

# Julia Gorelik

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,845  
citations

331670

21  
h-index

377865

34  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2697  
citing authors

#	ARTICLE	IF	CITATIONS
1	Junctophilin-2: Coupling Hopes for Cardiac Gene Therapy to Gene Transcription. <i>Circulation Research</i> , 2022, 130, 1318-1320.	4.5	0
2	Fetal cardiac dysfunction in intrahepatic cholestasis of pregnancy is associated with elevated serum bile acid concentrations. <i>Journal of Hepatology</i> , 2021, 74, 1087-1096.	3.7	38
3	Electrophysiological Remodeling: Cardiac T-Tubules and $\beta$ -Adrenoceptors. <i>Cells</i> , 2021, 10, 2456.	4.1	2
4	Short-term angiotensin II treatment regulates cardiac nanomechanics via microtubule modifications. <i>Nanoscale</i> , 2020, 12, 16315-16329.	5.6	15
5	Age-Dependent Maturation of iPSC-CMs Leads to the Enhanced Compartmentation of $\beta$ 2AR-cAMP Signalling. <i>Cells</i> , 2020, 9, 2275.	4.1	10
6	Exosomes: From Potential Culprits to New Therapeutic Promise in the Setting of Cardiac Fibrosis. <i>Cells</i> , 2020, 9, 592.	4.1	35
7	Nanoscale regulation of L-type calcium channels differentiates between ischemic and dilated cardiomyopathies. <i>EBioMedicine</i> , 2020, 57, 102845.	6.1	15
8	Studying signal compartmentation in adult cardiomyocytes. <i>Biochemical Society Transactions</i> , 2020, 48, 61-70.	3.4	9
9	$\beta$ 3-Adrenoceptor redistribution impairs NO/cGMP/PDE2 signalling in failing cardiomyocytes. <i>ELife</i> , 2020, 9, .	6.0	28
10	Ankyrin-G mediates targeting of both Na <sup>+</sup> and KATP channels to the rat cardiac intercalated disc. <i>ELife</i> , 2020, 9, .	6.0	23
11	Correlative SICM-FCM reveals changes in morphology and kinetics of endocytic pits induced by disease-associated mutations in dynamin. <i>FASEB Journal</i> , 2019, 33, 8504-8518.	0.5	21
12	A Software Tool for High-Throughput Real-Time Measurement of Intensity-Based Ratio-Metric FRET. <i>Cells</i> , 2019, 8, 1541.	4.1	8
13	Cardiomyocyte Membrane Structure and cAMP Compartmentation Produce Anatomical Variation in $\beta$ 2AR-cAMP Responsiveness in Murine Hearts. <i>Cell Reports</i> , 2018, 23, 459-469.	6.4	51
14	Heart and bile acids – Clinical consequences of altered bile acid metabolism. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 1345-1355.	3.8	75
15	Investigation of cardiac fibroblasts using myocardial slices. <i>Cardiovascular Research</i> , 2018, 114, 77-89.	3.8	52
16	Partial Mechanical Unloading of the Heart Disrupts L-Type Calcium Channel and Beta-Adrenoceptor Signaling Microdomains. <i>Frontiers in Physiology</i> , 2018, 9, 1302.	2.8	11
17	Distinct submembrane localisation compartmentalises cardiac NPR1 and NPR2 signalling to cGMP. <i>Nature Communications</i> , 2018, 9, 2446.	12.8	52
18	FRET biosensor uncovers cAMP nano-domains at $\beta$ 2-adrenergic targets that dictate precise tuning of cardiac contractility. <i>Nature Communications</i> , 2017, 8, 15031.	12.8	166

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19	T-tubule remodelling disturbs localized $\beta_2$ -adrenergic signalling in rat ventricular myocytes during the progression of heart failure. <i>Cardiovascular Research</i> , 2017, 113, 770-782.	3.8	53
20	STORM and TEM Identify the Cardiac Ephapse: An Intercalated Disk Nanodomain with Previously Unanticipated Functions in Cardiac Conduction. <i>Microscopy and Microanalysis</i> , 2017, 23, 1110-1111.	0.4	0
21	The protective effect of ursodeoxycholic acid in an <i>in vitro</i> model of the human fetal heart occurs via targeting cardiac fibroblasts. <i>Progress in Biophysics and Molecular Biology</i> , 2016, 120, 149-163.	2.9	34
22	Microdomain-Specific Modulation of L-Type Calcium Channels Leads to Triggered Ventricular Arrhythmia in Heart Failure. <i>Circulation Research</i> , 2016, 119, 944-955.	4.5	101
23	Angular Approach Scanning Ion Conductance Microscopy. <i>Biophysical Journal</i> , 2016, 110, 2252-2265.	0.5	23
24	Nanoscale visualization of functional adhesion/excitability nodes at the intercalated disc. <i>Nature Communications</i> , 2016, 7, 10342.	12.8	76
25	Nanoscale, Voltage-Driven Application of Bioactive Substances onto Cells with Organized Topography. <i>Biophysical Journal</i> , 2016, 110, 141-146.	0.5	8
26	Microtubule-Dependent Mitochondria Alignment Regulates Calcium Release in Response to Nanomechanical Stimulus in Heart Myocytes. <i>Cell Reports</i> , 2016, 14, 140-151.	6.4	55
27	Spearhead Nanometric Field-Effect Transistor Sensors for Single-Cell Analysis. <i>ACS Nano</i> , 2016, 10, 3214-3221.	14.6	95
28	Microdomain-specific localization of functional ion channels in cardiomyocytes: an emerging concept of local regulation and remodelling. <i>Biophysical Reviews</i> , 2015, 7, 43-62.	3.2	21
29	Direct Evidence for Microdomain-Specific Localization and Remodeling of Functional L-Type Calcium Channels in Rat and Human Atrial Myocytes. <i>Circulation</i> , 2015, 132, 2372-2384.	1.6	96
30	Cardiac BIN1 folds T-tubule membrane, controlling ion flux and limiting arrhythmia. <i>Nature Medicine</i> , 2014, 20, 624-632.	30.7	203
31	Functional interaction between charged nanoparticles and cardiac tissue: a new paradigm for cardiac arrhythmia?. <i>Nanomedicine</i> , 2013, 8, 725-737.	3.3	47
32	Spatial control of the $\beta_2$ AR system in heart failure: the transverse tubule and beyond. <i>Cardiovascular Research</i> , 2013, 98, 216-224.	3.8	49
33	PHARMACOLOGICAL CHARACTERISATION OF EMBRYONIC STEM CELL-DERIVED CARDIOMYOCYTE CULTURES. , 2005, , 139-147.		0
34	The use of scanning ion conductance microscopy to image A6 cells. <i>Molecular and Cellular Endocrinology</i> , 2004, 217, 101-108.	3.2	74
35	Esmolol is antiarrhythmic in doxorubicin-induced arrhythmia in cultured cardiomyocytes - determination by novel rapid cardiomyocyte assay. <i>FEBS Letters</i> , 2003, 548, 74-78.	2.8	21
36	Dynamic assembly of surface structures in living cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 5819-5822.	7.1	162

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37	Ion Channels in Small Cells and Subcellular Structures Can Be Studied with a Smart Patch-Clamp System. <i>Biophysical Journal</i> , 2002, 83, 3296-3303.	0.5	116