Dmitry A Fishman

List of Publications by Year
in descending order

59 papers	1,806 citations	304743 22 h-index	265206 42 g-index
68 all docs	68 docs citations	68 times ranked	2649 citing authors

#	Article	IF	Citations
1	Human Î³S-Crystallin Resists Unfolding Despite Extensive Chemical Modification from Exposure to Ionizing Radiation. Journal of Physical Chemistry B, 2022, 126, 679-690.	2.6	3
2	The Hippo pathway kinases LATS1 and LATS2 attenuate cellular responses to heavy metals through phosphorylating MTF1. Nature Cell Biology, 2022, 24, 74-87.	10.3	22
3	CdSe nanocrystal sensitized photon upconverting film. RSC Advances, 2021, 11, 31042-31046.	3.6	7
4	Nanoscale investigation of two-photon polymerized microstructures with tip-enhanced Raman spectroscopy. JPhys Photonics, 2021, 3, 024001.	4.6	3
5	Protocol for rapid ammonia detection via surface-enhanced Raman spectroscopy. STAR Protocols, 2021, 2, 100599.	1.2	0
6	Rapid chemically selective 3D imaging in the mid-infrared. Optica, 2021, 8, 995.	9.3	10
7	High-speed 2D and 3D mid-IR imaging with an InGaAs camera. APL Photonics, 2021, 6, 096108.	5.7	5
8	Direct Observation of Amorphous Precursor Phases in the Nucleation of Proteinâ€“Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2020, 142, 1433-1442.	13.7	79
9	Infrared chemical imaging through non-degenerate two-photon absorption in silicon-based cameras. Light: Science and Applications, 2020, 9, 125.	16.6	29
10	Facile All-Optical Method for In Situ Detection of Low Amounts of Ammonia. IScience, 2020, 23, 101757.	4.1	12
11	On the size-dependence of CdSe nanocrystals for photon upconversion with anthracene. Journal of Chemical Physics, 2020, 153, 114702.	3.0	15
12	Nanoscale Excitation Dynamics of Carbon Nanotubes Probed with Photoinduced Force Microscopy. Journal of Physical Chemistry C, 2020, 124, 11694-11700.	3.1	8
13	Efficient Plasmon-Mediated Energy Funneling to the Surface of Au@Pt Coreâ€“Shell Nanocrystals. ACS Nano, 2020, 14, 5061-5074.	14.6	64
14	Anthracene Diphosphate Ligands for CdSe Quantum Dots; Molecular Design for Efficient Upconversion. Chemistry of Materials, 2020, 32, 1461-1466.	6.7	46
15	Magneto-excitons in Cu₂O: theoretical model from weak to high magnetic fields. New Journal of Physics, 2019, 21, 103012.	2.9	9
16	Primary amines enhance triplet energy transfer from both the band edge and trap state from CdSe nanocrystals. Journal of Chemical Physics, 2019, 151, 174701.	3.0	10
17	Tertiary Alcohols as Radical Precursors for the Introduction of Tertiary Substituents into Heteroarenes. ACS Catalysis, 2019, 9, 3413-3418.	11.2	72
18	Photodissociation dynamics of acetone studied by time-resolved ion imaging and photofragment excitation spectroscopy. Physical Chemistry Chemical Physics, 2018, 20, 2457-2469.	2.8	14

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19	Magneto-absorption spectra of hydrogen-like yellow exciton series in cuprous oxide: excitons in strong magnetic fields. Scientific Reports, 2018, 8, 7818.	3.3	9
20	Directed evolution and biophysical characterization of a full-length, soluble, human caveolin-1 variant. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2018, 1866, 963-972.	2.3	1
21	ZnS Shells Enhance Triplet Energy Transfer from CdSe Nanocrystals for Photon Upconversion. ACS Photonics, 2018, 5, 3089-3096.	6.6	31
22	Complementary Lockâ€andâ€Key Ligand Binding of a Triplet Transmitter to a Nanocrystal Photosensitizer. Angewandte Chemie - International Edition, 2017, 56, 5598-5602.	13.8	37
23	CdS/ZnS coreâ€"shell nanocrystal photosensitizers for visible to UV upconversion. Chemical Science, 2017, 8, 5488-5496.	7.4	98
24	Competing pathways in the near-UV photochemistry of acetaldehyde. Physical Chemistry Chemical Physics, 2017, 19, 14276-14288.	2.8	21
25	Photothermal Nanoparticle Initiation Enables Radical Polymerization and Yields Unique, Uniform Microfibers with Broad Spectrum Light. ACS Applied Materials & Interfaces, 2017, 9, 39034-39039.	8.0	17
26	Ultraviolet and yellow reflectance but not fluorescence is important for visual discrimination of conspecifics by <i>Heliconius erato</i>. Journal of Experimental Biology, 2017, 220, 1267-1276.	1.7	47
27	Affinity-Guided Design of Caveolin-1 Ligands for Deoligomerization. Journal of Medicinal Chemistry, 2016, 59, 4019-4025.	6.4	3
28	Ultrafast Coherent Raman Scattering at Plasmonic Nanojunctions. Journal of Physical Chemistry C, 2016, 120, 20943-20953.	3.1	42
29	Temporal, spectral, and polarization dependence of the nonlinear optical response of carbon disulfide: erratum. Optica, 2016, 3, 657.	9.3	22
30	Ultrafast pump-probe force microscopy with nanoscale resolution. Applied Physics Letters, 2015, 106, .	3.3	72
31	Linear and Nonlinear Optical Spectroscopy at the Nanoscale with Photoinduced Force Microscopy. Accounts of Chemical Research, 2015, 48, 2671-2679.	15.6	100
32	Ultrafast pump-probe photo-induced force microscopy at nanoscale. , 2015, , .		1
33	Extremely nondegenerate 2-photon processes for Mid-IR detectors and sources. , 2014, , .		0
34	Temporal, spectral, and polarization dependence of the nonlinear optical response of carbon disulfide. Optica, 2014, 1, 436.	9.3	117
35	Extremely Nondegenerate 2-Photon Processes for Detection and Gain. , 2014, , .		0
36	Gradient and scattering forces in photoinduced force microscopy. Physical Review B, 2014, 90, .	3.2	96

