

# Konstantin A Lukyanov

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2320273/konstantin-a-lukyanov-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

161  
papers

16,081  
citations

52  
h-index

126  
g-index

191  
ext. papers

17,664  
ext. citations

7.8  
avg, IF

6.17  
L-index

#	Paper	IF	Citations
161	Suppression subtractive hybridization: a method for generating differentially regulated or tissue-specific cDNA probes and libraries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1996</b> , 93, 6025-30	11.5	2618
160	Fluorescent proteins and their applications in imaging living cells and tissues. <i>Physiological Reviews</i> , <b>2010</b> , 90, 1103-63	47.9	956
159	Genetically encoded fluorescent indicator for intracellular hydrogen peroxide. <i>Nature Methods</i> , <b>2006</b> , 3, 281-6	21.6	946
158	An improved PCR method for walking in uncloned genomic DNA. <i>Nucleic Acids Research</i> , <b>1995</b> , 23, 1087-8	20.1	898
157	Engineering of a monomeric green-to-red photoactivatable fluorescent protein induced by blue light. <i>Nature Biotechnology</i> , <b>2006</b> , 24, 461-5	44.5	573
156	Bright far-red fluorescent protein for whole-body imaging. <i>Nature Methods</i> , <b>2007</b> , 4, 741-6	21.6	508
155	Bright monomeric red fluorescent protein with an extended fluorescence lifetime. <i>Nature Methods</i> , <b>2007</b> , 4, 555-7	21.6	486
154	A genetically encoded photosensitizer. <i>Nature Biotechnology</i> , <b>2006</b> , 24, 95-9	44.5	439
153	Innovation: Photoactivatable fluorescent proteins. <i>Nature Reviews Molecular Cell Biology</i> , <b>2005</b> , 6, 885-91	18.7	411
152	A ubiquitous family of putative gap junction molecules. <i>Current Biology</i> , <b>2000</b> , 10, R473-4	6.3	390
151	Fluorescent proteins as a toolkit for in vivo imaging. <i>Trends in Biotechnology</i> , <b>2005</b> , 23, 605-13	15.1	384
150	GFP-like proteins as ubiquitous metazoan superfamily: evolution of functional features and structural complexity. <i>Molecular Biology and Evolution</i> , <b>2004</b> , 21, 841-50	8.3	325
149	Photoswitchable cyan fluorescent protein for protein tracking. <i>Nature Biotechnology</i> , <b>2004</b> , 22, 1435-9	44.5	309
148	Diversity and evolution of the green fluorescent protein family. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 4256-61	11.5	294
147	The molecular properties and applications of Anthozoa fluorescent proteins and chromoproteins. <i>Nature Biotechnology</i> , <b>2004</b> , 22, 289-96	44.5	278
146	Kindling fluorescent proteins for precise in vivo photolabeling. <i>Nature Biotechnology</i> , <b>2003</b> , 21, 191-4	44.5	278
145	Natural animal coloration can be determined by a nonfluorescent green fluorescent protein homolog. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 25879-82	5.4	261

