

# Radda Rusinova

## List of Publications by Year in descending order

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42  
papers

570  
citations

623734

14  
h-index

642732

23  
g-index

46  
all docs

46  
docs citations

46  
times ranked

848  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphatidylinositol-4,5-bisphosphate regulates epidermal growth factor receptor activation. <i>Pflügers Archiv European Journal of Physiology</i> , 2011, 461, 387-397.	2.8	71
2	A sodium-mediated structural switch that controls the sensitivity of Kir channels to PtdIns(4,5)P <sub>2</sub> . <i>Nature Chemical Biology</i> , 2008, 4, 624-631.	8.0	48
3	Thiazolidinedione insulin sensitizers alter lipid bilayer properties and voltage-dependent sodium channel function: implications for drug discovery. <i>Journal of General Physiology</i> , 2011, 138, 249-270.	1.9	48
4	Gramicidin Increases Lipid Flip-Flop in Symmetric and Asymmetric Lipid Vesicles. <i>Biophysical Journal</i> , 2019, 116, 860-873.	0.5	44
5	Cannabidiol inhibits the skeletal muscle Nav1.4 by blocking its pore and by altering membrane elasticity. <i>Journal of General Physiology</i> , 2021, 153, .	1.9	38
6	Interactions of drugs and amphiphiles with membranes: modulation of lipid bilayer elastic properties by changes in acyl chain unsaturation and protonation. <i>Faraday Discussions</i> , 2013, 161, 461-480.	3.2	36
7	Calcium ions open a selectivity filter gate during activation of the MthK potassium channel. <i>Nature Communications</i> , 2015, 6, 8342.	12.8	35
8	A general mechanism for drug promiscuity: Studies with amiodarone and other antiarrhythmics. <i>Journal of General Physiology</i> , 2015, 146, 463-475.	1.9	35
9	Regulation of Ion Channel Function by the Host Lipid Bilayer Examined by a Stopped-Flow Spectrofluorometric Assay. <i>Biophysical Journal</i> , 2014, 106, 1070-1078.	0.5	33
10	Timing and Reset Mechanism of GTP Hydrolysis-Driven Conformational Changes of Atlastin. <i>Structure</i> , 2017, 25, 997-1010.e4.	3.3	27
11	Specificity of G $\beta$ $\gamma$ Signaling to Kir3 Channels Depends on the Helical Domain of Pertussis Toxin-sensitive G $\beta$ Subunits. <i>Journal of Biological Chemistry</i> , 2007, 282, 34019-34030.	3.4	24
12	Phosphoinositides alter lipid bilayer properties. <i>Journal of General Physiology</i> , 2013, 141, 673-690.	1.9	23
13	Synthetic Analogues of the Snail Toxin 6-Bromo-2-mercaptotryptamine Dimer (BrMT) Reveal That Lipid Bilayer Perturbation Does Not Underlie Its Modulation of Voltage-Gated Potassium Channels. <i>Biochemistry</i> , 2018, 57, 2733-2743.	2.5	18
14	Stopped-Flow Fluorometric Ion Flux Assay for Ligand-Gated Ion Channel Studies. <i>Methods in Molecular Biology</i> , 2018, 1684, 223-235.	0.9	16
15	Synthesis and evaluation of resveratrol derivatives as fetal hemoglobin inducers. <i>Bioorganic Chemistry</i> , 2020, 100, 103948.	4.1	16
16	Mass spectrometric analysis reveals a functionally important PKA phosphorylation site in a Kir3 channel subunit. <i>Pflügers Archiv European Journal of Physiology</i> , 2009, 458, 303-314.	2.8	13
17	A KcsA/MloK1 Chimeric Ion Channel Has Lipid-dependent Ligand-binding Energetics. <i>Journal of Biological Chemistry</i> , 2014, 289, 9535-9546.	3.4	12
18	Mechanisms underlying drug-mediated regulation of membrane protein function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	12