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37	Seeing a single molecule vibrate through time-resolved coherent anti-Stokes Raman scattering. Nature Photonics, 2014, 8, 650-656.	31.4	220
38	Measurement of Nonlinear Refraction Dynamics of CS2. , 2014, , .		0
39	Enhanced Intersystem Crossing Rate in Polymethine-Like Molecules: Sulfur-Containing Squaraines versus Oxygen-Containing Analogues. Journal of Physical Chemistry A, 2013, 117, 2333-2346.	2.5	44
40	Phonon-Magnon Interaction in Low Dimensional Quantum Magnets Observed by Dynamic Heat Transport Measurements. Physical Review Letters, 2013, 110, 147206.	7.8	32
41	Two-photon absorption spectra of a near-infrared 2-azaazulene polymethine dye: solvation and ground-state symmetry breaking. Physical Chemistry Chemical Physics, 2013, 15, 7666.	2.8	53
42	Pulsed and CW IR Detection in Wide-gap Semiconductors using Extremely Nondegenerate Two-photon Absorption. , 2013, , .		2
43	CW IR Detection in Wide-gap Semiconductors Using Extremely Nondegenerate Two-photon Absorption. , 2013, , .		1
44	Dual-arm Z-scan technique to extract dilute solute nonlinearities from solution measurements. Optical Materials Express, 2012, 2, 1776.	3.0	64
45	IR detection in wide-gap semiconductors using extreme nondegenerate two-photon absorption. , 2012, , .		1
46	Two-Photon Absorption Spectrum of a Single Crystal Cyanine-like Dye. Journal of Physical Chemistry Letters, 2012, 3, 1222-1228.	4.6	27
47	Optimization of the Double Pumpâ€"Probe Technique: Decoupling the Triplet Yield and Cross Section. Journal of Physical Chemistry A, 2012, 116, 4833-4841.	2.5	12
48	Measuring small solute nonlinearities in solution by dual-arm Z-Scan technique. , 2012, , .		0
49	Dual-Arm Z-scan for measuring nonlinearities of solutes in solution. , 2012, , .		0
50	Extremely Non-Degenerate Two-Photon Emission in Direct-Gap Semiconductors. , 2012, , .		0
51	Two-photon emission in direct-gap semiconductors. , 2011, , .		1
52	Energy and spectral enhancement of femtosecond supercontinuum in a noble gas using a weak seed. Optics Express, 2011, 19, 757.	3.4	17
53	Extremely nondegenerate two-photon absorption in direct-gap semiconductors [Invited]. Optics Express, 2011, 19, 22951.	3.4	92
54	Sensitive mid-infrared detection in wide-bandgap semiconductors using extreme non-degenerate two-photon absorption. Nature Photonics, 2011, 5, 561-565.	31.4	118

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55	Seeded Supercontinuum Generation in Gases and Condensed Matter. , 2011, , .		0
56	Extremely nondegenerate two-photon detection of sub-bandgap pulses. , 2011, , .		0
57	Two-photon Absorption Spectra of a Near-IR Polymethine Molecule with a Broken Ground-State Symmetry. , 2011, , .		0
58	Seeded Femtosecond Supercontinua in Various Media. , 2011, , .		0
59	Extremely Nondegenerate Two-Photon Absorption and Detection in Direct Gap Semiconductors. , 2011, , .		0