

Nina D Ullrich

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,218
citations

471509

17
h-index

377865

34
g-index

45
all docs

45
docs citations

45
times ranked

2276
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of functional properties of the Ca ²⁺ -activated cation channels TRPM4 and TRPM5 from mice. <i>Cell Calcium</i> , 2005, 37, 267-278.	2.4	215
2	Development and Characterization of a Scaffold-Free 3D Spheroid Model of Induced Pluripotent Stem Cell-Derived Human Cardiomyocytes. <i>Tissue Engineering - Part C: Methods</i> , 2015, 21, 852-861.	2.1	153
3	Reciprocal amplification of ROS and Ca ²⁺ signals in stressed mdx dystrophic skeletal muscle fibers. <i>Pflugers Archiv European Journal of Physiology</i> , 2009, 458, 915-928.	2.8	95
4	Posttranslational modifications of cardiac ryanodine receptors: Ca ²⁺ signaling and EC-coupling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 866-875.	4.1	69
5	Shaping the heart: Structural and functional maturation of iPSC-cardiomyocytes in 3D-micro-scaffolds. <i>Biomaterials</i> , 2020, 227, 119551.	11.4	54
6	Hypersensitivity of excitation-contraction coupling in dystrophic cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 297, H1992-H2003.	3.2	49
7	PKA phosphorylation of cardiac ryanodine receptor modulates SR luminal Ca ²⁺ sensitivity. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 53, 33-42.	1.9	49
8	Subtype-specific differentiation of cardiac pacemaker cell clusters from human induced pluripotent stem cells. <i>Stem Cell Research and Therapy</i> , 2017, 8, 229.	5.5	46
9	Hierarchical accumulation of RyR post-translational modifications drives disease progression in dystrophic cardiomyopathy. <i>Cardiovascular Research</i> , 2013, 97, 666-675.	3.8	45
10	Genomic deletion of estrogen receptors ER ^α and ER ^β does not alter estrogen-mediated inhibition of Ca ²⁺ influx and contraction in murine cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H2421-H2427.	3.2	44
11	Characterisation of Connexin Expression and Electrophysiological Properties in Stable Clones of the HL-1 Myocyte Cell Line. <i>PLoS ONE</i> , 2014, 9, e90266.	2.5	41
12	Oestrogen directly inhibits the cardiovascular L-type Ca ²⁺ channel Cav1.2. <i>Biochemical and Biophysical Research Communications</i> , 2007, 361, 522-527.	2.1	35
13	Somatic mutations and promotor methylation of the ryanodine receptor 2 is a common event in the pathogenesis of head and neck cancer. <i>International Journal of Cancer</i> , 2019, 145, 3299-3310.	5.1	34
14	Stimulation by caveolin-1 of the hypotonicity-induced release of taurine and ATP at basolateral, but not apical, membrane of Caco-2 cells. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 290, C1287-C1296.	4.6	29
15	Overexpression of connexin 43 using a retroviral vector improves electrical coupling of skeletal myoblasts with cardiac myocytes in vitro. <i>BMC Cardiovascular Disorders</i> , 2006, 6, 25.	1.7	28
16	Improving electrical properties of iPSC-cardiomyocytes by enhancing Cx43 expression. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 120, 31-41.	1.9	23
17	Functional Characterization and Comparison of Intercellular Communication in Stem Cell-Derived Cardiomyocytes. <i>Stem Cells</i> , 2015, 33, 2208-2218.	3.2	21
18	Establishment of a human skeletal muscle-derived cell line: biochemical, cellular and electrophysiological characterization. <i>Biochemical Journal</i> , 2013, 455, 169-177.	3.7	19

