

# Ilya V Kelmanson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7540192/publications.pdf>

Version: 2024-02-01

25  
papers

1,357  
citations

759233

12  
h-index

677142

22  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1404  
citing authors

#	ARTICLE	IF	CITATIONS
1	A ubiquitous family of putative gap junction molecules. <i>Current Biology</i> , 2000, 10, R473-R474.	3.9	485
2	The mammalian pannexin family is homologous to the invertebrate innexin gap junction proteins. <i>Genomics</i> , 2004, 83, 706-716.	2.9	415
3	Molecular Basis and Evolutionary Origins of Color Diversity in Great Star Coral <i>Montastraea cavernosa</i> (Scleractinia: Faviida). <i>Molecular Biology and Evolution</i> , 2003, 20, 1125-1133.	8.9	102
4	Adaptive Evolution of Multicolored Fluorescent Proteins in Reef-Building Corals. <i>Journal of Molecular Evolution</i> , 2006, 62, 332-339.	1.8	90
5	Thermogenetic neurostimulation with single-cell resolution. <i>Nature Communications</i> , 2017, 8, 15362.	12.8	55
6	A high-throughput assay for quantitative measurement of PCR errors. <i>Scientific Reports</i> , 2017, 7, 2718.	3.3	27
7	Universal and rapid method for purification of GFP-like proteins by the ethanol extraction. <i>Protein Expression and Purification</i> , 2009, 65, 108-113.	1.3	24
8	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.	9.0	22
9	Altering electrical connections in the nervous system of the pteropod mollusc <i>Clione limacina</i> by neuronal injections of gap junction mRNA. <i>European Journal of Neuroscience</i> , 2002, 16, 2475-2476.	2.6	20
10	Cell-specific three-photon-fluorescence brain imaging: neurons, astrocytes, and gliovascular interfaces. <i>Optics Letters</i> , 2020, 45, 836.	3.3	20
11	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.	2.3	18
12	Normalizing cDNA Libraries. <i>Current Protocols in Molecular Biology</i> , 2010, 90, Unit 5.12.1-27.	2.9	16
13	Drug Screening with Genetically Encoded Fluorescent Sensors: Today and Tomorrow. <i>International Journal of Molecular Sciences</i> , 2021, 22, 148.	4.1	13
14	Stain-free subcellular-resolution astrocyte imaging using third-harmonic generation. <i>Optics Letters</i> , 2019, 44, 3166.	3.3	11
15	Genetically Encoded Tools for Research of Cell Signaling and Metabolism under Brain Hypoxia. <i>Antioxidants</i> , 2020, 9, 516.	5.1	10
16	Thermogenetic stimulation of single neocortical pyramidal neurons transfected with TRPV1-L channels. <i>Neuroscience Letters</i> , 2018, 687, 153-157.	2.1	6
17	Nonlinear-optical stain-free stereoimaging of astrocytes and gliovascular interfaces. <i>Journal of Biophotonics</i> , 2019, 12, e201800432.	2.3	6
18	Three-photon-resonance-enhanced third-harmonic generation for label-free deep-brain imaging: In search of a chemical contrast. <i>Journal of Raman Spectroscopy</i> , 2019, 50, 1296-1302.	2.5	6

#	ARTICLE	IF	CITATIONS
19	Enhanced contrast two-photon optogenetic pH sensing and pH-resolved brain imaging. Journal of Biophotonics, 2021, 14, e202000301.	2.3	4
20	Single-beam optogenetic multimodal 3 / 5 nonlinear microscopy and brain imaging. Journal of Raman Spectroscopy, 2020, 51, 1942-1950.	2.5	3
21	Real-time fiber-optic recording of acute ischemic stroke signatures. Journal of Biophotonics, 2022, 15, .	2.3	3
22	Short-circuited neuron: a note. Neuroscience, 2000, 96, 597-599.	2.3	1
23	Nonlinear-Optical Label-Free Multimodal Imaging of Neurons, Astrocytes and Gliovascular Interfaces. , 2019, , .		0
24	The choice of anesthetic type and conditions for 2,3,5-triphenyltetrazolium chloride staining of brain slices is important in the assessment of ischemic injury in rats in the early stages of pathology. Bulletin of Russian State Medical University, 2017, , 62-68.	0.2	0
25	Lipid metabolic changes in rat brain during permanent cerebral ischemia. Bulletin of Russian State Medical University, 2019, , 46-52.	0.2	0