144	Local fitness landscape of the green fluorescent protein. <i>Nature</i> , <b>2016</b> , 533, 397-401	50.4	232
143	Equalizing cDNA subtraction based on selective suppression of polymerase chain reaction: cloning of Jurkat cell transcripts induced by phytohemagglutinin and phorbol 12-myristate 13-acetate. <i>Analytical Biochemistry</i> , <b>1996</b> , 240, 90-7	3.1	223
142	Intra-axonal translation and retrograde trafficking of CREB promotes neuronal survival. <i>Nature Cell Biology</i> , <b>2008</b> , 10, 149-59	23.4	219
141	Tracking intracellular protein movements using photoswitchable fluorescent proteins PS-CFP2 and Dendra2. <i>Nature Protocols</i> , <b>2007</b> , 2, 2024-32	18.8	214
140	GFP-like chromoproteins as a source of far-red fluorescent proteins. <i>FEBS Letters</i> , <b>2001</b> , 507, 16-20	3.8	198
139	Near-infrared fluorescent proteins. <i>Nature Methods</i> , <b>2010</b> , 7, 827-9	21.6	184
138	Green fluorescent proteins are light-induced electron donors. <i>Nature Chemical Biology</i> , <b>2009</b> , 5, 459-61	11.7	156
137	Photoinduced Chemistry in Fluorescent Proteins: Curse or Blessing?. <i>Chemical Reviews</i> , <b>2017</b> , 117, 758-788	55.1	154
136	Chromophore-assisted light inactivation (CALI) using the phototoxic fluorescent protein KillerRed. <i>Nature Protocols</i> , <b>2006</b> , 1, 947-53	18.8	154
135	Genetically encoded fluorescent redox sensors. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2014</b> , 1840, 745-56	4	138
134	Conformationally locked chromophores as models of excited-state proton transfer in fluorescent proteins. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 6025-32	16.4	136
133	A strategy for the generation of non-aggregating mutants of Anthozoa fluorescent proteins. <i>FEBS Letters</i> , <b>2002</b> , 511, 11-4	3.8	130
132	zFP538, a yellow-fluorescent protein from Zoanthus, contains a novel three-ring chromophore. <i>Biochemistry</i> , <b>2005</b> , 44, 202-12	3.2	123
131	Chromophore environment provides clue to "kindling fluorescent protein" riddle. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 7215-9	5.4	122
130	Family of the green fluorescent protein: journey to the end of the rainbow. <i>BioEssays</i> , <b>2002</b> , 24, 953-9	4.1	122
129	Targeting cancer cells by using an antireceptor antibody-photosensitizer fusion protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 9221-5	11.5	118
128	Red fluorescent protein with reversibly photoswitchable absorbance for photochromic FRET. <i>Chemistry and Biology</i> , <b>2010</b> , 17, 745-55		113
127	Structural basis for phototoxicity of the genetically encoded photosensitizer KillerRed. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 32028-39	5.4	102

126	Mirror orientation selection (MOS): a method for eliminating false positive clones from libraries generated by suppression subtractive hybridization. <i>Nucleic Acids Research</i> , <b>2000</b> , 28, E90	20.1	99
125	Fluorescence imaging using synthetic GFP chromophores. <i>Current Opinion in Chemical Biology</i> , <b>2015</b> , 27, 64-74	9.7	96
124	Using photoactivatable fluorescent protein Dendra2 to track protein movement. <i>BioTechniques</i> , <b>2007</b> , 42, 553, 555, 557 passim	2.5	94
123	Bidirectional increase in permeability of nuclear envelope upon poliovirus infection and accompanying alterations of nuclear pores. <i>Journal of Virology</i> , <b>2004</b> , 78, 10166-77	6.6	92
122	Common pathway for the red chromophore formation in fluorescent proteins and chromoproteins. <i>Chemistry and Biology</i> , <b>2004</b> , 11, 845-54		91
121	Structural basis for the fast maturation of Arthropoda green fluorescent protein. <i>EMBO Reports</i> , <b>2006</b> , 7, 1006-12	6.5	84
120	A colourless green fluorescent protein homologue from the non-fluorescent hydromedusa <i>Aequorea coerulescens</i> and its fluorescent mutants. <i>Biochemical Journal</i> , <b>2003</b> , 373, 403-8	3.8	79
119	Novel uses of fluorescent proteins. <i>Current Opinion in Chemical Biology</i> , <b>2015</b> , 27, 1-9	9.7	77
118	Far-red fluorescent tag for protein labelling. <i>Biochemical Journal</i> , <b>2002</b> , 368, 17-21	3.8	75
117	Far-red fluorescent proteins evolved from a blue chromoprotein from <i>Actinia equina</i> . <i>Biochemical Journal</i> , <b>2005</b> , 392, 649-54	3.8	73
116	Transducin GTPase provides for rapid quenching of the cGMP cascade in rod outer segments. <i>FEBS Letters</i> , <b>1989</b> , 250, 353-6	3.8	68
115	Method for real-time monitoring of protein degradation at the single cell level. <i>BioTechniques</i> , <b>2007</b> , 42, 446, 448, 450	2.5	67
114	Synthesis and properties of the chromophore of the asFP595 chromoprotein from <i>Anemonia sulcata</i> . <i>Biochemistry</i> , <b>2005</b> , 44, 5788-93	3.2	63
113	Cell culture medium affects GFP photostability: a solution. <i>Nature Methods</i> , <b>2009</b> , 6, 859-60	21.6	61
112	The first mutant of the <i>Aequorea victoria</i> green fluorescent protein that forms a red chromophore. <i>Biochemistry</i> , <b>2008</b> , 47, 4666-73	3.2	58
111	Red-shifted fluorescent aminated derivatives of a conformationally locked GFP chromophore. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 13234-41	4.8	56
110	Flavoprotein miniSOG as a genetically encoded photosensitizer for cancer cells. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2013</b> , 1830, 5059-67	4	56
109	Protein labeling for live cell fluorescence microscopy with a highly photostable renewable signal. <i>Chemical Science</i> , <b>2017</b> , 8, 7138-7142	9.4	50

