Andriy Chmyrov

List of Publications by Year
in descending order

26	1,141	471509 17	642732 23
papers	citations	h-index	g-index

28	28	28	1823
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genetically encoded photo-switchable molecular sensors for optoacoustic and super-resolution imaging. Nature Biotechnology, 2022, 40, 598-605.	17.5	23
2	Multifunctional Magneto-Plasmonic Fe3O4/Au Nanocomposites: Approaching Magnetophoretically-Enhanced Photothermal Therapy. Nanomaterials, 2021, 11, 1113.	4.1	21
3	Noninvasive visualization of electrical conductivity in tissues at the micrometer scale. Science Advances, 2021, 7, .	10.3	8
4	Siliconâ€Photonics Point Sensor for Highâ€Resolution Optoacoustic Imaging. Advanced Optical Materials, 2021, 9, 2100256.	7.3	9
5	Label-free metabolic imaging by mid-infrared optoacoustic microscopy in living cells. Nature Biotechnology, 2020, 38, 293-296.	17.5	74
6	A submicrometre silicon-on-insulator resonator for ultrasound detection. Nature, 2020, 585, 372-378.	27.8	98
7	Challenging a Preconception: Optoacoustic Spectrum Differs from the Optical Absorption Spectrum of Proteins and Dyes for Molecular Imaging. Analytical Chemistry, 2020, 92, 10717-10724.	6.5	26
8	Structure-Based Mutagenesis of Phycobiliprotein smURFP for Optoacoustic Imaging. ACS Chemical Biology, 2019, 14, 1896-1903.	3.4	15
9	Homogentisic acid-derived pigment as a biocompatible label for optoacoustic imaging of macrophages. Nature Communications, 2019, 10, 5056.	12.8	13
10	Characterization of Reversibly Switchable Fluorescent Proteins in Optoacoustic Imaging. Analytical Chemistry, 2018, 90, 10527-10535.	6.5	24
11	Achromatic light patterning and improved image reconstruction for parallelized RESOLFT nanoscopy. Scientific Reports, 2017, 7, 44619.	3.3	25
12	NeuBtrackerâ€”imaging neurobehavioral dynamics in freely behaving fish. Nature Methods, 2017, 14, 1079-1082.	19.0	31
13	Comment on â€œExtended-resolution structured illumination imaging of endocytic and cytoskeletal dynamicsâ€. Science, 2016, 352, 527-527.	12.6	43
14	Maximizing the Fluorescence Signal and Photostability of Fluorophores by Quenching Dark-States. Biophysical Journal, 2014, 106, 196a.	0.5	0
15	Twoâ€Color RESOLFT Nanoscopy with Green and Red Fluorescent Photochromic Proteins. ChemPhysChem, 2014, 15, 655-663.	2.1	53
16	Nanoscopy with more than 100,000 'doughnuts'. Nature Methods, 2013, 10, 737-740.	19.0	231
17	RESOLFT Nanoscopy in Living Cells at High Speed. , 2013, , .		0
18	FÃ¶rster Resonance Energy Transfer beyond 10 nm: Exploiting the Triplet State Kinetics of Organic Fluorophores. Journal of Physical Chemistry B, 2011, 115, 13360-13370.	2.6	37

#	Article	IF	Citations
19	Iodide as a Fluorescence Quencher and Promoterâ€"Mechanisms and Possible Implications. Journal of Physical Chemistry B, 2010, 114, 11282-11291.	2.6	98
20	Electrostatic Interactions of Fluorescent Molecules with Dielectric Interfaces Studied by Total Internal Reflection Fluorescence Correlation Spectroscopy. International Journal of Molecular Sciences, 2010, 11, 386-406.	4.1	15
21	Quenching of Triplet State Fluorophores for Studying Diffusion-Mediated Reactions in Lipid Membranes. Biophysical Journal, 2010, 99, 3821-3830.	0.5	19
22	Recovery of Photoinduced Reversible Dark States Utilized for Molecular Diffusion Measurements. Analytical Chemistry, 2010, 82, 9998-10005.	6.5	7
23	Triplet-State Investigations of Fluorescent Dyes at Dielectric Interfaces Using Total Internal Reflection Fluorescence Correlation Spectroscopy. Journal of Physical Chemistry A, 2009, 113, 5554-5566.	2.5	31
24	Characterization of New Fluorescent Labels for Ultrahigh Resolution Microscopy. , 2009, , .		0
25	Characterization of new fluorescent labels for ultra-high resolution microscopy. Photochemical and Photobiological Sciences, 2008, 7, 1378.	2.9	30
26	Strategies to Improve Photostabilities in Ultrasensitive Fluorescence Spectroscopy. Journal of Physical Chemistry A, 2007, 111, 429-440.	2.5	207