

# Alexey A Pakhomov

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

709  
citations

687220

13  
h-index

552653

26  
g-index

36  
all docs

36  
docs citations

36  
times ranked

870  
citing authors

#	ARTICLE	IF	CITATIONS
1	GFP Family: Structural Insights into Spectral Tuning. <i>Chemistry and Biology</i> , 2008, 15, 755-764.	6.2	177
2	Photochemical and Photoorientational Behavior of Liquid Crystalline Carbosilane Dendrimer with Azobenzene Terminal Groups. <i>Journal of Physical Chemistry B</i> , 2002, 106, 540-546.	1.2	69
3	Genetically encoded fluorescent indicators for live cell pH imaging. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2924-2939.	1.1	47
4	Synthetic Fluorophores for Visualizing Biomolecules in Living Systems. <i>Acta Naturae</i> , 2016, 8, 33-46.	1.7	44
5	Synthesis and photophysical properties of a new BODIPY-based siloxane dye. <i>Tetrahedron Letters</i> , 2016, 57, 979-982.	0.7	41
6	Photoconversion of the Chromophore of a Fluorescent Protein from <i>Dendronephthya</i> sp.. <i>Biochemistry (Moscow)</i> , 2004, 69, 901-908.	0.7	38
7	A Purple-blue Chromoprotein from <i>Goniopora tenuidens</i> Belongs to the DsRed Subfamily of GFP-like Proteins. <i>Journal of Biological Chemistry</i> , 2003, 278, 46288-46292.	1.6	37
8	Chromophore Structure of the Kindling Fluorescent Protein asFP595 from <i>Anemonia sulcata</i> . <i>Journal of the American Chemical Society</i> , 2007, 129, 7748-7749.	6.6	30
9	Refined crystal structures of red and green fluorescent proteins from the button polyp <i>Zoanthus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2007, 63, 1082-1093.	2.5	25
10	Fluorescent protein Dendra2 as a ratiometric genetically encoded pH-sensor. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 1518-1521.	1.0	22
11	Structure and Reactivity of the Chromophore of a GFP-like Chromoprotein from <i>Condylactis gigantea</i> . <i>Biochemistry</i> , 2006, 45, 7256-7264.	1.2	21
12	Chromophore Aspartate Oxidation <sup>+</sup> Decarboxylation in the Green-to-Red Conversion of a Fluorescent Protein from <i>Zoanthus</i> sp. 2. <i>Biochemistry</i> , 2007, 46, 11528-11535.	1.2	19
13	BODIPY derivatives as fluorescent reporters of molecular activities in living cells. <i>Russian Chemical Reviews</i> , 2021, 90, 1213-1262.	2.5	18
14	Probing the structural determinants of yellow fluorescence of a protein from <i>Phialidium</i> sp.. <i>Biochemical and Biophysical Research Communications</i> , 2011, 407, 230-235.	1.0	13
15	BODIPY-based dye for no-wash live-cell staining and imaging. <i>BioTechniques</i> , 2017, 63, 77-80.	0.8	13
16	Modulation of the photophysical properties of multi-BODIPY-siloxane conjugates by varying the number of fluorophores. <i>Dyes and Pigments</i> , 2022, 203, 110371.	2.0	13
17	Synthesis, crystal structure and optical properties of a new meso-acrylate BODIPY dye. <i>Mendeleev Communications</i> , 2016, 26, 196-198.	0.6	12
18	FLIM-Based Intracellular and Extracellular pH Measurements Using Genetically Encoded pH Sensor. <i>Biosensors</i> , 2021, 11, 340.	2.3	12

#	ARTICLE	IF	CITATIONS
19	Crystal structure of the fluorescent protein from <i>Dendronephthya</i> sp. in both green and photoconverted red forms. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016, 72, 922-932.	1.1	11
20	Synthesis and crystal structure of a meso -decene-BODIPY dye as a functional bright fluorophore for silicone matrices. <i>Mendeleev Communications</i> , 2017, 27, 363-365.	0.6	8
21	Posttranslational chemistry of proteins of the GFP family. <i>Biochemistry (Moscow)</i> , 2009, 74, 250-259.	0.7	7
22	Impact of external amino acids on fluorescent protein chromophore biosynthesis revealed by molecular dynamics and mutagenesis studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 206, 111853.	1.7	5
23	The influence of chromophore-protein interactions on spectroscopic properties of the yellow fluorescent protein. <i>Doklady Biochemistry and Biophysics</i> , 2012, 445, 207-209.	0.3	3
24	Cancer cells targeting with genetically engineered constructs based on a pH-dependent membrane insertion peptide and fluorescent protein. <i>Biochemical and Biophysical Research Communications</i> , 2022, 612, 141-146.	1.0	3
25	Novel DBMBF2-BODIPY dyads connected via flexible linker: synthesis and photophysical properties. <i>New Journal of Chemistry</i> , 0, , .	1.4	2
26	Spectroscopic Analysis of Fluorescent Proteins Infiltrated into Photonic Crystals. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2020, 128, 915-919.	0.2	1
27	Physicochemical Properties of Photoconvertible Fluorescent Protein from <i>Montastraea cavernosa</i> . <i>Russian Journal of Bioorganic Chemistry</i> , 2021, 47, 244-251.	0.3	1
28	Generation of photoactivatable fluorescent protein from photoconvertible ancestor. <i>Russian Journal of Bioorganic Chemistry</i> , 2017, 43, 340-343.	0.3	0
29	Transformations of the Chromophore in the Course of Maturation of a Chromoprotein from <i>Actinia equina</i> . <i>Russian Journal of Bioorganic Chemistry</i> , 2021, 47, 230-235.	0.3	0
30	Generation and Characteristics of Genetically Encoded Fluorescent Sensors of Extracellular pH. <i>Russian Journal of Bioorganic Chemistry</i> , 2021, 47, 1060-1065.	0.3	0
31	The three-dimensional structure of red, yellow and green fluorescent proteins from <i>Zoanthus</i> . <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2008, 64, C230-C231.	0.3	0
32	Crystal structure of the fluorescent protein from <i>Dendronephthya</i> sp. in both green and photoconverted red forms. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, a38-a38.	0.0	0