

# Karen S Sarkisyan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4969453/publications.pdf>

Version: 2024-02-01

25  
papers

1,837  
citations

687220

13  
h-index

580701

25  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2766  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogeneity of the GFP fitness landscape and data-driven protein design. <i>ELife</i> , 2022, 11, .	2.8	24
2	FUCCI-Red: a single-color cell cycle indicator for fluorescence lifetime imaging. <i>Cellular and Molecular Life Sciences</i> , 2021, 78, 3467-3476.	2.4	11
3	Genetically Encoded Red Photosensitizers with Enhanced Phototoxicity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8800.	1.8	8
4	Bioluminescence-Driven Optogenetics. <i>Life</i> , 2020, 10, 318.	1.1	10
5	Plants with genetically encoded autoluminescence. <i>Nature Biotechnology</i> , 2020, 38, 944-946.	9.4	89
6	Measuring <i>Caenorhabditis elegans</i> Spatial Foraging and Food Intake Using Bioluminescent Bacteria. <i>Genetics</i> , 2020, 214, 577-587.	1.2	13
7	An experimental assay of the interactions of amino acids from orthologous sequences shaping a complex fitness landscape. <i>PLoS Genetics</i> , 2019, 15, e1008079.	1.5	71
8	A brief review of bioluminescent systems (2019). <i>Current Genetics</i> , 2019, 65, 877-882.	0.8	84
9	A mutant of the phototoxic protein KillerRed that does not form DsRed-like chromophore. <i>Bulletin of Russian State Medical University</i> , 2019, , 45-48.	0.3	1
10	Sensors for Caspase Activities. <i>Russian Journal of Bioorganic Chemistry</i> , 2018, 44, 645-652.	0.3	2
11	Genetically encodable bioluminescent system from fungi. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12728-12732.	3.3	130
12	Yellow and Orange Fluorescent Proteins with Tryptophan-based Chromophores. <i>ACS Chemical Biology</i> , 2017, 12, 1867-1873.	1.6	6
13	Protein labeling for live cell fluorescence microscopy with a highly photostable renewable signal. <i>Chemical Science</i> , 2017, 8, 7138-7142.	3.7	62
14	Green fluorescent protein with tryptophan-based chromophore stable at low pH. <i>Russian Journal of Bioorganic Chemistry</i> , 2017, 43, 220-222.	0.3	1
15	Three-dimensional structure of a pH-dependent fluorescent protein WasCFP with a tryptophan based deprotonated chromophore. <i>Russian Journal of Bioorganic Chemistry</i> , 2016, 42, 612-618.	0.3	1
16	Local fitness landscape of the green fluorescent protein. <i>Nature</i> , 2016, 533, 397-401.	13.7	438
17	Docking-guided identification of protein hosts for GFP chromophore-like ligands. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3036-3040.	2.7	29
18	KillerOrange, a Genetically Encoded Photosensitizer Activated by Blue and Green Light. <i>PLoS ONE</i> , 2015, 10, e0145287.	1.1	56

#	ARTICLE	IF	CITATIONS
19	Crystal Structure of Phototoxic Orange Fluorescent Proteins with a Tryptophan-Based Chromophore. PLoS ONE, 2015, 10, e0145740.	1.1	23
20	Structure of the green fluorescent protein NowGFP with an anionic tryptophan-based chromophore. Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 1699-1707.	2.5	9
21	Green Fluorescent Protein with Anionic Tryptophan-Based Chromophore and Long Fluorescence Lifetime. Biophysical Journal, 2015, 109, 380-389.	0.2	56
22	Fluorescent Protein Based FRET Pairs with Improved Dynamic Range for Fluorescence Lifetime Measurements. PLoS ONE, 2015, 10, e0134436.	1.1	30
23	NowGFP: a green fluorescent protein with an anionic tryptophan-based chromophore. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s200-s200.	0.0	0
24	Genetically encoded calcium indicators for multi-color neural activity imaging and combination with optogenetics. Frontiers in Molecular Neuroscience, 2013, 6, 2.	1.4	629
25	Tryptophan-based chromophore in fluorescent proteins can be anionic. Scientific Reports, 2012, 2, 608.	1.6	35