

# Alicia Lundby

## List of Publications by Year in descending order

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46  
papers

3,139  
citations

257450

24  
h-index

265206

42  
g-index

48  
all docs

48  
docs citations

48  
times ranked

6819  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteomic Analysis of Lysine Acetylation Sites in Rat Tissues Reveals Organ Specificity and Subcellular Patterns. <i>Cell Reports</i> , 2012, 2, 419-431.	6.4	493
2	Quantitative maps of protein phosphorylation sites across 14 different rat organs and tissues. <i>Nature Communications</i> , 2012, 3, 876.	12.8	307
3	Identification of heart rate-associated loci and their effects on cardiac conduction and rhythm disorders. <i>Nature Genetics</i> , 2013, 45, 621-631.	21.4	282
4	Genetic association study of QT interval highlights role for calcium signaling pathways in myocardial repolarization. <i>Nature Genetics</i> , 2014, 46, 826-836.	21.4	281
5	In Vivo Phosphoproteomics Analysis Reveals the Cardiac Targets of $\beta$ -Adrenergic Receptor Signaling. <i>Science Signaling</i> , 2013, 6, rs11.	3.6	164
6	Engineering of a Genetically Encodable Fluorescent Voltage Sensor Exploiting Fast Ci-VSP Voltage-Sensing Movements. <i>PLoS ONE</i> , 2008, 3, e2514.	2.5	140
7	Ibrutinib-Mediated Atrial Fibrillation Attributable to Inhibition of C-Terminal Src Kinase. <i>Circulation</i> , 2020, 142, 2443-2455.	1.6	121
8	52 Genetic Loci Influencing Myocardial Mass. <i>Journal of the American College of Cardiology</i> , 2016, 68, 1435-1448.	2.8	113
9	KCNQ1 mutation Q147R is associated with atrial fibrillation and prolonged QT interval. <i>Heart Rhythm</i> , 2007, 4, 1532-1541.	0.7	103
10	Rare truncating variants in the sarcomeric protein titin associate with familial and early-onset atrial fibrillation. <i>Nature Communications</i> , 2018, 9, 4316.	12.8	93
11	Quantitative proteomics and single-nucleus transcriptomics of the sinus node elucidates the foundation of cardiac pacemaking. <i>Nature Communications</i> , 2019, 10, 2889.	12.8	84
12	Disruption of Ca <sup>2+</sup> Homeostasis and Connexin 43 Hemichannel Function in the Right Ventricle Precedes Overt Arrhythmogenic Cardiomyopathy in Plakophilin-2-Deficient Mice. <i>Circulation</i> , 2019, 140, 1015-1030.	1.6	81
13	KCNE3 Mutation V17M Identified in a Patient with Lone Atrial Fibrillation. <i>Cellular Physiology and Biochemistry</i> , 2008, 21, 047-054.	1.6	78
14	Targeting miR-423-5p Reverses Exercise Training-Induced HCN4 Channel Remodeling and Sinus Bradycardia. <i>Circulation Research</i> , 2017, 121, 1058-1068.	4.5	76
15	Effect of Voltage Sensitive Fluorescent Proteins on Neuronal Excitability. <i>Biophysical Journal</i> , 2009, 96, 3959-3976.	0.5	70
16	Annotation of loci from genome-wide association studies using tissue-specific quantitative interaction proteomics. <i>Nature Methods</i> , 2014, 11, 868-874.	19.0	70
17	Oncogenic Mutations Rewire Signaling Pathways by Switching Protein Recruitment to Phosphotyrosine Sites. <i>Cell</i> , 2019, 179, 543-560.e26.	28.9	65
18	Differential effects of the transient outward K <sup>+</sup> current activator NS5806 in the canine left ventricle. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 48, 191-200.	1.9	46

