

Roland Schwarzer

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

926
citations

516561

16
h-index

477173

29
g-index

42
all docs

42
docs citations

42
times ranked

1676
citing authors

#	ARTICLE	IF	CITATIONS
1	Attacking Latent HIV with convertible CAR-T Cells, a Highly Adaptable Killing Platform. <i>Cell</i> , 2019, 179, 880-894. e10.	13.5	95
2	SMYD2-Mediated Histone Methylation Contributes to HIV-1 Latency. <i>Cell Host and Microbe</i> , 2017, 21, 569-579. e6.	5.1	78
3	FLIM-FRET and FRAP reveal association of influenza virus haemagglutinin with membrane rafts. <i>Biochemical Journal</i> , 2010, 425, 567-573.	1.7	76
4	Detection of Lipid Domains in Model and Cell Membranes by Fluorescence Lifetime Imaging Microscopy of Fluorescent Lipid Analogues. <i>Journal of Biological Chemistry</i> , 2008, 283, 30828-30837.	1.6	69
5	An Amphiphilic Perylene Imido Diester for Selective Cellular Imaging. <i>Bioconjugate Chemistry</i> , 2013, 24, 153-158.	1.8	68
6	Degradation of Phycobilisomes in <i>Synechocystis</i> sp. PCC6803. <i>Journal of Biological Chemistry</i> , 2014, 289, 11755-11766.	1.6	67
7	Amplification of a FRET Probe by Lipid-Water Partition for the Detection of Acid Sphingomyelinase in Live Cells. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2790-2794.	7.2	47
8	Live-cell imaging of circadian clock protein dynamics in CRISPR-generated knock-in cells. <i>Nature Communications</i> , 2021, 12, 3796.	5.8	42
9	Organization of fluorescent cholesterol analogs in lipid bilayers – Lessons from cyclodextrin extraction. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2013, 1828, 1822-1828.	1.4	36
10	Tissue memory CD4+ T cells expressing IL-7 receptor-alpha (CD127) preferentially support latent HIV-1 infection. <i>PLoS Pathogens</i> , 2020, 16, e1008450.	2.1	34
11	The HIV-1 Envelope Transmembrane Domain Binds TLR2 through a Distinct Dimerization Motif and Inhibits TLR2-Mediated Responses. <i>PLoS Pathogens</i> , 2014, 10, e1004248.	2.1	33
12	The cholesterol-binding motif of the HIV-1 glycoprotein gp41 regulates lateral sorting and oligomerization. <i>Cellular Microbiology</i> , 2014, 16, 1565-1581.	1.1	32
13	Plasma membrane asymmetry of lipid organization: fluorescence lifetime microscopy and correlation spectroscopy analysis. <i>Journal of Lipid Research</i> , 2020, 61, 252-266.	2.0	29
14	The non-classical nuclear import carrier Transportin 1 modulates circadian rhythms through its effect on PER1 nuclear localization. <i>PLoS Genetics</i> , 2018, 14, e1007189.	1.5	20
15	All1371 is a polyphosphate-dependent glucokinase in <i>Anabaena</i> sp. PCC 7120. <i>Microbiology (United Kingdom)</i> 10.1093/mic/dgaa078	0.7	18
16	Cell cycle dependent changes in the plasma membrane organization of mammalian cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 350-359.	1.4	18
17	DBD dyes as fluorescent probes for sensing lipophilic environments. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5367-5371.	1.0	17
18	Conformational change of influenza virus hemagglutinin is sensitive to ionic concentration. <i>European Biophysics Journal</i> , 2007, 36, 327-335.	1.2	16

