

Sergey P Laptenok

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,802
citations

430754

18
h-index

377752

34
g-index

36
all docs

36
docs citations

36
times ranked

2854
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadband stimulated Raman imaging based on multi-channel lock-in detection for spectral histopathology. <i>APL Photonics</i> , 2022, 7, .	3.0	12
2	Printed high-NA catadioptric thin lens for suppression of XPM background in Stimulated Raman Scattering microscopy. <i>Journal of Biophotonics</i> , 2021, 14, e202000219.	1.1	9
3	Hadamard-transform spectral acquisition with an acousto-optic tunable filter in a broadband stimulated Raman scattering microscope. <i>Optics Express</i> , 2021, 29, 2378.	1.7	11
4	Hadamard-transform high spectral resolution and broadband stimulated Raman Scattering microspectroscopy using an acousto-optic tunable filter. , 2021, , .		0
5	Stimulated Raman microspectroscopy as a new method to classify microfibers from environmental samples. <i>Environmental Pollution</i> , 2020, 267, 115640.	3.7	36
6	Time-resolved photoluminescence of 6-thienyl-lumazine fluorophores in cellulose acetate nanofibers for detection of mercury ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 222, 117189.	2.0	3
7	Fingerprint CH stretch continuously tunable high spectral resolution stimulated Raman scattering microscope. <i>Journal of Biophotonics</i> , 2019, 12, e201900028.	1.1	21
8	Variation in LOV Photoreceptor Activation Dynamics Probed by Time-Resolved Infrared Spectroscopy. <i>Biochemistry</i> , 2018, 57, 620-630.	1.2	20
9	Turning on Solid-State Fluorescence with Light. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9538-9542.	7.2	6
10	Anschalten von Festkörperlumineszenz mit Licht. <i>Angewandte Chemie</i> , 2018, 130, 9683-9687.	1.6	1
11	Infrared spectroscopy reveals multi-step multi-timescale photoactivation in the photoconvertible protein archetypa. <i>Nature Chemistry</i> , 2018, 10, 845-852.	6.6	48
12	Ultrafast Excited State Dynamics in Molecular Motors: Coupling of Motor Length to Medium Viscosity. <i>Journal of Physical Chemistry A</i> , 2017, 121, 2138-2150.	1.1	18
13	Femtosecond to Millisecond Dynamics of Light Induced Allostery in the <i>Avena sativa</i> LOV Domain. <i>Journal of Physical Chemistry B</i> , 2017, 121, 1010-1019.	1.2	36
14	Photoactivation of the BLUF Protein PixD Probed by the Site-Specific Incorporation of Fluorotyrosine Residues. <i>Journal of the American Chemical Society</i> , 2017, 139, 14638-14648.	6.6	38
15	Excited-State Dynamics of Oxyluciferin in Firefly Luciferase. <i>Journal of the American Chemical Society</i> , 2016, 138, 16252-16258.	6.6	40
16	Mechanism of the AppA BLUF Photocycle Probed by Site-Specific Incorporation of Fluorotyrosine Residues: Effect of the Y21 pKa on the Forward and Reverse Ground-State Reactions. <i>Journal of the American Chemical Society</i> , 2016, 138, 926-935.	6.6	26
17	Complete Proton Transfer Cycle in GFP and Its T203V and S205V Mutants. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9303-9307.	7.2	23
18	Electron transfer quenching in light adapted and mutant forms of the AppA BLUF domain. <i>Faraday Discussions</i> , 2015, 177, 293-311.	1.6	13

#	ARTICLE	IF	CITATIONS
19	FRET-FLIM applications in plant systems. <i>Protoplasma</i> , 2014, 251, 383-394.	1.0	48
20	Quantitative Fluorescence Spectral Analysis of Protein Denaturation. <i>Methods in Molecular Biology</i> , 2014, 1076, 43-51.	0.4	3
21	BLUF Domain Function Does Not Require a Metastable Radical Intermediate State. <i>Journal of the American Chemical Society</i> , 2014, 136, 4605-4615.	6.6	41
22	Excited state structural dynamics in higher lying electronic states: S2 state of malachite green. <i>Chemical Physics Letters</i> , 2014, 607, 43-46.	1.2	10
23	Subpicosecond Kerr-Gate Spectrofluorometry. <i>Methods in Molecular Biology</i> , 2014, 1076, 321-336.	0.4	12
24	Global Analysis of FRET-FLIM Data in Live Plant Cells. <i>Methods in Molecular Biology</i> , 2014, 1076, 481-502.	0.4	6
25	Ultrafast real-time visualization of active site flexibility of flavoenzyme thymidylate synthase ThyX. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8924-8929.	3.3	26
26	Intracellular dynamics of archaeal FANCM homologue Hef in response to halted DNA replication. <i>Nucleic Acids Research</i> , 2013, 41, 10358-10370.	6.5	24
27	Modulation of the <i>Pyrococcus abyssi</i> NucS Endonuclease Activity by Replication Clamp at Functional and Structural Levels. <i>Journal of Biological Chemistry</i> , 2012, 287, 15648-15660.	1.6	20
28	Photoinduced Dynamics of Oxyluciferin Analogues: Unusual Enol \leftrightarrow Superphotoacidity and Evidence for Keto \leftrightarrow Enol Isomerization. <i>Journal of the American Chemical Society</i> , 2012, 134, 16452-16455.	6.6	56
29	Glotaran : A Java-Based Graphical User Interface for the R Package TIMP . <i>Journal of Statistical Software</i> , 2012, 49, .	1.8	1,040
30	A General Approach for Detecting Folding Intermediates from Steady-State and Time-Resolved Fluorescence of Single-Tryptophan-Containing Proteins. <i>Biochemistry</i> , 2011, 50, 3441-3450.	1.2	26
31	Exploring the structure of the N-terminal domain of CP29 with ultrafast fluorescence spectroscopy. <i>European Biophysics Journal</i> , 2010, 39, 631-638.	1.2	4
32	Global analysis of Förster resonance energy transfer in live cells measured by fluorescence lifetime imaging microscopy exploiting the rise time of acceptor fluorescence. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 7593.	1.3	78
33	ATP Changes the Fluorescence Lifetime of Cyan Fluorescent Protein via an Interaction with His148. <i>PLoS ONE</i> , 2010, 5, e13862.	1.1	16
34	Picosecond Fluorescence Relaxation Spectroscopy of the Calcium-Discharged Photoproteins Aequorin and Obelin. <i>Biochemistry</i> , 2009, 48, 10486-10491.	1.2	28