Dmitry B Staroverov

List of Publications by Citations

35 papers	4,365 citations	23 h-index	37 g-index
37 ext. papers	5,034 ext. citations	10.7 avg, IF	4.57 L-index

#	Paper	IF	Citations
35	Genetically encoded fluorescent indicator for intracellular hydrogen peroxide. *Nature Methods*, **2006**, 3, 281-6	21.6	946
34	Engineering of a monomeric green-to-red photoactivatable fluorescent protein induced by blue light. *Nature Biotechnology*, **2006**, 24, 461-5	44.5	573
33	A genetically encoded photosensitizer. *Nature Biotechnology*, **2006**, 24, 95-9	44.5	439
32	The mammalian pannexin family is homologous to the invertebrate innexin gap junction proteins. *Genomics*, **2004**, 83, 706-16	4.3	362
31	Photoswitchable cyan fluorescent protein for protein tracking. *Nature Biotechnology*, **2004**, 22, 1435-9	44.5	309
30	Kindling fluorescent proteins for precise in vivo photolabeling. *Nature Biotechnology*, **2003**, 21, 191-4	44.5	278
29	Towards error-free profiling of immune repertoires. *Nature Methods*, **2014**, 11, 653-5	21.6	267
28	A novel method for SNP detection using a new duplex-specific nuclease from crab hepatopancreas. *Genome Research*, **2002**, 12, 1935-42	9.7	192
27	A strategy for the generation of non-aggregating mutants of Anthozoa fluorescent proteins. *FEBS Letters*, **2002**, 511, 11-4	3.8	130
26	High-quality full-length immunoglobulin profiling with unique molecular barcoding. *Nature Protocols*, **2016**, 11, 1599-616	18.8	109
25	Dynamics of Individual T Cell Repertoires: From Cord Blood to Centenarians. *Journal of Immunology* , **2016**, 196, 5005-13	5.3	94
24	A colourless green fluorescent protein homologue from the non-fluorescent hydromedusa Aequorea coerulescens and its fluorescent mutants. *Biochemical Journal*, **2003**, 373, 403-8	3.8	79
23	Far-red fluorescent tag for protein labelling. *Biochemical Journal*, **2002**, 368, 17-21	3.8	75
22	Method for real-time monitoring of protein degradation at the single cell level. *BioTechniques*, **2007** , 42, 446, 448, 450	2.5	67
21	Quantitative profiling of immune repertoires for minor lymphocyte counts using unique molecular identifiers. *Journal of Immunology*, **2015**, 194, 6155-63	5.3	58
20	The Changing Landscape of Naive T Cell Receptor Repertoire With Human Aging. *Frontiers in Immunology*, **2018**, 9, 1618	8.4	58
19	KillerOrange, a Genetically Encoded Photosensitizer Activated by Blue and Green Light. *PLoS ONE*, **2015**, 10, e0145287	3.7	47

18	Isolation, characterization and molecular cloning of duplex-specific nuclease from the hepatopancreas of the Kamchatka crab. *BMC Biochemistry*, **2008**, 9, 14	4.8	45
17	Thermogenetic neurostimulation with single-cell resolution. *Nature Communications*, **2017**, 8, 15362	17.4	42
16	Imaging of intracellular hydrogen peroxide production with HyPer upon stimulation of HeLa cells with epidermal growth factor. *Methods in Molecular Biology*, **2008**, 476, 79-86	1.4	31
15	SypHer3s: a genetically encoded fluorescent ratiometric probe with enhanced brightness and an improved dynamic range. *Chemical Communications*, **2018**, 54, 2898-2901	5.8	29
14	Comparative analysis of murine T-cell receptor repertoires. *Immunology*, **2018**, 153, 133-144	7.8	29
13	Hetero-oligomeric tagging diminishes non-specific aggregation of target proteins fused with Anthozoa fluorescent proteins. *Biochemical Journal*, **2003**, 371, 109-14	3.8	27
12	Analysis of alternative splicing of cassette exons at single-cell level using two fluorescent proteins. *Nucleic Acids Research*, **2012**, 40, e57	20.1	21
11	Red fluorescent redox-sensitive biosensor Grx1-roCherry. *Redox Biology*, **2019**, 21, 101071	11.3	18
10	New class of blue animal pigments based on Frizzled and Kringle protein domains. *Journal of Biological Chemistry*, **2004**, 279, 43367-70	5.4	13
9	Quantitative profiling reveals minor changes of T cell receptor repertoire in response to subunit inactivated influenza vaccine. *Vaccine*, **2018**, 36, 1599-1605	4.1	8
8	Lysosome-associated miniSOG as a photosensitizer for mammalian cells. *BioTechniques*, **2016**, 61, 92-4	2.5	5
7	Analysis of Nonsense-Mediated mRNA Decay at the Single-Cell Level Using Two Fluorescent Proteins. *Methods in Enzymology*, **2016**, 572, 291-314	1.7	4
6	Functionally specialized human CD4 T-cell subsets express physicochemically distinct TCRs. *ELife*, **2020**, 9,	8.9	3
5	Genetically Encoded Red Photosensitizers with Enhanced Phototoxicity. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
4	Imaging of Intracellular Hydrogen Peroxide Production with HyPer upon Stimulation of HeLa Cells with EGF. *Methods in Molecular Biology*, **2019**, 1990, 85-91	1.4	2
3	Testing of monoclonal antibodies against the T-cell receptor associated with ankylosing spondylitis. *Bulletin of Russian State Medical University*, **2018**, 71-79	0.4	1
2	Fluorescent Protein-Based Quantification of Alternative Splicing of a Target Cassette Exon in Mammalian Cells. *Methods in Enzymology*, **2016**, 572, 255-68	1.7	
1	Generation of Cell Lines Stably Expressing a Fluorescent Reporter of Nonsense-Mediated mRNA Decay Activity. *Methods in Molecular Biology*, **2018**, 1720, 187-204	1.4	