

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	Genetically encoded calcium indicators for multi-color neural activity imaging and combination with optogenetics. <i>Frontiers in Molecular Neuroscience</i> , 2013, 6, 2.	1.4	629
2	Local fitness landscape of the green fluorescent protein. <i>Nature</i> , 2016, 533, 397-401.	13.7	438
3	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
4	Plants with genetically encoded autoluminescence. <i>Nature Biotechnology</i> , 2020, 38, 944-946.	9.4	89
5	A brief review of bioluminescent systems (2019). <i>Current Genetics</i> , 2019, 65, 877-882.	0.8	84
6	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
7	Protein labeling for live cell fluorescence microscopy with a highly photostable renewable signal. <i>Chemical Science</i> , 2017, 8, 7138-7142.	3.7	62
8	KillerOrange, a Genetically Encoded Photosensitizer Activated by Blue and Green Light. <i>PLoS ONE</i> , 2015, 10, e0145287.	1.1	56
9	Green Fluorescent Protein with Anionic Tryptophan-Based Chromophore and Long Fluorescence Lifetime. <i>Biophysical Journal</i> , 2015, 109, 380-389.	0.2	56
10	Tryptophan-based chromophore in fluorescent proteins can be anionic. <i>Scientific Reports</i> , 2012, 2, 608.	1.6	35
11	Fluorescent Protein Based FRET Pairs with Improved Dynamic Range for Fluorescence Lifetime Measurements. <i>PLoS ONE</i> , 2015, 10, e0134436.	1.1	30
12	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
13	Heterogeneity of the GFP fitness landscape and data-driven protein design. <i>ELife</i> , 2022, 11, .	2.8	24
14	Crystal Structure of Phototoxic Orange Fluorescent Proteins with a Tryptophan-Based Chromophore. <i>PLoS ONE</i> , 2015, 10, e0145740.	1.1	23
15	Measuring <i>Caenorhabditis elegans</i> Spatial Foraging and Food Intake Using Bioluminescent Bacteria. <i>Genetics</i> , 2020, 214, 577-587.	1.2	13
16	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
17	Bioluminescence-Driven Optogenetics. <i>Life</i> , 2020, 10, 318.	1.1	10
18	Structure of the green fluorescent protein NowGFP with an anionic tryptophan-based chromophore. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 1699-1707.	2.5	9

#	ARTICLE	IF	CITATIONS
19	Genetically Encoded Red Photosensitizers with Enhanced Phototoxicity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8800.	1.8	8
20	Yellow and Orange Fluorescent Proteins with Tryptophan-based Chromophores. <i>ACS Chemical Biology</i> , 2017, 12, 1867-1873.	1.6	6
21	Sensors for Caspase Activities. <i>Russian Journal of Bioorganic Chemistry</i> , 2018, 44, 645-652.	0.3	2
22	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
23	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
24	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
25	NowGFP: a green fluorescent protein with an anionic tryptophan-based chromophore. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2015, 71, s200-s200.	0.0	0