials, 2012, 24, OP77-83.	21.0	74
135	How Isolated Are the Electronic States of the Core in Core/Shell Nanoparticles?. ACS Nano, 2011, 5, 863-869.	14.6	16
136	Energetics of CdSe Quantum Dots Adsorbed on TiO₂. Journal of Physical Chemistry C, 2011, 115, 13236-13241.	3.1	32
137	Energetics and dynamics of excitonâ€“exciton interactions in compound colloidal semiconductor quantum dots. Physical Chemistry Chemical Physics, 2011, 13, 3210.	2.8	24
138	Nonlinear pulse shaping by coherent addition of multiple redshifted solitons. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 1716.	2.1	10
139	Shot noise limited characterization of ultraweak femtosecond pulse trains. Optics Express, 2011, 19, 679.	3.4	3
140	Nanoengineering the second order susceptibility in semiconductor quantum dot heterostructures. Optics Express, 2011, 19, 6657.	3.4	17
141	Transform-limited spectral compression by self-phase modulation of amplitude-shaped pulses with negative chirp. Optics Letters, 2011, 36, 707.	3.3	74
142	Quantum Dot Antennas for Photoelectrochemical Solar Cells. Journal of Physical Chemistry Letters, 2011, 2, 1917-1924.	4.6	52
143	The Second Order Nonlinear Susceptibility of Quantum Confined Semiconductorsâ€”A Single Dot Study. Journal of Physical Chemistry C, 2011, 115, 4558-4563.	3.1	24
144	Design Principles of FRETâ€Based Dyeâ€Sensitized Solar Cells with Buried Quantum Dot Donors. Advanced Energy Materials, 2011, 1, 626-633.	19.5	24

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145	Transient Fluorescence of the Off State in Blinking CdSe/CdS/ZnS Semiconductor Nanocrystals Is Not Governed by Auger Recombination. Physical Review Letters, 2010, 104, 157404.	7.8	154
146	Guanineâ€Based Biogenic Photonicâ€Crystal Arrays in Fish and Spiders. Advanced Functional Materials, 2010, 20, 320-329.	14.9	136
147	Colloidal Quantum Dots as Probes of Excitation Field Enhancement in Photonic Antennas. ACS Nano, 2010, 4, 4571-4578.	14.6	34
148	An Upper Bound to Carrier Multiplication Efficiency in Type II Colloidal Quantum Dots. Nano Letters, 2010, 10, 164-170.	9.1	76
149	Built-in Quantum Dot Antennas in Dye-Sensitized Solar Cells. ACS Nano, 2010, 4, 1293-1298.	14.6	191
150	Interactions of bound excitons in doped core/shell quantum dot heterostructures. Physical Review B, 2010, 82, .	3.2	10
151	Universal Role of Discrete Acoustic Phonons in the Low-Temperature Optical Emission of Colloidal Quantum Dots. Physical Review Letters, 2009, 102, 177402.	7.8	87
152	Second-harmonic generation from single core-shell CdTe(CdS) quantum dots. , 2009, , .		0
153	Background-Free Third Harmonic Imaging of Gold Nanorods. Nano Letters, 2009, 9, 4093-4097.	9.1	49
154	Multiphoton microscopy by multiexcitonic ladder climbing in colloidal quantum dots. Proceedings of SPIE, 2009, , .	0.8	0
155	Secondâ€Harmonic Generation from a Single Core/Shell Quantum Dot. Small, 2009, 5, 2835-2840.	10.0	89
156	Using variable pupil filters to optimize the resolution in multiphoton and saturable fluorescence confocal microscopy. Optics Letters, 2009, 34, 464.	3.3	11
157	Sub-diffraction limited imaging with fluorophores exhibiting emission depletion upon saturation. Optics Express, 2009, 17, 963.	3.4	0
158	Temporal focusing with spatially modulated excitation. Optics Express, 2009, 17, 5391.	3.4	52
159	Robust adiabatic sum frequency conversion. Optics Express, 2009, 17, 12731.	3.4	99
160	Spatio-temporal X-wave. Optics Express, 2009, 17, 18659.	3.4	10
161	Optical sectioning by multiexcitonic ladder climbing in colloidal quantum dots. Optics Letters, 2008, 33, 2089.	3.3	8
162	Patterned two-photon illumination by spatiotemporal shaping of ultrashort pulses. Optics Express, 2008, 16, 22039.	3.4	140