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19	Mapping out the intricate relationship of the HIV envelope protein and the membrane environment. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2017, 1859, 550-560.	1.4	16
20	Self-association and subcellular localization of Puumala hantavirus envelope proteins. <i>Scientific Reports</i> , 2019, 9, 707.	1.6	15
21	Macropinocytosis and Clathrin-Dependent Endocytosis Play Pivotal Roles for the Infectious Entry of Puumala Virus. <i>Journal of Virology</i> , 2020, 94, .	1.5	14
22	Evaluating a New Class of AKT/mTOR Activators for HIV Latency-Reversing Activity <i><i>Ex Vivo</i></i> and <i><i>In Vivo</i></i> . <i>Journal of Virology</i> , 2021, 95, .	1.5	13
23	Analysis of delay times of hemagglutinin-mediated fusion between influenza virus and cell membranes. <i>European Biophysics Journal</i> , 1995, 24, 55-64.	1.2	11
24	Reduce and Control: A Combinatorial Strategy for Achieving Sustained HIV Remissions in the Absence of Antiretroviral Therapy. <i>Viruses</i> , 2020, 12, 188.	1.5	10
25	Recruitment of SHâ€Containing Peptides to Lipid and Biological Membranes through the Use of a Palmitic Acid Functionalized with a Maleimide Group. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 323-326.	7.2	9
26	Modulation of cell surface transport and lipid raft localization by the cytoplasmic tail of the influenza virus hemagglutinin. <i>Cellular Microbiology</i> , 2016, 18, 125-136.	1.1	9
27	Yeast Sphingolipid-Enriched Domains and Membrane Compartments in the Absence of Mannosyldiinositolphosphorylceramide. <i>Biomolecules</i> , 2020, 10, 871.	1.8	9
28	Gp41 dynamically interacts with the TCR in the immune synapse and promotes early T cell activation. <i>Scientific Reports</i> , 2018, 8, 9747.	1.6	8
29	A Hybrid Soluble gp130/Spike-Nanobody Fusion Protein Simultaneously Blocks Interleukin-6 <i><i>trans</i></i> -Signaling and Cellular Infection with SARS-CoV-2. <i>Journal of Virology</i> , 2022, 96, JV0162221.	1.5	5
30	D-109 Defining a potent new class of latency reversing agents devoid of toxicity and detrimental cell activation that enhance CTL/NK cell killing. <i>Journal of Acquired Immune Deficiency Syndromes (1999)</i> , 2018, 77, 41-41.	0.9	4
31	Characterization of Hantavirus N Protein Intracellular Dynamics and Localization. <i>Viruses</i> , 2022, 14, 457.	1.5	3
32	Potential of Proapoptotic Peptides to Induce the Formation of Giant Plasma Membrane Vesicles with Lipid Domains. <i>ChemBioChem</i> , 2015, 16, 1288-1292.	1.3	2
33	The Role of Lipid Rafts in Virus Assembly. Identification and Characterization of Microdomain Partitioning Factors of the HIV-1 Glycoprotein gp41 using Flim-FRET and Fluorescence Anisotropy Microscopy. <i>Biophysical Journal</i> , 2012, 102, 640a.	0.2	1
34	The HIV gp41 Fusion Protein Inhibits T-Cell Activation through the Lentiviral Lytic Peptide 2 Motif. <i>Biochemistry</i> , 2019, 58, 818-832.	1.2	1
35	Visualization of Marekâ€™s Disease Virus Genomes in Living Cells during Lytic Replication and Latency. <i>Viruses</i> , 2022, 14, 287.	1.5	1
36	Chasing Raft Localisation Signals: FLIM-FRET Reveals CRAC Mediated Microdomain Association of the Human Immunodeficiency Virus Glycoprotein gp41. <i>Biophysical Journal</i> , 2011, 100, 498a-499a.	0.2	0

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37	Intracellular Dynamics of HIV-Gag: The Role of Calcium and the Activation of Phospholipase C. Biophysical Journal, 2012, 102, 640a.	0.2	0
38	Cell-To-Cell Variability in Plasma Membrane Lipid Rafts. Biophysical Journal, 2013, 104, 191a-192a.	0.2	0
39	Calcium-Mediated Fusion between Endo-Lysosomal Compartments Enhances Virus-Like Particles Release. Biophysical Journal, 2013, 104, 417a.	0.2	0
40	New Insights on the Versatile Role of the Cholesterol Binding Motif of the HIV-1 Glycoprotein Gp41. Biophysical Journal, 2014, 106, 62a.	0.2	0