

# Mikhail Drobizhev

## List of Publications by Year in descending order

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55  
papers

4,609  
citations

172457

29  
h-index

155660

55  
g-index

57  
all docs

57  
docs citations

57  
times ranked

4579  
citing authors

#	ARTICLE	IF	CITATIONS
1	A genetically encoded fluorescent biosensor for extracellular l-lactate. <i>Nature Communications</i> , 2021, 12, 7058.	12.8	46
2	Understanding the Fluorescence Change in Red Genetically Encoded Calcium Ion Indicators. <i>Biophysical Journal</i> , 2019, 116, 1873-1886.	0.5	54
3	Cooperative Enhancement of Two-Photon Absorption in Self-Assembled Zinc-Porphyrin Nanostructures. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11663-11670.	3.1	23
4	Two-photon sensitive protecting groups operating via intramolecular electron transfer: uncaging of GABA and tryptophan. <i>Chemical Science</i> , 2015, 6, 2419-2426.	7.4	48
5	Polymer Monoliths Containing Two-Photon Absorbing Phenylenevinylene Platinum(II) Acetylide Chromophores for Optical Power Limiting. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 10795-10805.	8.0	35
6	Two-Photon Voltmeter for Measuring a Molecular Electric Field. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7582-7586.	13.8	25
7	Green Fluorescent Protein with Anionic Tryptophan-Based Chromophore and Long Fluorescence Lifetime. <i>Biophysical Journal</i> , 2015, 109, 380-389.	0.5	56
8	Soluble meso-tetrakis(arylethynyl)porphyrins – synthesis and optical properties. <i>Journal of Porphyrins and Phthalocyanines</i> , 2014, 18, 998-1013.	0.8	6
9	Two-photon absorption in butadiyne-linked porphyrin dimers: torsional and substituent effects. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6802-6809.	5.5	28
10	Multiphoton Photochemistry of Red Fluorescent Proteins in Solution and Live Cells. <i>Journal of Physical Chemistry B</i> , 2014, 118, 9167-9179.	2.6	26
11	Highly sensitive detection of cancer cells using femtosecond dual-wavelength near-IR two-photon imaging. <i>Biomedical Optics Express</i> , 2012, 3, 1534.	2.9	7
12	Describing Two-Photon Absorptivity of Fluorescent Proteins with a New Vibronic Coupling Mechanism. <i>Journal of Physical Chemistry B</i> , 2012, 116, 1736-1744.	2.6	59
13	Amplified Two-Photon Absorption in <i>Trans</i> - $\text{B}_{22}$ -Porphyrins Bearing Nitrophenylethynyl Substituents. <i>ChemPhysChem</i> , 2012, 13, 3966-3972.	2.1	26
14	All-Optical Sensing of the Components of the Internal Local Electric Field in Proteins. <i>IEEE Photonics Journal</i> , 2012, 4, 1996-2001.	2.0	5
15	Unified Description of Optical Properties and Photostability of Fluorescent Proteins by Means of the Chromophore-Protein Electrostatic Interactions. <i>Biophysical Journal</i> , 2012, 102, 403a-404a.	0.5	0
16	Two-photon absorption properties of fluorescent proteins. <i>Nature Methods</i> , 2011, 8, 393-399.	19.0	589
17	One-Photon Photophysics and Two-Photon Absorption of $4\text{-}[(9,9\text{-Di}(2\text{-ethylhexyl})\text{-7-diphenylamino}[\text{fluorene}]\text{-2,2}':6\text{-}2,2'\text{-bipyridine})\text{-2-ylidene}]\text{-1,3,5-triazine}$ and Their Platinum Chloride Complexes. <i>Chemistry - A European Journal</i> , 2011, 17, 2479-2491.	11.1	11
18	New all-optical method for measuring molecular permanent dipole moment difference using two-photon absorption spectroscopy. <i>Journal of Luminescence</i> , 2010, 130, 1619-1623.	3.1	17