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19	The VAMP-associated protein VAPB is required for cardiac and neuronal pacemaker channel function. <i>FASEB Journal</i> , 2018, 32, 6159-6173.	0.5	19
20	“Eventless” InsP ₃ -dependent SR-Ca ²⁺ release affecting atrial Ca ²⁺ _i sparks. <i>Journal of Physiology</i> , 2013, 591, 2103-2111.	2.9	17
21	Alterations of excitation-contraction coupling and excitation coupled Ca ²⁺ entry in human myotubes carrying CAV3 mutations linked to rippling muscle. <i>Human Mutation</i> , 2011, 32, 309-317.	2.5	15
22	Isolation of Cardiovascular Precursor Cells from the Human Fetal Heart. <i>Tissue Engineering - Part A</i> , 2012, 18, 198-207.	3.1	15
23	Bacopa monnieri extract increases rat coronary flow and protects against myocardial ischemia/reperfusion injury. <i>BMC Complementary and Alternative Medicine</i> , 2017, 17, 117.	3.7	15
24	Substrate Stiffness Influences Structural and Functional Remodeling in Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Frontiers in Physiology</i> , 2021, 12, 710619.	2.8	14
25	Dynamic patterns of ventricular remodeling and apoptosis in hearts unloaded by heterotopic transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2014, 33, 203-210.	0.6	13
26	AAV-mediated expression of NFAT decoy oligonucleotides protects from cardiac hypertrophy and heart failure. <i>Basic Research in Cardiology</i> , 2021, 116, 38.	5.9	10
27	Functional characterization of orbicularis oculi and extraocular muscles. <i>Journal of General Physiology</i> , 2016, 147, 395-406.	1.9	9
28	Slow conduction in mixed cultured strands of primary ventricular cells and stem cell-derived cardiomyocytes. <i>Frontiers in Cell and Developmental Biology</i> , 2015, 3, 58.	3.7	8
29	Endothelial cell modulation of cardiomyocyte gene expression. <i>Experimental Cell Research</i> , 2019, 383, 111565.	2.6	7
30	Inhibition of cardiac Kv4.3 (Ito) channel isoforms by class I antiarrhythmic drugs lidocaine and mexiletine. <i>European Journal of Pharmacology</i> , 2020, 880, 173159.	3.5	5
31	Trigger-Specific Remodeling of KCa2 Potassium Channels in Models of Atrial Fibrillation. <i>Pharmacogenomics and Personalized Medicine</i> , 2021, Volume 14, 579-590.	0.7	5
32	Culture of Cardiogenic Stem Cells on PCL-Scaffolds: Towards the Creation of Beating Tissue Constructs. , 2013, , .		5
33	Improved Generation of Human Induced Pluripotent Stem Cell-Derived Cardiac Pacemaker Cells Using Novel Differentiation Protocols. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7318.	4.1	4
34	The Structural and the Functional Aspects of Intercellular Communication in iPSC-Cardiomyocytes. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4460.	4.1	3
35	Changes of EC-coupling and RyR Calcium Sensitivity in Dystrophic mdx Mouse Cardiomyocytes. <i>Biophysical Journal</i> , 2009, 96, 10a-11a.	0.5	2
36	Impaired Ca ²⁺ Release Synchronization in RyR2-S2808a Mouse Cardiomyocytes During β^2 -Adrenergic Stimulation. <i>Biophysical Journal</i> , 2010, 98, 550a.	0.5	1

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37	Cardiac Ryanodine Receptor Phosphorylation at Ser2808 is Involved in Intra-SR Calcium Sensing. Biophysical Journal, 2011, 100, 353a.	0.5	1
38	Insights into RyRs Dysfunctions via Studies of Intracellular Calcium Signals. Biophysical Journal, 2012, 102, 213a.	0.5	1
39	Hypersensitive Intracellular Ca ²⁺ Signaling Precedes Deterioration of Cardiac Functions in Muscular Dystrophy. Biophysical Journal, 2011, 100, 562a.	0.5	0
40	Biochemical, Cellular and Electrophysiological Characterization of HMCL-7304 a Human Skeletal Muscle-Derived Cell Line. Biophysical Journal, 2014, 106, 446a.	0.5	0
41	P682 Preserved contractile function of unloaded cardiomyocytes despite diminished sarcomere size is associated with troponin I activation. Cardiovascular Research, 2014, 103, S124.4-S125.	3.8	0
42	Targeting the Cardiac Sodium Channel to Increase Excitability of Stem-Cell Derived Cardiomyocytes. Biophysical Journal, 2017, 112, 19a.	0.5	0
43	Novel Microarchitecture Induces Functional Remodeling of the Calcium Signaling Mechanisms in Restructured iPSC-Cardiomyocytes. Biophysical Journal, 2017, 112, 537a.	0.5	0
44	Induced pluripotent stem cell-derived cardiomyocytes. , 2021, , 191-226.		0
45	Functional characterization of orbicularis oculi and extraocular muscles. Journal of Cell Biology, 2016, 213, 2133OIA96.	5.2	0