Konstantin A Lukyanov

List of Publications by Year in Descending Order

161 papers	16,081 citations	52 h-index	126 g-index
191 ext. papers	17,664 ext. citations	7.8 avg, IF	6.17 L-index

#	Paper	IF	Citations
161	Insight into redox regulation of apoptosis in cancer cells with multiparametric live-cell microscopy.. *Scientific Reports*, **2022**, 12, 4476	4.9	0
160	Persistence of plasmids targeted by CRISPR interference in bacterial populations.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2114905119	11.5	
159	Computational redesign of a fluorogen activating protein with Rosetta. *PLoS Computational Biology* , **2021**, 17, e1009555	5	
158	Molecular Tools for Targeted Control of Nerve Cell Electrical Activity. Part I. *Acta Naturae*, **2021**, 13, 52-64	2.1	1
157	Transient Fluorescence Labeling: Low Affinity-High Benefits. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
156	FLIM Indicators for Quantitative Measurement of pH. *Engineering Proceedings*, **2021**, 6, 33	0.5	
155	Chromophore reduction plus reversible photobleaching: how the mKate2 "photoconversion" works. *Photochemical and Photobiological Sciences*, **2021**, 20, 791-803	4.2	1
154	Impacts of OrX and cAMP-insensitive Orco to the insect olfactory heteromer activity. *Molecular Biology Reports*, **2021**, 48, 4549-4561	2.8	0
153	Studying SARS-CoV-2 with Fluorescence Microscopy. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	6
152	Amino acid residue at the 165th position tunes EYFP chromophore maturation. A structure-based design. *Computational and Structural Biotechnology Journal*, **2021**, 19, 2950-2959	6.8	
151	FUCCI-Red: a single-color cell cycle indicator for fluorescence lifetime imaging. *Cellular and Molecular Life Sciences*, **2021**, 78, 3467-3476	10.3	3
150	PDT with genetically encoded photosensitizer miniSOG on a tumor spheroid model: A comparative study of continuous-wave and pulsed irradiation. *Biochimica Et Biophysica Acta - General Subjects*, **2021**, 1865, 129978	4	1
149	Molecular Tools for Targeted Control of Nerve Cell Electrical Activity. Part II.. *Acta Naturae*, **2021**, 13, 17-32	2.1	2
148	Fluorescein Derivatives as Antibacterial Agents Acting via Membrane Depolarization. *Biomolecules*, **2020**, 10,	5.9	9
147	Increasing the Fluorescence Brightness of Superphotostable EGFP Mutant by Introducing Mutations That Block Chromophore Protonation. *Russian Journal of Bioorganic Chemistry*, **2020**, 46, 1229-1241	1	0
146	Highly photostable fluorescent labeling of proteins in live cells using exchangeable coiled coils heterodimerization. *Cellular and Molecular Life Sciences*, **2020**, 77, 4429-4440	10.3	7
145	Genetically Encoded Fluorescent Sensor for Poly-ADP-Ribose. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3

144	Genetically Encoded Red Photosensitizers with Enhanced Phototoxicity. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3
143	A General Mechanism of Green-to-Red Photoconversions of GFP. *Frontiers in Molecular Biosciences*, **2020**, 7, 176	5.6	2
142	Microscopic model of optical potential for testing the 12,14Be+p elastic scattering at 700 Mev. *EPJ Web of Conferences*, **2019**, 204, 09003	0.3	2
141	Artificial Electron-transport Chains Based on Green Fluorescent Protein. *Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)*, **2019**, 126, 102-105	0.7	1
140	Red Fluorescent Genetically Encoded Voltage Indicators with Millisecond Responsiveness. *Sensors*, **2019**, 19,	3.8	2
139	Influence of the First Chromophore-Forming Residue on Photobleaching and Oxidative Photoconversion of EGFP and EYFP. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	5
138	The Jellyfish Aequorea and Other Luminous Coelenterates **2019**, 95-175		
137	Spotlight on bioluminescence research. *Biochemical and Biophysical Research Communications*, **2019** , 520, 683-684	3.4	
136	A genetically encoded fluorescent probe for imaging of oxygenation gradients in living. *Development (Cambridge)*, **2018**, 145,	6.6	8
135	A water-soluble precursor for efficient silica polymerization by silicateins. *Biochemical and Biophysical Research Communications*, **2018**, 495, 2066-2070	3.4	3
134	Fluorescence time-resolved macroimaging. *Optics Letters*, **2018**, 43, 3152-3155	3	20
133	Fast reversibly photoswitching red fluorescent proteins for live-cell RESOLFT nanoscopy. *Nature Methods*, **2018**, 15, 601-604	21.6	40
132	Multiparametric analysis of cisplatin-induced changes in cancer cells using FLIM **2018**,		1
131	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	
130	Sensors for Caspase Activities. *Russian Journal of Bioorganic Chemistry*, **2018**, 44, 645-652	1	2
129	Efficient silica synthesis from tetra(glycerol)orthosilicate with cathepsin- and silicatein-like proteins. *Scientific Reports*, **2018**, 8, 16759	4.9	4
128	Live-cell nanoscopy enabled with transient labeling and the control of fluorophore blinking. *EPJ Web of Conferences*, **2018**, 190, 03008	0.3	
127	Bright GFP with subnanosecond fluorescence lifetime. *Scientific Reports*, **2018**, 8, 13224	4.9	18

