

# Vladimir I Martynov

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,315  
citations

393982

19  
h-index

344852

36  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1347  
citing authors

#	ARTICLE	IF	CITATIONS
1	GFP-like chromoproteins as a source of far-red fluorescent proteins. <i>FEBS Letters</i> , 2001, 507, 16-20.	1.3	240
2	GFP Family: Structural Insights into Spectral Tuning. <i>Chemistry and Biology</i> , 2008, 15, 755-764.	6.2	177
3	Structural Basis for Phototoxicity of the Genetically Encoded Photosensitizer KillerRed. <i>Journal of Biological Chemistry</i> , 2009, 284, 32028-32039.	1.6	123
4	Far-red fluorescent tag for protein labelling. <i>Biochemical Journal</i> , 2002, 368, 17-21.	1.7	83
5	Synthesis and Properties of the Chromophore of the asFP595 Chromoprotein from <i>Anemonia sulcata</i> . <i>Biochemistry</i> , 2005, 44, 5788-5793.	1.2	74
6	Genetically encoded fluorescent indicators for live cell pH imaging. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 2924-2939.	1.1	47
7	Alternative Cyclization in GFP-like Proteins Family. <i>Journal of Biological Chemistry</i> , 2001, 276, 21012-21016.	1.6	44
8	Synthetic Fluorophores for Visualizing Biomolecules in Living Systems. <i>Acta Naturae</i> , 2016, 8, 33-46.	1.7	44
9	Synthesis and photophysical properties of a new BODIPY-based siloxane dye. <i>Tetrahedron Letters</i> , 2016, 57, 979-982.	0.7	41
10	Photoconversion of the Chromophore of a Fluorescent Protein from <i>Dendronephthya</i> sp.. <i>Biochemistry (Moscow)</i> , 2004, 69, 901-908.	0.7	38
11	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
12	Structural Evidence for a Dehydrated Intermediate in Green Fluorescent Protein Chromophore Biosynthesis. <i>Journal of Biological Chemistry</i> , 2010, 285, 15978-15984.	1.6	31
13	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
14	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
15	Yellow fluorescent protein phiYFPv ( <i>Phialidium</i> ): structure and structure-based mutagenesis. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 1005-1012.	2.5	25
16	Fluorescent protein Dendra2 as a ratiometric genetically encoded pH-sensor. <i>Biochemical and Biophysical Research Communications</i> , 2017, 493, 1518-1521.	1.0	22
17	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
18	Chromophore Aspartate Oxidation/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

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19	BODIPY derivatives as fluorescent reporters of molecular activities in living cells. <i>Russian Chemical Reviews</i> , 2021, 90, 1213-1262.	2.5	18
20	Structure of a red fluorescent protein from <i>Zoanthus</i> , zRFP574, reveals a novel chromophore. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2006, 62, 527-532.	2.5	15
21	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
22	BODIPY-based dye for no-wash live-cell staining and imaging. <i>BioTechniques</i> , 2017, 63, 77-80.	0.8	13
23	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
24	Histamine releasing and anti-inflammatory activities of MCD-peptide and its modified forms. <i>Agents and Actions</i> , 1981, 11, 69-71.	0.7	12
25	Synthesis, crystal structure and optical properties of a new meso-acrylate BODIPY dye. <i>Mendeleev Communications</i> , 2016, 26, 196-198.	0.6	12
26	FLIM-Based Intracellular and Extracellular pH Measurements Using Genetically Encoded pH Sensor. <i>Biosensors</i> , 2021, 11, 340.	2.3	12
27	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
28	Proteinase-treated photoreceptor discs. Photoelectric activity of the partially-digested rhodopsin and membrane orientation. <i>FEBS Journal</i> , 1984, 142, 583-590.	0.2	9
29	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
30	Posttranslational chemistry of proteins of the GFP family. <i>Biochemistry (Moscow)</i> , 2009, 74, 250-259.	0.7	7
31	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
32	Character of the histamine-liberating action of MCD-peptide from bee venom. <i>Bulletin of Experimental Biology and Medicine</i> , 1977, 84, 1013-1015.	0.3	3
33	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
34	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
35	Generation of photoactivatable fluorescent protein from photoconvertible ancestor. <i>Russian Journal of Bioorganic Chemistry</i> , 2017, 43, 340-343.	0.3	0