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19	Effect of the I <sub>to</sub> activator NS5806 on cloned K <sub>v</sub> 4 channels depends on the accessory protein KChIP2. <i>British Journal of Pharmacology</i> , 2010, 160, 2028-2044.	5.4	41
20	Biophysical characterization of the fluorescent protein voltage probe VSFP2.3 based on the voltage-sensing domain of Ci-VSP. <i>European Biophysics Journal</i> , 2010, 39, 1625-1635.	2.2	40
21	Spatial-proteomics reveals phospho-signaling dynamics at subcellular resolution. <i>Nature Communications</i> , 2021, 12, 7113.	12.8	38
22	GeLCMS for In-Depth Protein Characterization and Advanced Analysis of Proteomes. <i>Methods in Molecular Biology</i> , 2011, 753, 143-155.	0.9	36
23	Integrated proximal proteomics reveals IRS2 as a determinant of cell survival in ALK-driven neuroblastoma. <i>Science Signaling</i> , 2018, 11, .	3.6	33
24	KCNE3 is an inhibitory subunit of the Kv4.3 potassium channel. <i>Biochemical and Biophysical Research Communications</i> , 2006, 346, 958-967.	2.1	27
25	Genome-wide association study reveals novel genetic loci: a new polygenic risk score for mitral valve prolapse. <i>European Heart Journal</i> , 2022, 43, 1668-1680.	2.2	25
26	Molecular Template for a Voltage Sensor in a Novel K <sup>+</sup> Channel. I. Identification and Functional Characterization of KvLm, a Voltage-gated K <sup>+</sup> Channel from <i>Listeria monocytogenes</i> . <i>Journal of General Physiology</i> , 2006, 128, 283-292.	1.9	24
27	Quantitative Proteomics of Human Heart Samples Collected In Vivo Reveal the Remodeled Protein Landscape of Dilated Left Atrium Without Atrial Fibrillation. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 1132-1144.	3.8	24
28	Quantitative proteome comparison of human hearts with those of model organisms. <i>PLoS Biology</i> , 2021, 19, e3001144.	5.6	23
29	Structural basis for Kv7.1-KCNEx interactions in the IKs channel complex. <i>Heart Rhythm</i> , 2010, 7, 708-713.	0.7	19
30	Proteome-wide profiling and mapping of post translational modifications in human hearts. <i>Scientific Reports</i> , 2021, 11, 2184.	3.3	19
31	Exercise Causes Arrhythmogenic Remodeling of Intracellular Calcium Dynamics in Plakophilin-2-Deficient Hearts. <i>Circulation</i> , 2022, 145, 1480-1496.	1.6	18
32	The PI3-kinase isoform p110 $\beta$ is essential for cell transformation induced by the D816V mutant of c-Kit in a lipid-kinase-independent manner. <i>Oncogene</i> , 2014, 33, 5360-5369.	5.9	15
33	KITD816V Induces SRC-Mediated Tyrosine Phosphorylation of MITF and Altered Transcription Program in Melanoma. <i>Molecular Cancer Research</i> , 2017, 15, 1265-1274.	3.4	15
34	Oncotherapeutic Protein Kinase Inhibitors Associated With Pro-Arrhythmic Liability. <i>JACC: CardioOncology</i> , 2021, 3, 88-97.	4.0	15
35	Reevaluation of genetic variants previously associated with arrhythmogenic right ventricular cardiomyopathy integrating population-based cohorts and proteomics data. <i>Clinical Genetics</i> , 2019, 96, 506-514.	2.0	14
36	Control of endothelial cell tube formation by Notch ligand intracellular domain interactions with activator protein 1 (AP-1). <i>Journal of Biological Chemistry</i> , 2018, 293, 1229-1242.	3.4	12

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37	Quantitative proteomics characterization of acutely isolated primary adult rat cardiomyocytes and fibroblasts. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 143, 63-70.	1.9	9
38	Molecular Template for a Voltage Sensor in a Novel K <sup>+</sup> Channel. II. Conservation of a Eukaryotic Sensor Fold in a Prokaryotic K <sup>+</sup> Channel. <i>Journal of General Physiology</i> , 2006, 128, 293-300.	1.9	8
39	Protein kinase A stimulates Kv7.1 surface expression by regulating Nedd4-2-dependent endocytic trafficking. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 309, C693-C706.	4.6	8
40	Phosphoproteomics taken to heart. <i>Cell Cycle</i> , 2013, 12, 2707-2708.	2.6	4
41	PKD Phosphorylation as Novel Pathway of KV11.1 Regulation. <i>Cellular Physiology and Biochemistry</i> , 2018, 47, 1742-1750.	1.6	2
42	Beta-blocker/ACE inhibitor therapy differentially impacts the steady state signaling landscape of failing and non-failing hearts. <i>Scientific Reports</i> , 2022, 12, 4760.	3.3	1
43	Molecular switches in signaling networks as a mechanism of action for oncogenic mutations in proximity of tyrosine residues. <i>Molecular and Cellular Oncology</i> , 2020, 7, 1692643.	0.7	0
44	Protein-Protein Interactions of Human P2X7 in Microglia and Human ASIC1a in Kidney Cells. <i>Biophysical Journal</i> , 2020, 118, 584a.	0.5	0
45	A New Window onto the Pacemaker of the Heart, the Sinus Node, Provided by Quantitative Proteomics and Single-Nucleus Transcriptomics. <i>Journal of Cellular Immunology</i> , 2020, 2, 38-41.	0.8	0
46	EN-510-01 EXERCISE CAUSES ARRHYTHMOGENIC REMODELING OF INTRACELLULAR CALCIUM DYNAMICS IN PLAKOPHILIN-2 DEFICIENT HEARTS. <i>Heart Rhythm</i> , 2022, 19, S99.	0.7	0