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19	Modeling non-Lorentzian two-photon absorption line shape in dipolar chromophores. <i>Journal of Luminescence</i> , 2010, 130, 1055-1059.	3.1	6
20	Color Hues in Red Fluorescent Proteins Are Due to Internal Quadratic Stark Effect. <i>Journal of Physical Chemistry B</i> , 2009, 113, 12860-12864.	2.6	78
21	Absolute Two-Photon Absorption Spectra and Two-Photon Brightness of Orange and Red Fluorescent Proteins. <i>Journal of Physical Chemistry B</i> , 2009, 113, 855-859.	2.6	163
22	Absolute Two-photon Absorption Spectra Of Orange And Red Fluorescent Proteins. <i>Biophysical Journal</i> , 2009, 96, 400a-401a.	0.5	1
23	Very efficient two-photon induced photo-tautomerization in non-symmetrical phthalocyanines. <i>Journal of Luminescence</i> , 2008, 128, 217-222.	3.1	10
24	Two-photon absorption properties of meso-substituted A3-corroles. <i>Chemical Physics Letters</i> , 2008, 462, 246-250.	2.6	28
25	Strong Two-Photon Absorption in Push~Pull Phthalocyanines: Role of Resonance Enhancement and Permanent Dipole Moment Change upon Excitation. <i>Journal of Physical Chemistry C</i> , 2008, 112, 848-859.	3.1	48
26	Two-photon absorption standards in the 550-1600 nm excitation wavelength range. <i>Optics Express</i> , 2008, 16, 4029.	3.4	805
27	New Two-Photon Activated Photodynamic Therapy Sensitizers Induce Xenograft Tumor Regressions after Near-IR Laser Treatment through the Body of the Host Mouse. <i>Clinical Cancer Research</i> , 2008, 14, 6564-6573.	7.0	229
28	Resonance Enhancement of Two-Photon Absorption in Fluorescent Proteins. <i>Journal of Physical Chemistry B</i> , 2007, 111, 14051-14054.	2.6	63
29	Quantum interference between multi photon absorption pathways in organic solid. <i>Journal of Luminescence</i> , 2007, 127, 28-33.	3.1	1
30	Strong Cooperative Enhancement of Two-Photon Absorption in Double-Strand Conjugated Porphyrin Ladder Arrays. <i>Journal of the American Chemical Society</i> , 2006, 128, 12432-12433.	13.7	194
31	Strong Two-Photon Absorption in New Asymmetrically Substituted Porphyrins: Interference between Charge-Transfer and Intermediate-Resonance Pathways. <i>Journal of Physical Chemistry B</i> , 2006, 110, 9802-9814.	2.6	161
32	Near-infrared two-photon absorption in phthalocyanines: Enhancement of lowest gerade-gerade transition by symmetrical electron-accepting substitution. <i>Journal of Chemical Physics</i> , 2006, 124, 224701.	3.0	41
33	One-, two- and three-photon spectroscopy of $\pi$ -conjugated dendrimers: cooperative enhancement and coherent domains. <i>Journal of Luminescence</i> , 2005, 111, 291-305.	3.1	98
34	Extremely Strong Near-IR Two-Photon Absorption in Conjugated Porphyrin Dimers: Quantitative Description with Three-Essential-States Model. <i>Journal of Physical Chemistry B</i> , 2005, 109, 7223-7236.	2.6	258
35	New Fluorophores Based on Trifluorenylamine with Very Large Intrinsic Three-Photon Absorption Cross Sections. <i>Organic Letters</i> , 2005, 7, 4807-4810.	4.6	51
36	Quantum interference in organic solid. <i>Optics Express</i> , 2005, 13, 6033.	3.4	8

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37	Singlet molecular oxygen photosensitization upon two-photon excitation of porphyrin in aqueous solution. <i>Lithuanian Journal of Physics</i> , 2005, 45, 115-123.	0.4	2
38	Electron-phonon coupling in two-photon spectral gratings: role of molecular symmetry. <i>Journal of Luminescence</i> , 2004, 107, 194-202.	3.1	1
39	Dramatic enhancement of intrinsic two-photon absorption in a conjugated porphyrin dimer. Electronic supplementary information (ESI) available: Experimental procedures. See <a href="http://www.rsc.org/suppdata/cp/b3/b313399k/">http://www.rsc.org/suppdata/cp/b3/b313399k/</a> . <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 7.	2.8	106
40	Uncovering Coherent Domain Structure in a Series of $\pi$ -Conjugated Dendrimers by Simultaneous Three-Photon Absorption. <i>Journal of Physical Chemistry B</i> , 2004, 108, 4221-4226.	2.6	39
41	Photon energy upconversion in porphyrins: one-photon hot-band absorption versus two-photon absorption. <i>Chemical Physics Letters</i> , 2003, 370, 690-699.	2.6	72
42	Two-photon absorption of tetraphenylporphin free base. <i>Journal of Luminescence</i> , 2003, 105, 45-55.	3.1	70
43	Strong Cooperative Enhancement of Two-Photon Absorption in Dendrimers. <i>Journal of Physical Chemistry B</i> , 2003, 107, 7540-7543.	2.6	249
44	Two-photon excited coherence gratings in inhomogeneously broadened organic solid. <i>Journal of Modern Optics</i> , 2002, 49, 379-390.	1.3	13
45	Frequency-domain gratings by simultaneous absorption of two photons. <i>Journal of Luminescence</i> , 2002, 98, 341-353.	3.1	12
46	Resonance enhancement of two-photon absorption in porphyrins. <i>Chemical Physics Letters</i> , 2002, 355, 175-182.	2.6	164
47	Drastic enhancement of two-photon absorption in porphyrins associated with symmetrical electron-accepting substitution. <i>Chemical Physics Letters</i> , 2002, 361, 504-512.	2.6	100
48	Dendrimer molecules with record large two-photon absorption cross section. <i>Optics Letters</i> , 2001, 26, 1081.	3.3	226
49	Efficient singlet oxygen generation upon two-photon excitation of new porphyrin with enhanced nonlinear absorption. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2001, 7, 971-975.	2.9	84
50	Persistent spectral hole burning by simultaneous two-photon absorption. <i>Chemical Physics Letters</i> , 2001, 334, 76-82.	2.6	29
51	Interference between femtosecond pulses observed via time-resolved spontaneous fluorescence. <i>Chemical Physics Letters</i> , 2000, 322, 287-292.	2.6	8
52	Picosecond dynamics of excitations studied in three generations of new 4,4'-bis(diphenylamino)stilbene-based dendrimers. <i>Chemical Physics Letters</i> , 2000, 325, 375-382.	2.6	24
53	Photo-tautomer of Br-porphyrin: a new frequency-selective material for ultrafast time-space holographic storage. <i>Journal of Luminescence</i> , 2000, 86, 391-397.	3.1	20
54	Picosecond fluorescence decay and exciton dynamics in a new far-red molecular J-aggregate system. <i>Journal of Luminescence</i> , 2000, 86, 107-116.	3.1	15

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55	Single femtosecond exposure recording of an image hologram by spectral hole burning in an unstable tautomer of a phthalocyanine derivative. <i>Optics Letters</i> , 2000, 25, 1633.	3.3	20