

Alena Rudkouskaya

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

931
citations

567281

15
h-index

610901

24
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44
all docs

44
docs citations

44
times ranked

1136
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmacological comparison of swelling-activated excitatory amino acid release and Cl ⁻ currents in cultured rat astrocytes. <i>Journal of Physiology</i> , 2006, 572, 677-689.	2.9	114
2	LRRRC8A protein is indispensable for swelling-activated and ATP-induced release of excitatory amino acids in rat astrocytes. <i>Journal of Physiology</i> , 2014, 592, 4855-4862.	2.9	106
3	Laser-based 3D bioprinting for spatial and size control of tumor spheroids and embryoid bodies. <i>Acta Biomaterialia</i> , 2019, 95, 357-370.	8.3	102
4	Fast fit-free analysis of fluorescence lifetime imaging via deep learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 24019-24030.	7.1	100
5	Calcium-Activated Potassium Channels BK and IK1 Are Functionally Expressed in Human Gliomas but Do Not Regulate Cell Proliferation. <i>PLoS ONE</i> , 2010, 5, e12304.	2.5	71
6	Two Distinct Modes of Hypoosmotic Medium-Induced Release of Excitatory Amino Acids and Taurine in the Rat Brain In Vivo. <i>PLoS ONE</i> , 2008, 3, e3543.	2.5	59
7	Two conventional protein kinase C isoforms, $\hat{1}$ and $\hat{2}$, are involved in the ATP-induced activation of volume-regulated anion channel and glutamate release in cultured astrocytes. <i>Journal of Neurochemistry</i> , 2008, 105, 2260-2270.	3.9	37
8	Quantitative imaging of receptor-ligand engagement in intact live animals. <i>Journal of Controlled Release</i> , 2018, 286, 451-459.	9.9	36
9	<i>Staphylococcus aureus</i> keratinocyte invasion is mediated by integrin-linked kinase and Rac1. <i>FASEB Journal</i> , 2015, 29, 711-723.	0.5	33
10	In vitro and in vivo phasor analysis of stoichiometry and pharmacokinetics using short-lifetime near-infrared dyes and time-gated imaging. <i>Journal of Biophotonics</i> , 2019, 12, e201800185.	2.3	31
11	Long-lasting inhibition of presynaptic metabolism and neurotransmitter release by protein S-nitrosylation. <i>Free Radical Biology and Medicine</i> , 2010, 49, 757-769.	2.9	27
12	High compression deep learning based single-pixel hyperspectral macroscopic fluorescence lifetime imaging in vivo. <i>Biomedical Optics Express</i> , 2020, 11, 5401.	2.9	23
13	ILK modulates epithelial polarity and matrix formation in hair follicles. <i>Molecular Biology of the Cell</i> , 2014, 25, 620-632.	2.1	22
14	Targeted inactivation of integrin-linked kinase in hair follicle stem cells reveals an important modulatory role in skin repair after injury. <i>Molecular Biology of the Cell</i> , 2011, 22, 2532-2540.	2.1	21
15	Multiplexed non-invasive tumor imaging of glucose metabolism and receptor-ligand engagement using dark quencher FRET acceptor. <i>Theranostics</i> , 2020, 10, 10309-10325.	10.0	18
16	Complex Rab4-Mediated Regulation of Endosomal Size and EGFR Activation. <i>Molecular Cancer Research</i> , 2020, 18, 757-773.	3.4	18
17	Comparison of illumination geometry for lifetime-based measurements in whole-body preclinical imaging. <i>Journal of Biophotonics</i> , 2018, 11, e201800037.	2.3	16
18	Quantification of Trastuzumab-HER2 Engagement In Vitro and In Vivo. <i>Molecules</i> , 2020, 25, 5976.	3.8	16

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19	Quantitative label-free imaging of iron-bound transferrin in breast cancer cells and tumors. <i>Redox Biology</i> , 2020, 36, 101617.	9.0	16
20	In vitro and in vivo NIR fluorescence lifetime imaging with a time-gated SPAD camera. <i>Optica</i> , 2022, 9, 532.	9.3	15
21	Integrin-Linked Kinase Is Indispensable for Keratinocyte Differentiation and Epidermal Barrier Function. <i>Journal of Investigative Dermatology</i> , 2016, 136, 425-435.	0.7	14
22	Multiple Roles of Integrin-Linked Kinase in Epidermal Development, Maturation and Pigmentation Revealed by Molecular Profiling. <i>PLoS ONE</i> , 2012, 7, e36704.	2.5	10
23	Macroscopic Fluorescence Lifetime Imaging for Monitoring of Drug-Target Engagement. <i>Methods in Molecular Biology</i> , 2022, 2394, 837-856.	0.9	7
24	Fluorescence lifetime FRET imaging of receptor-ligand complexes in tumor cells in vitro and in vivo. <i>Proceedings of SPIE</i> , 2017, , .	0.8	5
25	Monitoring receptor heterodimerization along intracellular trafficking pathways using anti-HER2 therapeutic antibodies. , 2021, , .		2
26	Macroscopic fluorescence lifetime-based Förster resonance energy transfer imaging for quantitative ligand-receptor binding. , 2020, , 331-363.		1
27	Role of Tumor Heterogeneity in Imaging Breast Cancer Targeted Delivery using FLIM FRET in Vivo. , 2016, , .		1
28	Fluorescent Lifetime Imaging improved via Deep Learning. , 2019, , .		1
29	Dynamic macroscopic in vivo FRET for the quantitative monitoring of targeted receptor engagement. , 2019, , .		1
30	Wide-field lifetime-based FRET imaging for the assessment of early functional distribution of transferrin-based delivery in breast tumor-bearing small animals. , 2016, , .		0
31	Monitoring Receptor Heterodimerization along Intracellular Trafficking Pathways using Anti-HER2 Therapeutic Antibodies. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
32	Fluorescence Lifetime-based Multiplexing of Near-Infrared Förster Resonance Energy Transfer Pairs. , 2016, , .		0
33	Fluorescence lifetime FRET non-invasive imaging of breast cancer xenografts provides a measure of target engagement in vivo (Conference Presentation). , 2017, , .		0
34	Quantitative Deep Tissue Imaging of Target Engagement in Intact Live Animals. <i>FASEB Journal</i> , 2018, 32, 818.1.	0.5	0
35	Heterogeneity of Transferrin receptor expression, distribution and transferrin uptake in breast cancer cells in 2D and 3D spheroid cultures. <i>FASEB Journal</i> , 2019, 33, 496.8.	0.5	0
36	A Rab4-Regulated Endosomal Compartment Prolongs EGFR Activation in Breast Cancer Cells. <i>FASEB Journal</i> , 2019, 33, 658.2.	0.5	0

#	ARTICLE	IF	CITATIONS
37	Abstract P4-01-12: Short-term trastuzumab treatment increases oncogenic fitness in HER2 overexpressing breast cancer models. Cancer Research, 2022, 82, P4-01-12-P4-01-12.	0.9	0
38	Characterization of a large Gated SPAD camera for in vivo Macroscopic Fluorescence Lifetime Imaging. , 2022, , .		0