

Andriy Chmyrov

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,141
citations

471509

17
h-index

642732

23
g-index

28
all docs

28
docs citations

28
times ranked

1823
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscopy with more than 100,000 'doughnuts'. <i>Nature Methods</i> , 2013, 10, 737-740.	19.0	231
2	Strategies to Improve Photostabilities in Ultrasensitive Fluorescence Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2007, 111, 429-440.	2.5	207
3	Iodide as a Fluorescence Quencher and Promoter—Mechanisms and Possible Implications. <i>Journal of Physical Chemistry B</i> , 2010, 114, 11282-11291.	2.6	98
4	A submicrometre silicon-on-insulator resonator for ultrasound detection. <i>Nature</i> , 2020, 585, 372-378.	27.8	98
5	Label-free metabolic imaging by mid-infrared optoacoustic microscopy in living cells. <i>Nature Biotechnology</i> , 2020, 38, 293-296.	17.5	74
6	Two-Color RESOLFT Nanoscopy with Green and Red Fluorescent Photochromic Proteins. <i>ChemPhysChem</i> , 2014, 15, 655-663.	2.1	53
7	Comment on "Extended-resolution structured illumination imaging of endocytic and cytoskeletal dynamics". <i>Science</i> , 2016, 352, 527-527.	12.6	43
8	Förster Resonance Energy Transfer beyond 10 nm: Exploiting the Triplet State Kinetics of Organic Fluorophores. <i>Journal of Physical Chemistry B</i> , 2011, 115, 13360-13370.	2.6	37
9	Triplet-State Investigations of Fluorescent Dyes at Dielectric Interfaces Using Total Internal Reflection Fluorescence Correlation Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2009, 113, 5554-5566.	2.5	31
10	NeuroTracker—imaging neurobehavioral dynamics in freely behaving fish. <i>Nature Methods</i> , 2017, 14, 1079-1082.	19.0	31
11	Characterization of new fluorescent labels for ultra-high resolution microscopy. <i>Photochemical and Photobiological Sciences</i> , 2008, 7, 1378.	2.9	30
12	Challenging a Preconception: Optoacoustic Spectrum Differs from the Optical Absorption Spectrum of Proteins and Dyes for Molecular Imaging. <i>Analytical Chemistry</i> , 2020, 92, 10717-10724.	6.5	26
13	Achromatic light patterning and improved image reconstruction for parallelized RESOLFT nanoscopy. <i>Scientific Reports</i> , 2017, 7, 44619.	3.3	25
14	Characterization of Reversibly Switchable Fluorescent Proteins in Optoacoustic Imaging. <i>Analytical Chemistry</i> , 2018, 90, 10527-10535.	6.5	24
15	Genetically encoded photo-switchable molecular sensors for optoacoustic and super-resolution imaging. <i>Nature Biotechnology</i> , 2022, 40, 598-605.	17.5	23
16	Multifunctional Magneto-Plasmonic Fe ₃ O ₄ /Au Nanocomposites: Approaching Magnetophoretically-Enhanced Photothermal Therapy. <i>Nanomaterials</i> , 2021, 11, 1113.	4.1	21
17	Quenching of Triplet State Fluorophores for Studying Diffusion-Mediated Reactions in Lipid Membranes. <i>Biophysical Journal</i> , 2010, 99, 3821-3830.	0.5	19
18	Electrostatic Interactions of Fluorescent Molecules with Dielectric Interfaces Studied by Total Internal Reflection Fluorescence Correlation Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2010, 11, 386-406.	4.1	15

#	ARTICLE	IF	CITATIONS
19	Structure-Based Mutagenesis of Phycobiliprotein smURFP for Optoacoustic Imaging. ACS Chemical Biology, 2019, 14, 1896-1903.	3.4	15
20	Homogentisic acid-derived pigment as a biocompatible label for optoacoustic imaging of macrophages. Nature Communications, 2019, 10, 5056.	12.8	13
21	Silicon-Photonic Point Sensor for High-Resolution Optoacoustic Imaging. Advanced Optical Materials, 2021, 9, 2100256.	7.3	9
22	Noninvasive visualization of electrical conductivity in tissues at the micrometer scale. Science Advances, 2021, 7, .	10.3	8
23	Recovery of Photoinduced Reversible Dark States Utilized for Molecular Diffusion Measurements. Analytical Chemistry, 2010, 82, 9998-10005.	6.5	7
24	Maximizing the Fluorescence Signal and Photostability of Fluorophores by Quenching Dark-States. Biophysical Journal, 2014, 106, 196a.	0.5	0
25	Characterization of New Fluorescent Labels for Ultrahigh Resolution Microscopy. , 2009, , .		0
26	RESOLFT Nanoscopy in Living Cells at High Speed. , 2013, , .		0