

Dmitry A Fishman

List of Publications by Year in descending order

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59
papers

1,806
citations

346980

22
h-index

299063

42
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68
all docs

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docs citations

68
times ranked

3043
citing authors

#	ARTICLE	IF	CITATIONS
1	Human $\hat{3}\text{S}$ -Crystallin Resists Unfolding Despite Extensive Chemical Modification from Exposure to Ionizing Radiation. <i>Journal of Physical Chemistry B</i> , 2022, 126, 679-690.	1.2	3
2	The Hippo pathway kinases LATS1 and LATS2 attenuate cellular responses to heavy metals through phosphorylating MTF1. <i>Nature Cell Biology</i> , 2022, 24, 74-87.	4.6	22
3	CdSe nanocrystal sensitized photon upconverting film. <i>RSC Advances</i> , 2021, 11, 31042-31046.	1.7	7
4	Nanoscale investigation of two-photon polymerized microstructures with tip-enhanced Raman spectroscopy. <i>JPhys Photonics</i> , 2021, 3, 024001.	2.2	3
5	Protocol for rapid ammonia detection via surface-enhanced Raman spectroscopy. <i>STAR Protocols</i> , 2021, 2, 100599.	0.5	0
6	Rapid chemically selective 3D imaging in the mid-infrared. <i>Optica</i> , 2021, 8, 995.	4.8	10
7	High-speed 2D and 3D mid-IR imaging with an InGaAs camera. <i>APL Photonics</i> , 2021, 6, 096108.	3.0	5
8	Direct Observation of Amorphous Precursor Phases in the Nucleation of Protein-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2020, 142, 1433-1442.	6.6	79
9	Infrared chemical imaging through non-degenerate two-photon absorption in silicon-based cameras. <i>Light: Science and Applications</i> , 2020, 9, 125.	7.7	29
10	Facile All-Optical Method for In Situ Detection of Low Amounts of Ammonia. <i>IScience</i> , 2020, 23, 101757.	1.9	12
11	On the size-dependence of CdSe nanocrystals for photon upconversion with anthracene. <i>Journal of Chemical Physics</i> , 2020, 153, 114702.	1.2	15
12	Nanoscale Excitation Dynamics of Carbon Nanotubes Probed with Photoinduced Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11694-11700.	1.5	8
13	Efficient Plasmon-Mediated Energy Funneling to the Surface of Au@Pt Core-Shell Nanocrystals. <i>ACS Nano</i> , 2020, 14, 5061-5074.	7.3	64
14	Anthracene Diphosphate Ligands for CdSe Quantum Dots; Molecular Design for Efficient Upconversion. <i>Chemistry of Materials</i> , 2020, 32, 1461-1466.	3.2	46
15	Magneto-excitons in Cu_2O : theoretical model from weak to high magnetic fields. <i>New Journal of Physics</i> , 2019, 21, 103012.	1.2	9
16	Primary amines enhance triplet energy transfer from both the band edge and trap state from CdSe nanocrystals. <i>Journal of Chemical Physics</i> , 2019, 151, 174701.	1.2	10
17	Tertiary Alcohols as Radical Precursors for the Introduction of Tertiary Substituents into Heteroarenes. <i>ACS Catalysis</i> , 2019, 9, 3413-3418.	5.5	72
18	Photodissociation dynamics of acetone studied by time-resolved ion imaging and photofragment excitation spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 2457-2469.	1.3	14

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19	Magneto-absorption spectra of hydrogen-like yellow exciton series in cuprous oxide: excitons in strong magnetic fields. <i>Scientific Reports</i> , 2018, 8, 7818.	1.6	9
20	Directed evolution and biophysical characterization of a full-length, soluble, human caveolin-1 variant. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 963-972.	1.1	1
21	ZnS Shells Enhance Triplet Energy Transfer from CdSe Nanocrystals for Photon Upconversion. <i>ACS Photonics</i> , 2018, 5, 3089-3096.	3.2	31
22	Complementary Lock-and-Key Ligand Binding of a Triplet Transmitter to a Nanocrystal Photosensitizer. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5598-5602.	7.2	37
23	CdS/ZnS core-shell nanocrystal photosensitizers for visible to UV upconversion. <i>Chemical Science</i> , 2017, 8, 5488-5496.	3.7	98
24	Competing pathways in the near-UV photochemistry of acetaldehyde. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14276-14288.	1.3	21
25	Photothermal Nanoparticle Initiation Enables Radical Polymerization and Yields Unique, Uniform Microfibers with Broad Spectrum Light. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 39034-39039.	4.0	17
26	Ultraviolet and yellow reflectance but not fluorescence is important for visual discrimination of conspecifics by <i>Heliconius erato</i> . <i>Journal of Experimental Biology</i> , 2017, 220, 1267-1276.	0.8	47
27	Affinity-Guided Design of Caveolin-1 Ligands for Deoligomerization. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 4019-4025.	2.9	3
28	Ultrafast Coherent Raman Scattering at Plasmonic Nanojunctions. <i>Journal of Physical Chemistry C</i> , 2016, 120, 20943-20953.	1.5	42
29	Temporal, spectral, and polarization dependence of the nonlinear optical response of carbon disulfide: erratum. <i>Optica</i> , 2016, 3, 657.	4.8	22
30	Ultrafast pump-probe force microscopy with nanoscale resolution. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	72
31	Linear and Nonlinear Optical Spectroscopy at the Nanoscale with Photoinduced Force Microscopy. <i>Accounts of Chemical Research</i> , 2015, 48, 2671-2679.	7.6	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. <i>Optica</i> , 2014, 1, 436.	4.8	117
35	Extremely Nondegenerate 2-Photon Processes for Detection and Gain. , 2014, , .		0
36	Gradient and scattering forces in photoinduced force microscopy. <i>Physical Review B</i> , 2014, 90, .	1.1	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.	15.6	220
38	Measurement of Nonlinear Refraction Dynamics of CS ₂ . , 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.	1.1	44
40	Phonon-Magnon Interaction in Low Dimensional Quantum Magnets Observed by Dynamic Heat Transport Measurements. Physical Review Letters, 2013, 110, 147206.	2.9	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.	1.3	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.	1.6	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.	2.1	27
47	Optimization of the Double Pump-Probe Technique: Decoupling the Triplet Yield and Cross Section. Journal of Physical Chemistry A, 2012, 116, 4833-4841.	1.1	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.	1.7	17
53	Extremely nondegenerate two-photon absorption in direct-gap semiconductors [Invited]. Optics Express, 2011, 19, 22951.	1.7	92
54	Sensitive mid-infrared detection in wide-bandgap semiconductors using extreme non-degenerate two-photon absorption. Nature Photonics, 2011, 5, 561-565.	15.6	118

#	ARTICLE	IF	CITATIONS
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