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19	Specificity of $G\hat{1}2\hat{1}3$ Signaling Depends on $G\hat{1}\pm$ Subunit Coupling with G-Protein-Sensitive $K\hat{1}\hat{2}\hat{1}\hat{3}$ Channels. <i>Pharmacology</i> , 2009, 84, 82-90.	2.2	6
20	Therapeutic antibody activation of the glucocorticoid-induced TNF receptor by a clustering mechanism. <i>Science Advances</i> , 2022, 8, eabm4552.	10.3	5
21	Regulation of Gramicidin Channel Function Solely by Changes in Lipid Intrinsic Curvature. <i>Frontiers in Physiology</i> , 2022, 13, 836789.	2.8	4
22	Capsaicin as an amphipathic modulator of $Na\hat{1}\hat{2}\hat{1}\hat{3}$ mechanosensitivity. <i>Channels</i> , 2022, 16, 9-26.	2.8	3
23	H1-1 Cardiomyocytes As A Tool For The Study Of Regulation Of Kir3.1/Kir3.4 Channel Activity. <i>Biophysical Journal</i> , 2009, 96, 465a.	0.5	1
24	The Insulin-sensitizers Troglitazone And Rosiglitazone Alter Lipid Bilayer Properties. <i>Biophysical Journal</i> , 2009, 96, 158a.	0.5	0
25	Thiazolidinediones Alter Lipid Bilayer Properties and Native Voltage-Gated Sodium Channel Function. <i>Biophysical Journal</i> , 2010, 98, 480a.	0.5	0
26	Phosphoinositides Alter Lipid Bilayer Properties. <i>Biophysical Journal</i> , 2011, 100, 499a-500a.	0.5	0
27	Phosphoinositides Alter Lipid Bilayer Properties. <i>Biophysical Journal</i> , 2012, 102, 84a.	0.5	0
28	A New Assay for Ion Channel Function using Stopped Flow Spectrofluorometry. <i>Biophysical Journal</i> , 2013, 104, 373a.	0.5	0
29	Calcium-Dependent Gating in MthK $K\hat{1}\hat{2}\hat{1}\hat{3}$ Channels Occurs at the Selectivity Filter. <i>Biophysical Journal</i> , 2014, 106, 642a.	0.5	0
30	Regulation of Ion Channel Function by the Host Lipid Bilayer Examined by a Stopped-Flow Spectrofluorimetric Assay. <i>Biophysical Journal</i> , 2014, 106, 298a.	0.5	0
31	A General Mechanism for Off-Target Effects: Studies with Amiodarone and other Antiarrhythmics. <i>Biophysical Journal</i> , 2015, 108, 498a.	0.5	0
32	A General Mechanism for Drug Promiscuity: Studies with Amiodarone and Other Antiarrhythmics. <i>Biophysical Journal</i> , 2016, 110, 80a.	0.5	0
33	Regulation of KcsA by Bilayer-Modifying Molecules. <i>Biophysical Journal</i> , 2017, 112, 225a-226a.	0.5	0
34	Lipid Bilayer Perturbation by the Snail Toxin 6-Bromo-2-Mercaptotryptamine Dimer does not Account for its Modulation of Voltage-Gated Potassium Channels. <i>Biophysical Journal</i> , 2017, 112, 246a-247a.	0.5	0
35	Examining the Translocation of Amphiphiles across Lipid Bilayers using a Gramicidin Channel-Based Fluorescent Assay. <i>Biophysical Journal</i> , 2017, 112, 521a.	0.5	0
36	Vectorial Cholesterol Transport by STARD4 is Mediated by Specific PIP 2 Membrane Composition. <i>Biophysical Journal</i> , 2017, 112, 87a.	0.5	0

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37	Gramicidin Increases Lipid Flip-Flop in Symmetric and Asymmetric Lipid Vesicles. <i>Biophysical Journal</i> , 2018, 114, 198a-199a.	0.5	0
38	Dissecting Drug Physico-Chemical Profiles as They Relate to their Bilayer Modifying Potency. <i>Biophysical Journal</i> , 2018, 114, 266a-267a.	0.5	0
39	Drug Regulation of Ion Channel Function Involves Both Direct and Bilayer-Mediated Mechanisms. <i>Biophysical Journal</i> , 2019, 116, 220a.	0.5	0
40	Beta-Blockers Alter Lipid Bilayer Properties. <i>Biophysical Journal</i> , 2020, 118, 381a.	0.5	0
41	Mechanisms Underlying Drug-Mediated Regulation of Membrane Protein Function. <i>Biophysical Journal</i> , 2021, 120, 227a-228a.	0.5	0
42	674 CAPSAICIN'S EFFECTS ON HUMAN SODIUM CHANNEL NAV1.5 MECHANOSENSITIVITY. <i>Gastroenterology</i> , 2021, 160, S-132.	1.3	0