126	Relationship between intracellular pH, metabolic co-factors and caspase-3 activation in cancer cells during apoptosis. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2017**, 1864, 604-611	4.9	48
125	Yellow and Orange Fluorescent Proteins with Tryptophan-based Chromophores. *ACS Chemical Biology*, **2017**, 12, 1867-1873	4.9	6
124	Fluorophores for single-molecule localization microscopy. *Russian Journal of Bioorganic Chemistry*, **2017**, 43, 227-234	1	3
123	Intrinsic blinking of red fluorescent proteins for super-resolution microscopy. *Chemical Communications*, **2017**, 53, 949-951	5.8	8
122	Fluorescent protein Dendra2 as a ratiometric genetically encoded pH-sensor. *Biochemical and Biophysical Research Communications*, **2017**, 493, 1518-1521	3.4	18
121	Insertion of the voltage-sensitive domain into circularly permuted red fluorescent protein as a design for genetically encoded voltage sensor. *PLoS ONE*, **2017**, 12, e0184225	3.7	13
120	Protein labeling for live cell fluorescence microscopy with a highly photostable renewable signal. *Chemical Science*, **2017**, 8, 7138-7142	9.4	50
119	Green fluorescent protein with tryptophan-based chromophore stable at low pH. *Russian Journal of Bioorganic Chemistry*, **2017**, 43, 220-222	1	1
118	Photoinduced Chemistry in Fluorescent Proteins: Curse or Blessing?. *Chemical Reviews*, **2017**, 117, 758-795	55.1	154
117	Struggle for photostability: Bleaching mechanisms of fluorescent proteins. *Russian Journal of Bioorganic Chemistry*, **2017**, 43, 625-633	1	8
116	Functioning of Fluorescent Proteins in Aggregates in Anthozoa Species and in Recombinant Artificial Models. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	1
115	Green-to-red primed conversion of Dendra2 using blue and red lasers. *Chemical Communications*, **2016**, 52, 13144-13146	5.8	20
114	Turning On and Off Photoinduced Electron Transfer in Fluorescent Proteins by π-Stacking, Halide Binding, and Tyr145 Mutations. *Journal of the American Chemical Society*, **2016**, 138, 4807-17	16.4	44
113	Docking-guided identification of protein hosts for GFP chromophore-like ligands. *Journal of Materials Chemistry C*, **2016**, 4, 3036-3040	7.1	26
112	Green Fluorescence of Cytaeis Hydroids Living in Association with Nassarius Gastropods in the Red Sea. *PLoS ONE*, **2016**, 11, e0146861	3.7	6
111	Immunotherapy of Cancer (Review). *Sovremennye Tehnologii V Medicine*, **2016**, 8, 173-182	1.2	3
110	The Principles of Super-Resolution Fluorescence Microscopy (Review). *Sovremennye Tehnologii V Medicine*, **2016**, 8, 130-140	1.2	5
109	Fluorescence Imaging of Actin Fine Structure in Tumor Tissues Using SiR-Actin Staining. *Anticancer Research*, **2016**, 36, 5287-5294	2.3	2

