

Alexey M Bogdanov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4955597/publications.pdf>

Version: 2024-02-01

29
papers

734
citations

933264

10
h-index

552653

26
g-index

32
all docs

32
docs citations

32
times ranked

1503
citing authors

#	ARTICLE	IF	CITATIONS
1	Amino acid residue at the 165th position tunes EYFP chromophore maturation. A structure-based design. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 2950-2959.	1.9	0
2	FLIM Indicators for Quantitative Measurement of pH. <i>Engineering Proceedings</i> , 2021, 6, 33.	0.4	0
3	Lability of Stationary and Time-Resolved Optical Properties of the Conformationally Locked CFP Chromophore Derivative. <i>Russian Journal of Bioorganic Chemistry</i> , 2021, 47, 784-787.	0.3	0
4	Developing Bright Green Fluorescent Protein (GFP)-like Fluorogens for Live-Cell Imaging with Nonpolar Protein-Chromophore Interactions. <i>Chemistry - A European Journal</i> , 2021, 27, 8946-8950.	1.7	16
5	Chromophore reduction plus reversible photobleaching: how the mKate2 "photoconversion" works. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 791-803.	1.6	6
6	Impacts of OrX and cAMP-insensitive Orco to the insect olfactory heteromer activity. <i>Molecular Biology Reports</i> , 2021, 48, 4549-4561.	1.0	4
7	Molecular Tools for Targeted Control of Nerve Cell Electrical Activity. Part I. <i>Acta Naturae</i> , 2021, 13, 52-64.	1.7	2
8	Molecular Tools for Targeted Control of Nerve Cell Electrical Activity. Part II. , 2021, 13, 17-32.		5
9	Deciphering the Role of Positions 145 and 165 in Fluorescence Lifetime Shortening in the EGFP Variants. <i>Biomolecules</i> , 2020, 10, 1547.	1.8	5
10	A General Mechanism of Green-to-Red Photoconversions of GFP. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 176.	1.6	10
11	Plasmon-Enhanced Fluorescence of EGFP on Short-Range Ordered Ag Nanohole Arrays. <i>Nanomaterials</i> , 2020, 10, 2563.	1.9	1
12	Two independent routes of post-translational chemistry in fluorescent protein FusionRed. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 551-559.	3.6	12
13	Molecular principles of insect chemoreception. <i>Acta Naturae</i> , 2020, 12, 81-91.	1.7	9
14	Increasing the Fluorescence Brightness of Superphotostable EGFP Mutant by Introducing Mutations That Block Chromophore Protonation. <i>Russian Journal of Bioorganic Chemistry</i> , 2020, 46, 1229-1241.	0.3	1
15	Red Fluorescent Genetically Encoded Voltage Indicators with Millisecond Responsiveness. <i>Sensors</i> , 2019, 19, 2982.	2.1	4
16	Influence of the First Chromophore-Forming Residue on Photobleaching and Oxidative Photoconversion of EGFP and EYFP. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5229.	1.8	18
17	Artificial Electron-transport Chains Based on Green Fluorescent Protein. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2019, 126, 102-105.	0.2	1
18	Live-cell nanoscopy enabled with transient labeling and the control of fluorophore blinking. <i>EPJ Web of Conferences</i> , 2018, 190, 03008.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Bright GFP with subnanosecond fluorescence lifetime. <i>Scientific Reports</i> , 2018, 8, 13224.	1.6	31
20	Photoinduced Chemistry in Fluorescent Proteins: Curse or Blessing?. <i>Chemical Reviews</i> , 2017, 117, 758-795.	23.0	203
21	Struggle for photostability: Bleaching mechanisms of fluorescent proteins. <i>Russian Journal of Bioorganic Chemistry</i> , 2017, 43, 625-633.	0.3	9
22	Functioning of Fluorescent Proteins in Aggregates in Anthozoa Species and in Recombinant Artificial Models. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1503.	1.8	3
23	Insertion of the voltage-sensitive domain into circularly permuted red fluorescent protein as a design for genetically encoded voltage sensor. <i>PLoS ONE</i> , 2017, 12, e0184225.	1.1	17
24	Bimolecular fluorescence complementation based on the red fluorescent protein FusionRed. <i>Russian Journal of Bioorganic Chemistry</i> , 2016, 42, 619-623.	0.3	2
25	Turning On and Off Photoinduced Electron Transfer in Fluorescent Proteins by π -Stacking, Halide Binding, and Tyr145 Mutations. <i>Journal of the American Chemical Society</i> , 2016, 138, 4807-4817.	6.6	52
26	Influence of cell growth conditions and medium composition on EGFP photostability in live cells. <i>BioTechniques</i> , 2015, 58, 258-261.	0.8	12
27	Anti-Fading Media for Live Cell GFP Imaging. <i>PLoS ONE</i> , 2012, 7, e53004.	1.1	59
28	Green fluorescent proteins are light-induced electron donors. <i>Nature Chemical Biology</i> , 2009, 5, 459-461.	3.9	176
29	Cell culture medium affects GFP photostability: a solution. <i>Nature Methods</i> , 2009, 6, 859-860.	9.0	70