

Dmitry B Staroverov

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

5,378
citations

257101

24
h-index

344852

36
g-index

37
all docs

37
docs citations

37
times ranked

10295
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetically encoded fluorescent indicator for intracellular hydrogen peroxide. <i>Nature Methods</i> , 2006, 3, 281-286.	9.0	1,096
2	Engineering of a monomeric green-to-red photoactivatable fluorescent protein induced by blue light. <i>Nature Biotechnology</i> , 2006, 24, 461-465.	9.4	673
3	A genetically encoded photosensitizer. <i>Nature Biotechnology</i> , 2006, 24, 95-99.	9.4	519
4	The mammalian pannexin family is homologous to the invertebrate innexin gap junction proteins. <i>Genomics</i> , 2004, 83, 706-716.	1.3	415
5	Towards error-free profiling of immune repertoires. <i>Nature Methods</i> , 2014, 11, 653-655.	9.0	411
6	Photoswitchable cyan fluorescent protein for protein tracking. <i>Nature Biotechnology</i> , 2004, 22, 1435-1439.	9.4	345
7	Kindling fluorescent proteins for precise in vivo photolabeling. <i>Nature Biotechnology</i> , 2003, 21, 191-194.	9.4	304
8	A Novel Method for SNP Detection Using a New Duplex-Specific Nuclease From Crab Hepatopancreas. <i>Genome Research</i> , 2002, 12, 1935-1942.	2.4	221
9	High-quality full-length immunoglobulin profiling with unique molecular barcoding. <i>Nature Protocols</i> , 2016, 11, 1599-1616.	5.5	179
10	Dynamics of Individual T Cell Repertoires: From Cord Blood to Centenarians. <i>Journal of Immunology</i> , 2016, 196, 5005-5013.	0.4	160
11	A strategy for the generation of non-aggregating mutants of Anthozoa fluorescent proteins. <i>FEBS Letters</i> , 2002, 511, 11-14.	1.3	148
12	A colourless green fluorescent protein homologue from the non-fluorescent hydromedusa <i>Aequorea coerulescens</i> and its fluorescent mutants. <i>Biochemical Journal</i> , 2003, 373, 403-408.	1.7	91
13	Quantitative Profiling of Immune Repertoires for Minor Lymphocyte Counts Using Unique Molecular Identifiers. <i>Journal of Immunology</i> , 2015, 194, 6155-6163.	0.4	90
14	The Changing Landscape of Naive T Cell Receptor Repertoire With Human Aging. <i>Frontiers in Immunology</i> , 2018, 9, 1618.	2.2	87
15	Far-red fluorescent tag for protein labelling. <i>Biochemical Journal</i> , 2002, 368, 17-21.	1.7	83
16	Comparative analysis of murine T cell receptor repertoires. <i>Immunology</i> , 2018, 153, 133-144.	2.0	72
17	Method for real-time monitoring of protein degradation at the single cell level. <i>BioTechniques</i> , 2007, 42, 446-450.	0.8	71
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	Thermogenetic neurostimulation with single-cell resolution. <i>Nature Communications</i> , 2017, 8, 15362.	5.8	55
20	Isolation, characterization and molecular cloning of Duplex-Specific Nuclease from the hepatopancreas of the Kamchatka crab. <i>BMC Biochemistry</i> , 2008, 9, 14.	4.4	54
21	SypHer3s: a genetically encoded fluorescent ratiometric probe with enhanced brightness and an improved dynamic range. <i>Chemical Communications</i> , 2018, 54, 2898-2901.	2.2	52
22	Imaging of Intracellular Hydrogen Peroxide Production with Hyper Upon Stimulation of Hela Cells with Egf. <i>Methods in Molecular Biology</i> , 2008, 476, 76-83.	0.4	36
23	Hetero-oligomeric tagging diminishes non-specific aggregation of target proteins fused with Anthozoa fluorescent proteins. <i>Biochemical Journal</i> , 2003, 371, 109-114.	1.7	29
24	Analysis of alternative splicing of cassette exons at single-cell level using two fluorescent proteins. <i>Nucleic Acids Research</i> , 2012, 40, e57-e57.	6.5	27
25	Red fluorescent redox-sensitive biosensor Grx1-roCherry. <i>Redox Biology</i> , 2019, 21, 101071.	3.9	26
26	New Class of Blue Animal Pigments Based on Frizzled and Kringle Protein Domains. <i>Journal of Biological Chemistry</i> , 2004, 279, 43367-43370.	1.6	17
27	Quantitative profiling reveals minor changes of T cell receptor repertoire in response to subunit inactivated influenza vaccine. <i>Vaccine</i> , 2018, 36, 1599-1605.	1.7	17
28	Functionally specialized human CD4+ T-cell subsets express physicochemically distinct TCRs. <i>ELife</i> , 2020, 9, .	2.8	13
29	Genetically Encoded Red Photosensitizers with Enhanced Phototoxicity. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8800.	1.8	8
30	Lysosome-associated miniSOG as a photosensitizer for mammalian cells. <i>BioTechniques</i> , 2016, 61, 92-4.	0.8	7
31	Analysis of Nonsense-Mediated mRNA Decay at the Single-Cell Level Using Two Fluorescent Proteins. <i>Methods in Enzymology</i> , 2016, 572, 291-314.	0.4	6
32	Testing of monoclonal antibodies against the T-cell receptor associated with ankylosing spondylitis. <i>Bulletin of Russian State Medical University</i> , 2018, , 71-79.	0.3	3
33	Generation of Cell Lines Stably Expressing a Fluorescent Reporter of Nonsense-Mediated mRNA Decay Activity. <i>Methods in Molecular Biology</i> , 2018, 1720, 187-204.	0.4	2
34	Imaging of Intracellular Hydrogen Peroxide Production with HyPer upon Stimulation of HeLa Cells with EGF. <i>Methods in Molecular Biology</i> , 2019, 1990, 85-91.	0.4	2
35	Fluorescent Protein-Based Quantification of Alternative Splicing of a Target Cassette Exon in Mammalian Cells. <i>Methods in Enzymology</i> , 2016, 572, 255-268.	0.4	1