108	Lysosome-associated miniSOG as a photosensitizer for mammalian cells. *BioTechniques*, **2016**, 61, 92-4	2.5	5
107	Genetically encoded far-red fluorescent sensors for caspase-3 activity. *BioTechniques*, **2016**, 60, 62-8	2.5	30
106	Bimolecular fluorescence complementation based on the red fluorescent protein FusionRed. *Russian Journal of Bioorganic Chemistry*, **2016**, 42, 619-623	1	2
105	Three-dimensional structure of a pH-dependent fluorescent protein WasCFP with a tryptophan based deprotonated chromophore. *Russian Journal of Bioorganic Chemistry*, **2016**, 42, 612-618	1	1
104	Noggin4 is a long-range inhibitor of Wnt8 signalling that regulates head development in Xenopus laevis. *Scientific Reports*, **2016**, 6, 23049	4.9	21
103	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
102	Local fitness landscape of the green fluorescent protein. *Nature*, **2016**, 533, 397-401	50.4	232
101	Fluorescent Protein-Based Quantification of Alternative Splicing of a Target Cassette Exon in Mammalian Cells. *Methods in Enzymology*, **2016**, 572, 255-68	1.7	
100	Structure of the green fluorescent protein NowGFP with an anionic tryptophan-based chromophore. *Acta Crystallographica Section D: Biological Crystallography*, **2015**, 71, 1699-707		8
99	Green fluorescent protein with anionic tryptophan-based chromophore and long fluorescence lifetime. *Biophysical Journal*, **2015**, 109, 380-9	2.9	36
98	Fluorescence imaging using synthetic GFP chromophores. *Current Opinion in Chemical Biology*, **2015** , 27, 64-74	9.7	96
97	CT26 murine colon carcinoma expressing the red fluorescent protein KillerRed as a highly immunogenic tumor model. *Journal of Biomedical Optics*, **2015**, 20, 88002	3.5	6
96	KillerOrange, a Genetically Encoded Photosensitizer Activated by Blue and Green Light. *PLoS ONE*, **2015**, 10, e0145287	3.7	47
95	Towards PDT with Genetically Encoded Photosensitizer KillerRed: A Comparison of Continuous and Pulsed Laser Regimens in an Animal Tumor Model. *PLoS ONE*, **2015**, 10, e0144617	3.7	13
94	Crystal Structure of Phototoxic Orange Fluorescent Proteins with a Tryptophan-Based Chromophore. *PLoS ONE*, **2015**, 10, e0145740	3.7	17
93	Common fluorescent proteins for single-molecule localization microscopy **2015**,		1
92	Influence of cell growth conditions and medium composition on EGFP photostability in live cells. *BioTechniques*, **2015**, 58, 258-61	2.5	10
91	Comparative study reveals better far-red fluorescent protein for whole body imaging. *Scientific Reports*, **2015**, 5, 10332	4.9	28

90	Novel uses of fluorescent proteins. *Current Opinion in Chemical Biology*, **2015**, 27, 1-9	9.7	77
89	Method for quantitative analysis of nonsense-mediated mRNA decay at the single cell level. *Scientific Reports*, **2015**, 5, 7729	4.9	31
88	Modern Research Techniques of Apoptotic Cell Death (Review). *Sovremennye Tehnologii V Medicine*, **2015**, 7, 172-182	1.2	4
87	Red-shifted fluorescent aminated derivatives of a conformationally locked GFP chromophore. *Chemistry - A European Journal*, **2014**, 20, 13234-41	4.8	56
86	Steady-state and time-resolved spectroscopic studies of green-to-red photoconversion of fluorescent protein Dendra2. *Journal of Photochemistry and Photobiology A: Chemistry*, **2014**, 280, 5-13	4.7	10
85	Genetically encoded fluorescent redox sensors. *Biochimica Et Biophysica Acta - General Subjects*, **2014**, 1840, 745-56	4	138
84	Phototoxic effects of lysosome-associated genetically encoded photosensitizer KillerRed. *Journal of Biomedical Optics*, **2014**, 19, 071403	3.5	25
83	Phototoxic effects of fluorescent protein KillerRed on tumor cells in mice. *Journal of Biophotonics*, **2013**, 6, 283-90	3.1	41
82	Flavoprotein miniSOG as a genetically encoded photosensitizer for cancer cells. *Biochimica Et Biophysica Acta - General Subjects*, **2013**, 1830, 5059-67	4	56
81	Efficient Synthetic Approach to Fluorescent Oxazole-4-carboxylate Derivatives. *Synthetic Communications*, **2013**, 43, 2337-2342	1.7	7
80	A synthetic approach to GFP chromophore analogs from 3-azidocinnamates. Role of methyl rotors in chromophore photophysics. *Chemical Communications*, **2013**, 49, 5778-80	5.8	24
79	Structure of the red fluorescent protein from a lancelet (Branchiostoma lanceolatum): a novel GYG chromophore covalently bound to a nearby tyrosine. *Acta Crystallographica Section D: Biological Crystallography*, **2013**, 69, 1850-60		13
78	Tryptophan-based chromophore in fluorescent proteins can be anionic. *Scientific Reports*, **2012**, 2, 608	4.9	29
77	Anti-fading media for live cell GFP imaging. *PLoS ONE*, **2012**, 7, e53004	3.7	42
76	Conformationally locked chromophores as models of excited-state proton transfer in fluorescent proteins. *Journal of the American Chemical Society*, **2012**, 134, 6025-32	16.4	136
75	Analysis of alternative splicing of cassette exons at single-cell level using two fluorescent proteins. *Nucleic Acids Research*, **2012**, 40, e57	20.1	21
74	Green-red flashers to accelerate biology. *Chemistry and Biology*, **2011**, 18, 1202-4		0
73	A synthetic GFP-like chromophore undergoes base-catalyzed autoxidation into acylimine red form. *Journal of Organic Chemistry*, **2011**, 76, 2782-91	4.2	18