108	Relationship between intracellular pH, metabolic co-factors and caspase-3 activation in cancer cells during apoptosis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2017</b> , 1864, 604-611	4.9	48
107	KillerOrange, a Genetically Encoded Photosensitizer Activated by Blue and Green Light. <i>PLoS ONE</i> , <b>2015</b> , 10, e0145287	3.7	47
106	Turning On and Off Photoinduced Electron Transfer in Fluorescent Proteins by $\pi$ -Stacking, Halide Binding, and Tyr145 Mutations. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 4807-17	16.4	44
105	Inverted terminal repeats permit the average length of amplified DNA fragments to be regulated during preparation of cDNA libraries by polymerase chain reaction. <i>Analytical Biochemistry</i> , <b>1995</b> , 229, 198-202	3.1	44
104	Interconversion of Anthozoa GFP-like fluorescent and non-fluorescent proteins by mutagenesis. <i>BMC Biochemistry</i> , <b>2002</b> , 3, 7	4.8	43
103	Anti-fading media for live cell GFP imaging. <i>PLoS ONE</i> , <b>2012</b> , 7, e53004	3.7	42
102	Regulation of average length of complex PCR product. <i>Nucleic Acids Research</i> , <b>1999</b> , 27, e23	20.1	42
101	Phototoxic effects of fluorescent protein KillerRed on tumor cells in mice. <i>Journal of Biophotonics</i> , <b>2013</b> , 6, 283-90	3.1	41
100	Fast reversibly photoswitching red fluorescent proteins for live-cell RESOLFT nanoscopy. <i>Nature Methods</i> , <b>2018</b> , 15, 601-604	21.6	40
99	Synthesis and properties of the red chromophore of the green-to-red photoconvertible fluorescent protein Kaede and its analogs. <i>Bioorganic Chemistry</i> , <b>2008</b> , 36, 96-104	5.1	40
98	Color transitions in coral $\beta$ fluorescent proteins by site-directed mutagenesis. <i>BMC Biochemistry</i> , <b>2001</b> , 2, 6	4.8	40
97	Alternative cyclization in GFP-like proteins family. The formation and structure of the chromophore of a purple chromoprotein from <i>Anemonia sulcata</i> . <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 21012-6	5.4	38
96	Light-induced blockage of cell division with a chromatin-targeted phototoxic fluorescent protein. <i>Biochemical Journal</i> , <b>2011</b> , 435, 65-71	3.8	37
95	Fluorescent proteins as light-inducible photochemical partners. <i>Photochemical and Photobiological Sciences</i> , <b>2010</b> , 9, 1301-6	4.2	37
94	Construction of cDNA libraries from small amounts of total RNA using the suppression PCR effect. <i>Biochemical and Biophysical Research Communications</i> , <b>1997</b> , 230, 285-8	3.4	37
93	Green fluorescent protein with anionic tryptophan-based chromophore and long fluorescence lifetime. <i>Biophysical Journal</i> , <b>2015</b> , 109, 380-9	2.9	36
92	Femtosecond study of light-induced fluorescence increase of the dark chromoprotein asFP595. <i>Chemical Physics</i> , <b>2006</b> , 323, 149-160	2.3	34
91	Molecule by molecule PCR amplification of complex DNA mixtures for direct sequencing: an approach to in vitro cloning. <i>Nucleic Acids Research</i> , <b>1996</b> , 24, 2194-5	20.1	34

