

# 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

516215

16  
h-index

713013

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. <i>ACS Chemical Biology</i> , 2013, 8, 535-542.	1.6	224
2	Red fluorescent genetically encoded indicator for intracellular hydrogen peroxide. <i>Nature Communications</i> , 2014, 5, 5222.	5.8	207
3	Ultrasensitive Genetically Encoded Indicator for Hydrogen Peroxide Identifies Roles for the Oxidant in Cell Migration and Mitochondrial Function. <i>Cell Metabolism</i> , 2020, 31, 642-653.e6.	7.2	202
4	The "mitoflash"™ probe cpYFP does not respond to superoxide. <i>Nature</i> , 2014, 514, E12-E14.	13.7	109
5	Fluorescent ratiometric pH indicator SypHer2: Applications in neuroscience and regenerative biology. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 2318-2328.	1.1	72
6	Thermogenetic neurostimulation with single-cell resolution. <i>Nature Communications</i> , 2017, 8, 15362.	5.8	55
7	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
8	Fiber-optic control and thermometry of single-cell thermosensation logic. <i>Scientific Reports</i> , 2015, 5, 15737.	1.6	45
9	Which Antioxidant System Shapes Intracellular H <sub>2</sub> O <sub>2</sub> Gradients?. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 664-670.	2.5	42
10	Pyridinium Analogues of Green Fluorescent Protein Chromophore: Fluorogenic Dyes with Large Solvent-Dependent Stokes Shift. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 1958-1963.	2.1	37
11	Fiber-optic electron-spin-resonance thermometry of single laser-activated neurons. <i>Optics Letters</i> , 2016, 41, 5563.	1.7	27
12	Red fluorescent redox-sensitive biosensor Grx1-roCherry. <i>Redox Biology</i> , 2019, 21, 101071.	3.9	26
13	Slowly Reducible Genetically Encoded Green Fluorescent Indicator for In Vivo and Ex Vivo Visualization of Hydrogen Peroxide. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3138.	1.8	24
14	Microwave-induced thermogenetic activation of single cells. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	22
15	In vivo dynamics of acidosis and oxidative stress in the acute phase of an ischemic stroke in a rodent model. <i>Redox Biology</i> , 2021, 48, 102178.	3.9	22
16	Two- and three-photon absorption cross-section characterization for high-brightness, cell-specific multiphoton fluorescence brain imaging. <i>Journal of Biophotonics</i> , 2020, 13, e201900243.	1.1	18
17	Pyridine analogue of fluorescent protein chromophore: Fluorogenic dye suitable for mitochondria staining. <i>Dyes and Pigments</i> , 2019, 170, 107550.	2.0	15
18	Nitrobenzyl-based fluorescent photocages for spatial and temporal control of signalling lipids in cells. <i>Chemical Communications</i> , 2019, 55, 12288-12291.	2.2	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.	1.0	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.	0.4	5
21	Membrane-Permeant, Bioactivatable Coumarin Derivatives for In-Cell Labelling. <i>ChemBioChem</i> , 2022, 23, e202100699.	1.3	4