72	Light-induced blockage of cell division with a chromatin-targeted phototoxic fluorescent protein. *Biochemical Journal*, **2011**, 435, 65-71	3.8	37
71	Near-infrared fluorescent proteins. *Nature Methods*, **2010**, 7, 827-9	21.6	184
70	Structural evidence for a dehydrated intermediate in green fluorescent protein chromophore biosynthesis. *Journal of Biological Chemistry*, **2010**, 285, 15978-84	5.4	23
69	Fluorescent proteins and their applications in imaging living cells and tissues. *Physiological Reviews*, **2010**, 90, 1103-63	47.9	956
68	Fluorescent proteins as light-inducible photochemical partners. *Photochemical and Photobiological Sciences*, **2010**, 9, 1301-6	4.2	37
67	Red fluorescent protein with reversibly photoswitchable absorbance for photochromic FRET. *Chemistry and Biology*, **2010**, 17, 745-55		113
66	Structural basis for phototoxicity of the genetically encoded photosensitizer KillerRed. *Journal of Biological Chemistry*, **2009**, 284, 32028-39	5.4	102
65	Targeting cancer cells by using an antireceptor antibody-photosensitizer fusion protein. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 9221-5	11.5	118
64	Green fluorescent proteins are light-induced electron donors. *Nature Chemical Biology*, **2009**, 5, 459-61	11.7	156
63	Cell culture medium affects GFP photostability: a solution. *Nature Methods*, **2009**, 6, 859-60	21.6	61
62	Synthesis and spectral and chemical properties of the yellow fluorescent protein zFP538 chromophore. *Biochemistry*, **2009**, 48, 8077-82	3.2	20
61	Intra-axonal translation and retrograde trafficking of CREB promotes neuronal survival. *Nature Cell Biology*, **2008**, 10, 149-59	23.4	219
60	The first mutant of the Aequorea victoria green fluorescent protein that forms a red chromophore. *Biochemistry*, **2008**, 47, 4666-73	3.2	58
59	Synthesis and properties of the red chromophore of the green-to-red photoconvertible fluorescent protein Kaede and its analogs. *Bioorganic Chemistry*, **2008**, 36, 96-104	5.1	40
58	Selective Suppression of Polymerase Chain Reaction and Its Most Popular Applications **2007**, 29-51		
57	Using photoactivatable fluorescent protein Dendra2 to track protein movement. *BioTechniques*, **2007**, 42, 553, 555, 557 passim	2.5	94
56	Method for real-time monitoring of protein degradation at the single cell level. *BioTechniques*, **2007** , 42, 446, 448, 450	2.5	67
55	Bright monomeric red fluorescent protein with an extended fluorescence lifetime. *Nature Methods*, **2007**, 4, 555-7	21.6	486

