Grazvydas Lukinavicius

List of Publications by Citations

36 papers	2,629 citations	20 h-index	45 g-index
45 ext. papers	3,274 ext. citations	11.1 avg, IF	4.9 L-index

#	Paper	IF	Citations
36	A near-infrared fluorophore for live-cell super-resolution microscopy of cellular proteins. *Nature Chemistry*, **2013**, 5, 132-9	17.6	607
35	Fluorogenic probes for live-cell imaging of the cytoskeleton. *Nature Methods*, **2014**, 11, 731-3	21.6	507
34	Direct transfer of extended groups from synthetic cofactors by DNA methyltransferases. *Nature Chemical Biology*, **2006**, 2, 31-2	11.7	176
33	SiR-Hoechst is a far-red DNA stain for live-cell nanoscopy. *Nature Communications*, **2015**, 6, 8497	17.4	171
32	Fluorogenic Probes for Multicolor Imaging in Living Cells. *Journal of the American Chemical Society*, **2016**, 138, 9365-8	16.4	149
31	Cytosine-5-methyltransferases add aldehydes to DNA. *Nature Chemical Biology*, **2009**, 5, 400-2	11.7	121
30	Targeted labeling of DNA by methyltransferase-directed transfer of activated groups (mTAG). *Journal of the American Chemical Society*, **2007**, 129, 2758-9	16.4	95
29	Synthesis of S-adenosyl-L-methionine analogs and their use for sequence-specific transalkylation of DNA by methyltransferases. *Nature Protocols*, **2006**, 1, 1879-86	18.8	80
28	Selective chemical crosslinking reveals a Cep57-Cep63-Cep152 centrosomal complex. *Current Biology*, **2013**, 23, 265-70	6.3	78
27	Cell-Permeant Large Stokes Shift Dyes for Transfection-Free Multicolor Nanoscopy. *Journal of the American Chemical Society*, **2017**, 139, 12378-12381	16.4	77
26	The Use of Hoechst Dyes for DNA Staining and beyond. *Chemosensors*, **2018**, 6, 18	4	63
25	Selective cross-linking of interacting proteins using self-labeling tags. *Journal of the American Chemical Society*, **2009**, 131, 17954-62	16.4	57
24	Triarylmethane Fluorophores Resistant to Oxidative Photobluing. *Journal of the American Chemical Society*, **2019**, 141, 981-989	16.4	55
23	Fluorescent dyes and probes for super-resolution microscopy of microtubules and tracheoles in living cells and tissues. *Chemical Science*, **2018**, 9, 3324-3334	9.4	47
22	Rhodamine-Hoechst positional isomers for highly efficient staining of heterochromatin. *Chemical Science*, **2019**, 10, 1962-1970	9.4	43
21	Enhanced chemical stability of adomet analogues for improved methyltransferase-directed labeling of DNA. *ACS Chemical Biology*, **2013**, 8, 1134-9	4.9	43
20	Engineering the DNA cytosine-5 methyltransferase reaction for sequence-specific labeling of DNA. *Nucleic Acids Research*, **2012**, 40, 11594-602	20.1	37

19	Switchable fluorophores for protein labeling in living cells. *Current Opinion in Chemical Biology*, **2011**, 15, 768-74	9.7	30
18	Substrates for improved live-cell fluorescence labeling of SNAP-tag. *Current Pharmaceutical Design*, **2013**, 19, 5414-20	3.3	26
17	Parental genome unification is highly error-prone in mammalian embryos. *Cell*, **2021**, 184, 2860-2877.e22	36.2	21
16	Targeted photoswitchable probe for nanoscopy of biological structures. *ChemBioChem*, **2010**, 11, 1361-3	3.8	17
15	Enhancing the biocompatibility of rhodamine fluorescent probes by a neighbouring group effect. *Chemical Science*, **2020**, 11, 7313-7323	9.4	14
14	Fluorescent labeling of SNAP-tagged proteins in cells. *Methods in Molecular Biology*, **2015**, 1266, 107-18	1.4	14
13	Application of STED imaging for chromatin studies. *Journal Physics D: Applied Physics*, **2019**, 52, 504003	3	13
12	Reduced dyes enhance single-molecule localization density for live superresolution imaging. *ChemPhysChem*, **2014**, 15, 750-5	3.2	13
11	Visualizing biochemical activities in living cells through chemistry. *Chimia*, **2011**, 65, 868-71	1.3	13
10	Fluorescence microscopy: strategic blinking. *Nature Chemistry*, **2014**, 6, 663-4	17.6	12
9	Efflux pump insensitive rhodamine-jasplakinolide conjugates for G- and F-actin imaging in living cells. *Organic and Biomolecular Chemistry*, **2020**, 18, 2929-2937	3.9	10
8	Commercial Cdk1 antibodies recognize the centrosomal protein Cep152. *BioTechniques*, **2013**, 55, 111-4	2.5	8
7	High-Affinity Functional Fluorescent Ligands for Human Adrenoceptors. *Scientific Reports*, **2017**, 7, 12319	4.9	7
6	Mechanism of spindle pole organization and instability in human oocytes.. *Science*, **2022**, 375, eabj3944	33.3	7
5	Far-red switching DNA probes for live cell nanoscopy. *Chemical Communications*, **2020**, 56, 14797-14800	5.8	5
4	Blinking Fluorescent Probes for Tubulin Nanoscopy in Living and Fixed Cells. *ACS Chemical Biology*, **2021**, 16, 2130-2136	4.9	4
3	Inside a Shell-Organometallic Catalysis Inside Encapsulin Nanoreactors. *Angewandte Chemie - International Edition*, **2021**, 60, 23835-23841	16.4	4
2	Inside a Shell Organometallic Catalysis Inside Encapsulin Nanoreactors. *Angewandte Chemie*, **2021**, 133, 24028	3.6	2

1 AdoMet-Dependent Methyltransferases, Chemistry of **2008**, 1 1