90	Method for quantitative analysis of nonsense-mediated mRNA decay at the single cell level. <i>Scientific Reports</i> , <b>2015</b> , 5, 7729	4.9	31
89	Genetically encoded far-red fluorescent sensors for caspase-3 activity. <i>BioTechniques</i> , <b>2016</b> , 60, 62-8	2.5	30
88	Tryptophan-based chromophore in fluorescent proteins can be anionic. <i>Scientific Reports</i> , <b>2012</b> , 2, 608	4.9	29
87	Comparative study reveals better far-red fluorescent protein for whole body imaging. <i>Scientific Reports</i> , <b>2015</b> , 5, 10332	4.9	28
86	Hetero-oligomeric tagging diminishes non-specific aggregation of target proteins fused with Anthozoa fluorescent proteins. <i>Biochemical Journal</i> , <b>2003</b> , 371, 109-14	3.8	27
85	Docking-guided identification of protein hosts for GFP chromophore-like ligands. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 3036-3040	7.1	26
84	Phototoxic effects of lysosome-associated genetically encoded photosensitizer KillerRed. <i>Journal of Biomedical Optics</i> , <b>2014</b> , 19, 071403	3.5	25
83	A synthetic approach to GFP chromophore analogs from 3-azidocinnamates. Role of methyl rotors in chromophore photophysics. <i>Chemical Communications</i> , <b>2013</b> , 49, 5778-80	5.8	24
82	Structural evidence for a dehydrated intermediate in green fluorescent protein chromophore biosynthesis. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 15978-84	5.4	23
81	Fast and precise protein tracking using repeated reversible photoactivation. <i>Traffic</i> , <b>2006</b> , 7, 1304-10	5.7	23
80	Identification and characterization of a new family of C-type lectin-like genes from planaria <i>Girardia tigrina</i> . <i>Glycobiology</i> , <b>2002</b> , 12, 463-72	5.8	23
79	Detection of planarian Antennapedia-like homeobox genes expressed during regeneration. <i>Gene</i> , <b>1995</b> , 158, 197-202	3.8	22
78	Analysis of alternative splicing of cassette exons at single-cell level using two fluorescent proteins. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, e57	20.1	21
77	Noggin4 is a long-range inhibitor of Wnt8 signalling that regulates head development in <i>Xenopus laevis</i> . <i>Scientific Reports</i> , <b>2016</b> , 6, 23049	4.9	21
76	Green-to-red primed conversion of Dendra2 using blue and red lasers. <i>Chemical Communications</i> , <b>2016</b> , 52, 13144-13146	5.8	20
75	Fluorescence time-resolved macroimaging. <i>Optics Letters</i> , <b>2018</b> , 43, 3152-3155	3	20
74	Synthesis and spectral and chemical properties of the yellow fluorescent protein zFP538 chromophore. <i>Biochemistry</i> , <b>2009</b> , 48, 8077-82	3.2	20
73	Fluorescent protein Dendra2 as a ratiometric genetically encoded pH-sensor. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 493, 1518-1521	3.4	18