54	Bright far-red fluorescent protein for whole-body imaging. *Nature Methods*, **2007**, 4, 741-6	21.6	508
53	Tracking intracellular protein movements using photoswitchable fluorescent proteins PS-CFP2 and Dendra2. *Nature Protocols*, **2007**, 2, 2024-32	18.8	214
52	Engineering of a monomeric green-to-red photoactivatable fluorescent protein induced by blue light. *Nature Biotechnology*, **2006**, 24, 461-5	44.5	573
51	Fast and precise protein tracking using repeated reversible photoactivation. *Traffic*, **2006**, 7, 1304-10	5.7	23
50	A genetically encoded photosensitizer. *Nature Biotechnology*, **2006**, 24, 95-9	44.5	439
49	Chromophore-assisted light inactivation (CALI) using the phototoxic fluorescent protein KillerRed. *Nature Protocols*, **2006**, 1, 947-53	18.8	154
48	Structural basis for the fast maturation of Arthropoda green fluorescent protein. *EMBO Reports*, **2006**, 7, 1006-12	6.5	84
47	Femtosecond study of light-induced fluorescence increase of the dark chromoprotein asFP595. *Chemical Physics*, **2006**, 323, 149-160	2.3	34
46	Genetically encoded fluorescent indicator for intracellular hydrogen peroxide. *Nature Methods*, **2006**, 3, 281-6	21.6	946
45	Discovery and properties of GFP-like proteins from nonbioluminescent anthozoa. *Methods of Biochemical Analysis*, **2006**, 47, 121-38		4
44	Discovery and Properties of GFP-Like Proteins from Nonbioluminescent Anthozoa. *Methods of Biochemical Analysis*, **2005**, 121-138		6
43	Far-red fluorescent proteins evolved from a blue chromoprotein from Actinia equina. *Biochemical Journal*, **2005**, 392, 649-54	3.8	73
42	zFP538, a yellow-fluorescent protein from Zoanthus, contains a novel three-ring chromophore. *Biochemistry*, **2005**, 44, 202-12	3.2	123
41	Synthesis and properties of the chromophore of the asFP595 chromoprotein from Anemonia sulcata. *Biochemistry*, **2005**, 44, 5788-93	3.2	63
40	Innovation: Photoactivatable fluorescent proteins. *Nature Reviews Molecular Cell Biology*, **2005**, 6, 885-91	18.7	411
39	Fluorescent proteins as a toolkit for in vivo imaging. *Trends in Biotechnology*, **2005**, 23, 605-13	15.1	384
38	Spectral diversity among members of the green fluorescent protein family in hydroid jellyfish (Cnidaria, Hydrozoa). *Russian Journal of Bioorganic Chemistry*, **2005**, 31, 43-47	1	5
37	GFP-like proteins as ubiquitous metazoan superfamily: evolution of functional features and structural complexity. *Molecular Biology and Evolution*, **2004**, 21, 841-50	8.3	325

36	Bidirectional increase in permeability of nuclear envelope upon poliovirus infection and accompanying alterations of nuclear pores. *Journal of Virology*, **2004**, 78, 10166-77	6.6	92
35	New class of blue animal pigments based on Frizzled and Kringle protein domains. *Journal of Biological Chemistry*, **2004**, 279, 43367-70	5.4	13
34	Photoswitchable cyan fluorescent protein for protein tracking. *Nature Biotechnology*, **2004**, 22, 1435-9	44.5	309
33	The molecular properties and applications of Anthozoa fluorescent proteins and chromoproteins. *Nature Biotechnology*, **2004**, 22, 289-96	44.5	278
32	Common pathway for the red chromophore formation in fluorescent proteins and chromoproteins. *Chemistry and Biology*, **2004**, 11, 845-54		91
31	Fluorescence enhancement of asCP595 is due to consecutive absorbance of two photons **2004**, 5329, 73		
30	Chromophore environment provides clue to "kindling fluorescent protein" riddle. *Journal of Biological Chemistry*, **2003**, 278, 7215-9	5.4	122
29	Hetero-oligomeric tagging diminishes non-specific aggregation of target proteins fused with Anthozoa fluorescent proteins. *Biochemical Journal*, **2003**, 371, 109-14	3.8	27
28	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
27	A Natural Fluorescent Protein That Changes Its Fluorescence Color during Maturation. *Russian Journal of Bioorganic Chemistry*, **2003**, 29, 325-329	1	1
26	Use of green fluorescent protein (GFP) and its homologs for in vivo protein motility studies. *Biochemistry (Moscow)*, **2003**, 68, 952-7	2.9	9
25	Kindling fluorescent proteins for precise in vivo photolabeling. *Nature Biotechnology*, **2003**, 21, 191-4	44.5	278
24	Family of the green fluorescent protein: journey to the end of the rainbow. *BioEssays*, **2002**, 24, 953-9	4.1	122
23	Interconversion of Anthozoa GFP-like fluorescent and non-fluorescent proteins by mutagenesis. *BMC Biochemistry*, **2002**, 3, 7	4.8	43
22	Key Amino Acid Residues Responsible for the Color of Green and Yellow Fluorescent Proteins from the Coral Polyp Zoanthus sp.. *Russian Journal of Bioorganic Chemistry*, **2002**, 28, 274-277	1	
21	A strategy for the generation of non-aggregating mutants of Anthozoa fluorescent proteins. *FEBS Letters*, **2002**, 511, 11-4	3.8	130
20	Diversity and evolution of the green fluorescent protein family. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 4256-61	11.5	294
19	Identification and characterization of a new family of C-type lectin-like genes from planaria Girardia tigrina. *Glycobiology*, **2002**, 12, 463-72	5.8	23

