

# 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	<b>Glotaran</b>: A<i>Java</i>-Based Graphical User Interface for the<i>R</i> Package<b>TIMP</b>. Journal of Statistical Software, 2012, 49, .	1.8	1,040
2	Global analysis of Förster resonance energy transfer in live cells measured by fluorescence lifetime imaging microscopy exploiting the rise time of acceptor fluorescence. Physical Chemistry Chemical Physics, 2010, 12, 7593.	1.3	78
3	Photoinduced Dynamics of Oxyluciferin Analogues: Unusual Enol “Super”photoacidity and Evidence for Keto“Enol Isomerization. Journal of the American Chemical Society, 2012, 134, 16452-16455.	6.6	56
4	FRET-FLIM applications in plant systems. Protoplasma, 2014, 251, 383-394.	1.0	48
5	Infrared spectroscopy reveals multi-step multi-timescale photoactivation in the photoconvertible protein archetype dronpa. Nature Chemistry, 2018, 10, 845-852.	6.6	48
6	BLUF Domain Function Does Not Require a Metastable Radical Intermediate State. Journal of the American Chemical Society, 2014, 136, 4605-4615.	6.6	41
7	Excited-State Dynamics of Oxyluciferin in Firefly Luciferase. Journal of the American Chemical Society, 2016, 138, 16252-16258.	6.6	40
8	Photoactivation of the BLUF Protein PixD Probed by the Site-Specific Incorporation of Fluorotyrosine Residues. Journal of the American Chemical Society, 2017, 139, 14638-14648.	6.6	38
9	Femtosecond to Millisecond Dynamics of Light Induced Allostery in the <i>Avena sativa</i> LOV Domain. Journal of Physical Chemistry B, 2017, 121, 1010-1019.	1.2	36
10	Stimulated Raman microspectroscopy as a new method to classify microfibers from environmental samples. Environmental Pollution, 2020, 267, 115640.	3.7	36
11	Picosecond Fluorescence Relaxation Spectroscopy of the Calcium-Discharged Photoproteins Aequorin and Obelin. Biochemistry, 2009, 48, 10486-10491.	1.2	28
12	A General Approach for Detecting Folding Intermediates from Steady-State and Time-Resolved Fluorescence of Single-Tryptophan-Containing Proteins. Biochemistry, 2011, 50, 3441-3450.	1.2	26
13	Ultrafast real-time visualization of active site flexibility of flavoenzyme thymidylate synthase ThyX. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 8924-8929.	3.3	26
14	Mechanism of the AppA<sub>BLUF</sub> Photocycle Probed by Site-Specific Incorporation of Fluorotyrosine Residues: Effect of the Y21 p<i>K</i><sub>a</sub> on the Forward and Reverse Ground-State Reactions. Journal of the American Chemical Society, 2016, 138, 926-935.	6.6	26
15	Intracellular dynamics of archaeal FANCM homologue Hef in response to halted DNA replication. Nucleic Acids Research, 2013, 41, 10358-10370.	6.5	24
16	Complete Proton Transfer Cycle in GFP and Its T203V and S205V Mutants. Angewandte Chemie - International Edition, 2015, 54, 9303-9307.	7.2	23
17	Fingerprint“CH stretch continuously tunable high spectral resolution stimulated Raman scattering microscope. Journal of Biophotonics, 2019, 12, e201900028.	1.1	21
18	Modulation of the Pyrococcus abyssi NucS Endonuclease Activity by Replication Clamp at Functional and Structural Levels. Journal of Biological Chemistry, 2012, 287, 15648-15660.	1.6	20

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19	Variation in LOV Photoreceptor Activation Dynamics Probed by Time-Resolved Infrared Spectroscopy. <i>Biochemistry</i> , 2018, 57, 620-630.	1.2	20
20	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
21	ATP Changes the Fluorescence Lifetime of Cyan Fluorescent Protein via an Interaction with His148. <i>PLoS ONE</i> , 2010, 5, e13862.	1.1	16
22	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
23	Subpicosecond Kerr-Gate Spectrofluorometry. <i>Methods in Molecular Biology</i> , 2014, 1076, 321-336.	0.4	12
24	Broadband stimulated Raman imaging based on multi-channel lock-in detection for spectral histopathology. <i>APL Photonics</i> , 2022, 7, .	3.0	12
25	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
26	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
27	Printed catadioptric thin lens for suppression of XPM background in Stimulated Raman Scattering microscopy. <i>Journal of Biophotonics</i> , 2021, 14, e202000219.	1.1	9
28	Turning on Solid-State Fluorescence with Light. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9538-9542.	7.2	6
29	Global Analysis of FRET-FLIM Data in Live Plant Cells. <i>Methods in Molecular Biology</i> , 2014, 1076, 481-502.	0.4	6
30	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
31	Quantitative Fluorescence Spectral Analysis of Protein Denaturation. <i>Methods in Molecular Biology</i> , 2014, 1076, 43-51.	0.4	3
32	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
33	Anschalten von Festkörperlumineszenz mit Licht. <i>Angewandte Chemie</i> , 2018, 130, 9683-9687.	1.6	1
34	Hadamard-transform high spectral resolution and broadband stimulated Raman Scattering microspectroscopy using an acousto-optic tunable filter. , 2021, , .		0