

# Yulia G Ermakova

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6711833/publications.pdf>

Version: 2024-02-01

21  
papers

1,227  
citations

516710

16  
h-index

713466

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1874  
citing authors

#	ARTICLE	IF	CITATIONS
1	HyPer-3: A Genetically Encoded H <sub>2</sub> O <sub>2</sub> Probe with Improved Performance for Ratiometric and Fluorescence Lifetime Imaging. ACS Chemical Biology, 2013, 8, 535-542.	3.4	224
2	Red fluorescent genetically encoded indicator for intracellular hydrogen peroxide. Nature Communications, 2014, 5, 5222.	12.8	207
3	Ultrasensitive Genetically Encoded Indicator for Hydrogen Peroxide Identifies Roles for the Oxidant in Cell Migration and Mitochondrial Function. Cell Metabolism, 2020, 31, 642-653.e6.	16.2	202
4	The "mitoflash"™ probe cpYFP does not respond to superoxide. Nature, 2014, 514, E12-E14.	27.8	109
5	Fluorescent ratiometric pH indicator SypHer2: Applications in neuroscience and regenerative biology. Biochimica Et Biophysica Acta - General Subjects, 2015, 1850, 2318-2328.	2.4	72
6	Thermogenetic neurostimulation with single-cell resolution. Nature Communications, 2017, 8, 15362.	12.8	55
7	SypHer3s: a genetically encoded fluorescent ratiometric probe with enhanced brightness and an improved dynamic range. Chemical Communications, 2018, 54, 2898-2901.	4.1	52
8	Fiber-optic control and thermometry of single-cell thermosensation logic. Scientific Reports, 2015, 5, 15737.	3.3	45
9	Which Antioxidant System Shapes Intracellular H <sub>2</sub> O <sub>2</sub> Gradients?. Antioxidants and Redox Signaling, 2019, 31, 664-670.	5.4	42
10	Pyridinium Analogues of Green Fluorescent Protein Chromophore: Fluorogenic Dyes with Large Solvent-Dependent Stokes Shift. Journal of Physical Chemistry Letters, 2018, 9, 1958-1963.	4.6	37
11	Fiber-optic electron-spin-resonance thermometry of single laser-activated neurons. Optics Letters, 2016, 41, 5563.	3.3	27
12	Red fluorescent redox-sensitive biosensor Grx1-roCherry. Redox Biology, 2019, 21, 101071.	9.0	26
13	Slowly Reducible Genetically Encoded Green Fluorescent Indicator for In Vivo and Ex Vivo Visualization of Hydrogen Peroxide. International Journal of Molecular Sciences, 2019, 20, 3138.	4.1	24
14	Microwave-induced thermogenetic activation of single cells. Applied Physics Letters, 2015, 106, .	3.3	22
15	In vivo dynamics of acidosis and oxidative stress in the acute phase of an ischemic stroke in a rodent model. Redox Biology, 2021, 48, 102178.	9.0	22
16	Two- and three-photon absorption cross-section characterization for high-brightness, cell-specific multiphoton fluorescence brain imaging. Journal of Biophotonics, 2020, 13, e201900243.	2.3	18
17	Pyridine analogue of fluorescent protein chromophore: Fluorogenic dye suitable for mitochondria staining. Dyes and Pigments, 2019, 170, 107550.	3.7	15
18	Nitrobenzyl-based fluorescent photocages for spatial and temporal control of signalling lipids in cells. Chemical Communications, 2019, 55, 12288-12291.	4.1	13

#	ARTICLE	IF	CITATIONS
19	Thermogenetic stimulation of single neocortical pyramidal neurons transfected with TRPV1-L channels. <i>Neuroscience Letters</i> , 2018, 687, 153-157.	2.1	6
20	Visualization of Intracellular Hydrogen Peroxide with the Genetically Encoded Fluorescent Probe HyPer in NIH-3T3 Cells. <i>Methods in Molecular Biology</i> , 2019, 1982, 259-274.	0.9	5
21	Membrane-Permeant, Bioactivatable Coumarin Derivatives for In-Cell Labelling. <i>ChemBioChem</i> , 2022, 23, e202100699.	2.6	4