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163	Large Blue Shift of the Biexciton State in Tellurium Doped CdSe Colloidal Quantum Dots. Nano Letters, 2008, 8, 2384-2387.	9.1	51
164	Apertureless Near-Field Distance-Dependent Lifetime Imaging and Spectroscopy of Semiconductor Nanocrystals. Journal of Physical Chemistry C, 2008, 112, 16306-16311.	3.1	18
165	Long-Range Electronic-to-Vibrational Energy Transfer from Nanocrystals to Their Surrounding Matrix Environment. Physical Review Letters, 2008, 100, 057404.	7.8	54
166	Geometrical representation of sum frequency generation and adiabatic frequency conversion. Physical Review A, 2008, 78, .	2.5	139
167	Temperature Dependence of Optical Gain in CdSe/ZnS Quantum Rods. Journal of Physical Chemistry C, 2007, 111, 7898-7905.	3.1	39
168	Multiexcitons in type-II colloidal semiconductor quantum dots. Physical Review B, 2007, 75, .	3.2	206
169	Multiexciton spectroscopy of semiconductor nanocrystals under quasi-continuous-wave optical pumping. Physical Review B, 2006, 74, .	3.2	51
170	Full control of the spectral polarization of ultrashort pulses. Optics Letters, 2006, 31, 631.	3.3	91
171	Generation of a dark nonlinear focus by spatio-temporal coherent control. Optics Communications, 2006, 264, 482-487.	2.1	24
172	Efficient polarization gating of high-order harmonic generation by polarization-shaped ultrashort pulses. Physical Review A, 2005, 72, .	2.5	43
173	Harmonic generation with temporally focused ultrashort pulses. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 2660.	2.1	34
174	Scanningless depth-resolved microscopy. Optics Express, 2005, 13, 1468.	3.4	440
175	Spatiotemporal coherent control using shaped, temporally focused pulses. Optics Express, 2005, 13, 9903.	3.4	78
176	Improved depth resolution in video-rate line-scanning multiphoton microscopy using temporal focusing. Optics Letters, 2005, 30, 1686.	3.3	150
177	Quantum Control of the Angular Momentum Distribution in Multiphoton Absorption Processes. Physical Review Letters, 2004, 92, 103003.	7.8	69
178	All-optical processing in coherent nonlinear spectroscopy. Physical Review A, 2004, 70, .	2.5	28
179	Confocal microscopic imaging of fast UV-laser photolysis of caged compounds. Journal of Neuroscience Methods, 2004, 133, 153-159.	2.5	22
180	Third-harmonic generation with cylindrical Gaussian beams. Journal of the Optical Society of America B: Optical Physics, 2004, 21, 1964.	2.1	16

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181	Depth-resolved structural imaging by third-harmonic generation microscopy. Journal of Structural Biology, 2004, 147, 3-11.	2.8	96
182	Femtosecond Phase-and-Polarization Control for Background-Free Coherent Anti-Stokes Raman Spectroscopy. Physical Review Letters, 2003, 90, 213902.	7.8	217
183	Depth-resolved multiphoton polarization microscopy by third-harmonic generation. Optics Letters, 2003, 28, 2315.	3.3	49
184	Multiphoton plasmon-resonance microscopy. Optics Express, 2003, 11, 1385.	3.4	235
185	Single-pulse coherent anti-Stokes Raman spectroscopy in the fingerprint spectral region. Journal of Chemical Physics, 2003, 118, 9208-9215.	3.0	119
186	Narrow-Band Coherent Anti-Stokes Raman Signals from Broad-Band Pulses. Physical Review Letters, 2002, 88, 063004.	7.8	144
187	Quantum control of coherent anti-Stokes Raman processes. Physical Review A, 2002, 65, .	2.5	123
188	Single-Pulse Phase-Contrast Nonlinear Raman Spectroscopy. Physical Review Letters, 2002, 89, 273001.	7.8	129
189	Single-pulse coherently controlled nonlinear Raman spectroscopy and microscopy. Nature, 2002, 418, 512-514.	27.8	686
190	Coherent Transient Enhancement of Optically Induced Resonant Transitions. Physical Review Letters, 2002, 88, 123004.	7.8	96
191	Detecting Short Voltage Pulses Using Single Quantum Dots Designed for Action Potential Sensing. , 0, , .		0
192	Luminescence Upconversion in Designer Semiconductor Nanocrystals. , 0, , .		0
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