72	A synthetic GFP-like chromophore undergoes base-catalyzed autoxidation into acylimine red form. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 2782-91	4.2	18
71	Bright GFP with subnanosecond fluorescence lifetime. <i>Scientific Reports</i> , <b>2018</b> , 8, 13224	4.9	18
70	Crystal Structure of Phototoxic Orange Fluorescent Proteins with a Tryptophan-Based Chromophore. <i>PLoS ONE</i> , <b>2015</b> , 10, e0145740	3.7	17
69	Insertion of the voltage-sensitive domain into circularly permuted red fluorescent protein as a design for genetically encoded voltage sensor. <i>PLoS ONE</i> , <b>2017</b> , 12, e0184225	3.7	13
68	Towards PDT with Genetically Encoded Photosensitizer KillerRed: A Comparison of Continuous and Pulsed Laser Regimens in an Animal Tumor Model. <i>PLoS ONE</i> , <b>2015</b> , 10, e0144617	3.7	13
67	Structure of the red fluorescent protein from a lancelet ( <i>Branchiostoma lanceolatum</i> ): a novel GYG chromophore covalently bound to a nearby tyrosine. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2013</b> , 69, 1850-60		13
66	New class of blue animal pigments based on Frizzled and Kringle protein domains. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 43367-70	5.4	13
65	Steady-state and time-resolved spectroscopic studies of green-to-red photoconversion of fluorescent protein Dendra2. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2014</b> , 280, 5-13	4.7	10
64	Influence of cell growth conditions and medium composition on EGFP photostability in live cells. <i>BioTechniques</i> , <b>2015</b> , 58, 258-61	2.5	10
63	Fluorescein Derivatives as Antibacterial Agents Acting via Membrane Depolarization. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	9
62	Use of green fluorescent protein (GFP) and its homologs for in vivo protein motility studies. <i>Biochemistry (Moscow)</i> , <b>2003</b> , 68, 952-7	2.9	9
61	Intrinsic blinking of red fluorescent proteins for super-resolution microscopy. <i>Chemical Communications</i> , <b>2017</b> , 53, 949-951	5.8	8
60	Structure of the green fluorescent protein NowGFP with an anionic tryptophan-based chromophore. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2015</b> , 71, 1699-707		8
59	A genetically encoded fluorescent probe for imaging of oxygenation gradients in living. <i>Development (Cambridge)</i> , <b>2018</b> , 145,	6.6	8
58	Struggle for photostability: Bleaching mechanisms of fluorescent proteins. <i>Russian Journal of Bioorganic Chemistry</i> , <b>2017</b> , 43, 625-633	1	8
57	Efficient Synthetic Approach to Fluorescent Oxazole-4-carboxylate Derivatives. <i>Synthetic Communications</i> , <b>2013</b> , 43, 2337-2342	1.7	7
56	Highly photostable fluorescent labeling of proteins in live cells using exchangeable coiled coils heterodimerization. <i>Cellular and Molecular Life Sciences</i> , <b>2020</b> , 77, 4429-4440	10.3	7
55	Yellow and Orange Fluorescent Proteins with Tryptophan-based Chromophores. <i>ACS Chemical Biology</i> , <b>2017</b> , 12, 1867-1873	4.9	6