18	Far-red fluorescent tag for protein labelling. *Biochemical Journal*, **2002**, 368, 17-21	3.8	75
17	Color transitions in coralR fluorescent proteins by site-directed mutagenesis. *BMC Biochemistry*, **2001**, 2, 6	4.8	40
16	Alternative cyclization in GFP-like proteins family. The formation and structure of the chromophore of a purple chromoprotein from Anemonia sulcata. *Journal of Biological Chemistry*, **2001**, 276, 21012-6	5.4	38
15	GFP-like chromoproteins as a source of far-red fluorescent proteins. *FEBS Letters*, **2001**, 507, 16-20	3.8	198
14	A ubiquitous family of putative gap junction molecules. *Current Biology*, **2000**, 10, R473-4	6.3	390
13	Natural animal coloration can Be determined by a nonfluorescent green fluorescent protein homolog. *Journal of Biological Chemistry*, **2000**, 275, 25879-82	5.4	261
12	Mirror orientation selection (MOS): a method for eliminating false positive clones from libraries generated by suppression subtractive hybridization. *Nucleic Acids Research*, **2000**, 28, E90	20.1	99
11	Regulation of average length of complex PCR product. *Nucleic Acids Research*, **1999**, 27, e23	20.1	42
10	Sequence-independent method for in vitro generation of nested deletions for sequencing large DNA fragments. *Analytical Biochemistry*, **1998**, 258, 138-41	3.1	4
9	Construction of cDNA libraries from small amounts of total RNA using the suppression PCR effect. *Biochemical and Biophysical Research Communications*, **1997**, 230, 285-8	3.4	37
8	Suppression subtractive hybridization: a method for generating differentially regulated or tissue-specific cDNA probes and libraries. *Proceedings of the National Academy of Sciences of the United States of America*, **1996**, 93, 6025-30	11.5	2618
7	Equalizing cDNA subtraction based on selective suppression of polymerase chain reaction: cloning of Jurkat cell transcripts induced by phytohemaglutinin and phorbol 12-myristate 13-acetate. *Analytical Biochemistry*, **1996**, 240, 90-7	3.1	223
6	Molecule by molecule PCR amplification of complex DNA mixtures for direct sequencing: an approach to in vitro cloning. *Nucleic Acids Research*, **1996**, 24, 2194-5	20.1	34
5	An improved PCR method for walking in uncloned genomic DNA. *Nucleic Acids Research*, **1995**, 23, 1087-8	20.1	898
4	Detection of planarian Antennapedia-like homeobox genes expressed during regeneration. *Gene*, **1995**, 158, 197-202	3.8	22
3	Inverted terminal repeats permit the average length of amplified DNA fragments to be regulated during preparation of cDNA libraries by polymerase chain reaction. *Analytical Biochemistry*, **1995**, 229, 198-202	3.1	44
2	Transducin GTPase provides for rapid quenching of the cGMP cascade in rod outer segments. *FEBS Letters*, **1989**, 250, 353-6	3.8	68
1	Novel fluorescent proteins: diversity, mutagenesis and applications2004,		3