

# Virgile Adam

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8238945/virgile-adam-publications-by-citations.pdf>

**Version:** 2024-04-27

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.

38  
papers

1,628  
citations

23  
h-index

40  
g-index

44  
ext. papers

1,890  
ext. citations

8.4  
avg, IF

4.39  
L-index

#	Paper	IF	Citations
38	Structural characterization of IrisFP, an optical highlighter undergoing multiple photo-induced transformations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 18343-8	11.5	187
37	Raman-assisted crystallography reveals end-on peroxide intermediates in a nonheme iron enzyme. <i>Science</i> , <b>2007</b> , 316, 449-53	33.3	134
36	Reversible photoswitching in fluorescent proteins: a mechanistic view. <i>IUBMB Life</i> , <b>2012</b> , 64, 482-91	4.7	101
35	Chromophore twisting in the excited state of a photoswitchable fluorescent protein captured by time-resolved serial femtosecond crystallography. <i>Nature Chemistry</i> , <b>2018</b> , 10, 31-37	17.6	99
34	Structural basis of enhanced photoconversion yield in green fluorescent protein-like protein Dendra2. <i>Biochemistry</i> , <b>2009</b> , 48, 4905-15	3.2	84
33	Structure of superoxide reductase bound to ferrocyanide and active site expansion upon X-ray-induced photo-reduction. <i>Structure</i> , <b>2004</b> , 12, 1729-40	5.2	84
32	Rational design of photoconvertible and biphotochromic fluorescent proteins for advanced microscopy applications. <i>Chemistry and Biology</i> , <b>2011</b> , 18, 1241-51		79
31	Phototransformable fluorescent proteins: Future challenges. <i>Current Opinion in Chemical Biology</i> , <b>2014</b> , 20, 92-102	9.7	57
30	Structural basis of X-ray-induced transient photobleaching in a photoactivatable green fluorescent protein. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 18063-5	16.4	57
29	A microspectrophotometer for UV-visible absorption and fluorescence studies of protein crystals. <i>Journal of Applied Crystallography</i> , <b>2002</b> , 35, 319-326	3.8	53
28	Remodeling of the Z-Ring Nanostructure during the Streptococcus pneumoniae Cell Cycle Revealed by Photoactivated Localization Microscopy. <i>MBio</i> , <b>2015</b> , 6,	7.8	52
27	Data storage based on photochromic and photoconvertible fluorescent proteins. <i>Journal of Biotechnology</i> , <b>2010</b> , 149, 289-98	3.7	52
26	Structural evidence for a two-regime photobleaching mechanism in a reversibly switchable fluorescent protein. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 15841-50	16.4	47
25	Advances in spectroscopic methods for biological crystals. 1. Fluorescence lifetime measurements. <i>Journal of Applied Crystallography</i> , <b>2007</b> , 40, 1105-1112	3.8	47
24	From EosFP to mIrisFP: structure-based development of advanced photoactivatable marker proteins of the GFP-family. <i>Journal of Biophotonics</i> , <b>2011</b> , 4, 377-90	3.1	41
23	Rational design of ultrastable and reversibly photoswitchable fluorescent proteins for super-resolution imaging of the bacterial periplasm. <i>Scientific Reports</i> , <b>2016</b> , 6, 18459	4.9	39
22	Photoconversion of the fluorescent protein EosFP: a hybrid potential simulation study reveals intersystem crossings. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 16814-23	16.4	34

21	The crystal structure of Mycobacterium tuberculosis thymidylate kinase in complex with 3aazidodeoxythymidine monophosphate suggests a mechanism for competitive inhibition. <i>Biochemistry</i> , <b>2005</b> , 44, 130-7	3.2	34
20	Arginine 66 Controls Dark-State Formation in Green-to-Red Photoconvertible Fluorescent Proteins. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 558-65	16.4	32
19	Serial Femtosecond Crystallography and Ultrafast Absorption Spectroscopy of the Photoswitchable Fluorescent Protein IrisFP. <i>Journal of Physical Chemistry Letters</i> , <b>2016</b> , 7, 882-7	6.4	31
18	The nature of transient dark states in a photoactivatable fluorescent protein. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 18586-9	16.4	31
17	Low-temperature switching by photoinduced protonation in photochromic fluorescent proteins. <i>Photochemical and Photobiological Sciences</i> , <b>2010</b> , 9, 254-62	4.2	30
16	In cellulo evaluation of phototransformation quantum yields in fluorescent proteins used as markers for single-molecule localization microscopy. <i>PLoS ONE</i> , <b>2014</b> , 9, e98362	3.7	25
15	Photoswitching mechanism of a fluorescent protein revealed by time-resolved crystallography and transient absorption spectroscopy. <i>Nature Communications</i> , <b>2020</b> , 11, 741	17.4	23
14	Mechanistic investigation of mEos4b reveals a strategy to reduce track interruptions in sptPALM. <i>Nature Methods</i> , <b>2019</b> , 16, 707-710	21.6	23
13	Detoxification of superoxide without production of H <sub>2</sub> O <sub>2</sub> : antioxidant activity of superoxide reductase complexed with ferrocyanide. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 14750-5	11.5	21
12	Photoactivated structural dynamics of fluorescent proteins. <i>Biochemical Society Transactions</i> , <b>2012</b> , 40, 531-8	5.1	19
11	Revealing the excited-state dynamics of the fluorescent protein Dendra2. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 2300-13	3.4	18
10	Phototransformable fluorescent proteins: which one for which application?. <i>Histochemistry and Cell Biology</i> , <b>2014</b> , 142, 19-41	2.4	16
9	Rational design of enhanced photoresistance in a photoswitchable fluorescent protein. <i>Methods and Applications in Fluorescence</i> , <b>2015</b> , 3, 014004	3.1	15
8	Structural basis of photoswitching in fluorescent proteins. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1148, 177-202	1.4	13
7	Mechanistic Investigations of Green mEos4b Reveal a Dynamic Long-Lived Dark State. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 10978-10988	16.4	12
6	Excited state dynamics of the photoconvertible fluorescent protein Kaede revealed by ultrafast spectroscopy. <i>Photochemical and Photobiological Sciences</i> , <b>2014</b> , 13, 867-74	4.2	10
5	Photoswitching of Green mEos2 by Intense 561 nm Light Perturbs Efficient Green-to-Red Photoconversion in Localization Microscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 4424-4430	6.4	9
4	Cryophotolysis of a caged oxygen compound for use in low temperature biological studies. <i>Photochemical and Photobiological Sciences</i> , <b>2009</b> , 8, 1150-6	4.2	9

- 3 NMR Reveals Light-Induced Changes in the Dynamics of a Photoswitchable Fluorescent Protein. *Biophysical Journal*, **2019**, 117, 2087-2100 2.9 5
- 2 Supramolecular assembly of the Ldcl upon acid stress. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118, 11811-11816 11.5 3
- 1 Disentangling Chromophore States in a Reversibly Switchable Green Fluorescent Protein: Mechanistic Insights from NMR Spectroscopy. *Journal of the American Chemical Society*, **2021**, 143, 7521-7530 16.4 2