54	CT26 murine colon carcinoma expressing the red fluorescent protein KillerRed as a highly immunogenic tumor model. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 88002	3.5	6
53	Discovery and Properties of GFP-Like Proteins from Nonbioluminescent Anthozoa. <i>Methods of Biochemical Analysis</i> , <b>2005</b> , 121-138		6
52	Green Fluorescence of Cytaeis Hydroids Living in Association with Nassarius Gastropods in the Red Sea. <i>PLoS ONE</i> , <b>2016</b> , 11, e0146861	3.7	6
51	Studying SARS-CoV-2 with Fluorescence Microscopy. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	6
50	Influence of the First Chromophore-Forming Residue on Photobleaching and Oxidative Photoconversion of EGFP and EYFP. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	5
49	Spectral diversity among members of the green fluorescent protein family in hydroid jellyfish (Cnidaria, Hydrozoa). <i>Russian Journal of Bioorganic Chemistry</i> , <b>2005</b> , 31, 43-47	1	5
48	The Principles of Super-Resolution Fluorescence Microscopy (Review). <i>Sovremennye Tehnologii V Medicine</i> , <b>2016</b> , 8, 130-140	1.2	5
47	Lysosome-associated miniSOG as a photosensitizer for mammalian cells. <i>BioTechniques</i> , <b>2016</b> , 61, 92-4	2.5	5
46	Sequence-independent method for in vitro generation of nested deletions for sequencing large DNA fragments. <i>Analytical Biochemistry</i> , <b>1998</b> , 258, 138-41	3.1	4
45	Modern Research Techniques of Apoptotic Cell Death (Review). <i>Sovremennye Tehnologii V Medicine</i> , <b>2015</b> , 7, 172-182	1.2	4
44	Analysis of Nonsense-Mediated mRNA Decay at the Single-Cell Level Using Two Fluorescent Proteins. <i>Methods in Enzymology</i> , <b>2016</b> , 572, 291-314	1.7	4
43	Efficient silica synthesis from tetra(glycerol)orthosilicate with cathepsin- and silicatein-like proteins. <i>Scientific Reports</i> , <b>2018</b> , 8, 16759	4.9	4
42	Discovery and properties of GFP-like proteins from nonbioluminescent anthozoa. <i>Methods of Biochemical Analysis</i> , <b>2006</b> , 47, 121-38		4
41	Fluorophores for single-molecule localization microscopy. <i>Russian Journal of Bioorganic Chemistry</i> , <b>2017</b> , 43, 227-234	1	3
40	A water-soluble precursor for efficient silica polymerization by silicateins. <i>Biochemical and Biophysical Research Communications</i> , <b>2018</b> , 495, 2066-2070	3.4	3
39	Novel fluorescent proteins: diversity, mutagenesis and applications2004,		3
38	Immunotherapy of Cancer (Review). <i>Sovremennye Tehnologii V Medicine</i> , <b>2016</b> , 8, 173-182	1.2	3
37	Transient Fluorescence Labeling: Low Affinity-High Benefits. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3



36	Genetically Encoded Fluorescent Sensor for Poly-ADP-Ribose. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
35	Genetically Encoded Red Photosensitizers with Enhanced Phototoxicity. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
34	FUCCI-Red: a single-color cell cycle indicator for fluorescence lifetime imaging. <i>Cellular and Molecular Life Sciences</i> , <b>2021</b> , 78, 3467-3476	10.3	3
33	Microscopic model of optical potential for testing the $^{12,14}\text{Be}+p$ elastic scattering at 700 Mev. <i>EPJ Web of Conferences</i> , <b>2019</b> , 204, 09003	0.3	2
32	Red Fluorescent Genetically Encoded Voltage Indicators with Millisecond Responsiveness. <i>Sensors</i> , <b>2019</b> , 19,	3.8	2
31	Fluorescence Imaging of Actin Fine Structure in Tumor Tissues Using SiR-Actin Staining. <i>Anticancer Research</i> , <b>2016</b> , 36, 5287-5294	2.3	2
30	A General Mechanism of Green-to-Red Photoconversions of GFP. <i>Frontiers in Molecular Biosciences</i> , <b>2020</b> , 7, 176	5.6	2
29	Bimolecular fluorescence complementation based on the red fluorescent protein FusionRed. <i>Russian Journal of Bioorganic Chemistry</i> , <b>2016</b> , 42, 619-623	1	2
28	Sensors for Caspase Activities. <i>Russian Journal of Bioorganic Chemistry</i> , <b>2018</b> , 44, 645-652	1	2
27	Molecular Tools for Targeted Control of Nerve Cell Electrical Activity. Part II.. <i>Acta Naturae</i> , <b>2021</b> , 13, 17-32	2.1	2
26	Artificial Electron-transport Chains Based on Green Fluorescent Protein. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , <b>2019</b> , 126, 102-105	0.7	1
25	Green fluorescent protein with tryptophan-based chromophore stable at low pH. <i>Russian Journal of Bioorganic Chemistry</i> , <b>2017</b> , 43, 220-222	1	1
24	Functioning of Fluorescent Proteins in Aggregates in Anthozoa Species and in Recombinant Artificial Models. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	1
23	Common fluorescent proteins for single-molecule localization microscopy <b>2015</b> ,		1
22	A Natural Fluorescent Protein That Changes Its Fluorescence Color during Maturation. <i>Russian Journal of Bioorganic Chemistry</i> , <b>2003</b> , 29, 325-329	1	1
21	Molecular Tools for Targeted Control of Nerve Cell Electrical Activity. Part I. <i>Acta Naturae</i> , <b>2021</b> , 13, 52-64	4.1	1
20	Multiparametric analysis of cisplatin-induced changes in cancer cells using FLIM <b>2018</b> ,		1
19	Chromophore reduction plus reversible photobleaching: how the mKate2 "photoconversion" works. <i>Photochemical and Photobiological Sciences</i> , <b>2021</b> , 20, 791-803	4.2	1

18	Three-dimensional structure of a pH-dependent fluorescent protein WasCFP with a tryptophan based deprotonated chromophore. <i>Russian Journal of Bioorganic Chemistry</i> , <b>2016</b> , 42, 612-618	1	1
17	PDT with genetically encoded photosensitizer miniSOG on a tumor spheroid model: A comparative study of continuous-wave and pulsed irradiation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2021</b> , 1865, 129978	4	1
16	Green-red flashers to accelerate biology. <i>Chemistry and Biology</i> , <b>2011</b> , 18, 1202-4		0
15	Increasing the Fluorescence Brightness of Superphotostable EGFP Mutant by Introducing Mutations That Block Chromophore Protonation. <i>Russian Journal of Bioorganic Chemistry</i> , <b>2020</b> , 46, 1229 <sup>1</sup> -1241 <sup>0</sup>		0
14	Impacts of OrX and cAMP-insensitive Orco to the insect olfactory heteromer activity. <i>Molecular Biology Reports</i> , <b>2021</b> , 48, 4549-4561	2.8	0
13	Insight into redox regulation of apoptosis in cancer cells with multiparametric live-cell microscopy.. <i>Scientific Reports</i> , <b>2022</b> , 12, 4476	4.9	0
12	Selective Suppression of Polymerase Chain Reaction and Its Most Popular Applications <b>2007</b> , 29-51		
11	Key Amino Acid Residues Responsible for the Color of Green and Yellow Fluorescent Proteins from the Coral Polyp <i>Zoanthus</i> sp.. <i>Russian Journal of Bioorganic Chemistry</i> , <b>2002</b> , 28, 274-277	1	
10	Fluorescence enhancement of asCP595 is due to consecutive absorbance of two photons <b>2004</b> , 5329, 73		
9	Computational redesign of a fluorogen activating protein with Rosetta. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1009555	5	
8	The Jellyfish <i>Aequorea</i> and Other Luminous Coelenterates <b>2019</b> , 95-175		
7	FLIM Indicators for Quantitative Measurement of pH. <i>Engineering Proceedings</i> , <b>2021</b> , 6, 33	0.5	
6	Fluorescent Protein-Based Quantification of Alternative Splicing of a Target Cassette Exon in Mammalian Cells. <i>Methods in Enzymology</i> , <b>2016</b> , 572, 255-68	1.7	
5	Spotlight on bioluminescence research. <i>Biochemical and Biophysical Research Communications</i> , <b>2019</b> , 520, 683-684	3.4	
4	Amino acid residue at the 165th position tunes EYFP chromophore maturation. A structure-based design. <i>Computational and Structural Biotechnology Journal</i> , <b>2021</b> , 19, 2950-2959	6.8	
3	Generation of Cell Lines Stably Expressing a Fluorescent Reporter of Nonsense-Mediated mRNA Decay Activity. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1720, 187-204	1.4	
2	Live-cell nanoscopy enabled with transient labeling and the control of fluorophore blinking. <i>EPJ Web of Conferences</i> , <b>2018</b> , 190, 03008	0.3	
1	Persistence of plasmids targeted by CRISPR interference in bacterial populations.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2114905119	11.5	

