

Peter Lipp

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

7,641
citations

185998

28
h-index

88477

70
g-index

80
all docs

80
docs citations

80
times ranked

10172
citing authors

#	ARTICLE	IF	CITATIONS
19	Aberrant Deactivation-Induced Gain of Function in TRPM4 Mutant Is Associated with Human Cardiac Conduction Block. <i>Cell Reports</i> , 2018, 24, 724-731.	2.9	16
20	Silica nanoparticles of microrods enter lung epithelial cells. <i>Biomedical Reports</i> , 2018, 9, 156-160.	0.9	4
21	Subtype-specific promoter-driven action potential imaging for precise disease modelling and drug testing in hiPSC-derived cardiomyocytes. <i>European Heart Journal</i> , 2017, 38, ehw189.	1.0	62
22	PKC \pm diffusion and translocation are independent of an intact cytoskeleton. <i>Scientific Reports</i> , 2017, 7, 475.	1.6	5
23	Does Erythropoietin Regulate TRPC Channels in Red Blood Cells?. <i>Cellular Physiology and Biochemistry</i> , 2017, 41, 1219-1228.	1.1	16
24	Suppression of Arrhythmia by Enhancing Mitochondrial Ca ²⁺ Uptake in Catecholaminergic Ventricular Tachycardia Models. <i>JACC Basic To Translational Science</i> , 2017, 2, 737-747.	1.9	35
25	An adaptation of astronomical image processing enables characterization and functional 3D mapping of individual sites of excitation-contraction coupling in rat cardiac muscle. <i>ELife</i> , 2017, 6, .	2.8	9
26	A Porcine Animal Model for Early Meniscal Degeneration – Analysis of Histology, Gene Expression and Magnetic Resonance Imaging Six Months after Resection of the Anterior Cruciate Ligament. <i>PLoS ONE</i> , 2016, 11, e0159331.	1.1	10
27	C2-domain mediated nano-cluster formation increases calcium signaling efficiency. <i>Scientific Reports</i> , 2016, 6, 36028.	1.6	15
28	Hyperaldosteronism induces left atrial systolic and diastolic dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H1014-H1023.	1.5	16
29	Endothelin-1-induced remodelling of murine adult ventricular myocytes. <i>Cell Calcium</i> , 2016, 59, 41-53.	1.1	3
30	Cardiac remodeling in G \pm q and G \pm 11 knockout mice. <i>International Journal of Cardiology</i> , 2016, 202, 836-845.	0.8	7
31	Analysis of Gene Expression and Ultrastructure of Stifle Menisci from Juvenile and Adult Pigs. <i>Comparative Medicine</i> , 2016, 66, 30-40.	0.4	4
32	Differential Behavior of Fibroblasts and Epithelial Cells on Structured Implant Abutment Materials: A Comparison of Materials and Surface Topographies. <i>Clinical Implant Dentistry and Related Research</i> , 2015, 17, 1237-1249.	1.6	93
33	Genetically Encoded Voltage Indicators in Circulation Research. <i>International Journal of Molecular Sciences</i> , 2015, 16, 21626-21642.	1.8	22
34	A background Ca ²⁺ entry pathway mediated by TRPC1/TRPC4 is critical for development of pathological cardiac remodelling. <i>European Heart Journal</i> , 2015, 36, 2257-2266.	1.0	88
35	Conceptual and technical aspects of transfection and gene delivery. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 1171-1176.	1.0	61
36	Exercise Promotes Collateral Artery Growth Mediated by Monocytic Nitric Oxide. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1862-1871.	1.1	32

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37	Direct Nkx2-5 Transcriptional Repression of Isl1 Controls Cardiomyocyte Subtype Identity. <i>Stem Cells</i> , 2015, 33, 1113-1129.	1.4	76
38	Two-Photon Photolysis Combined with a Kilobeam Array Scanner to Probe Calcium Signaling in Cardiomyocytes. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot077008.	0.2	0
39	Confocal FLIM of Genetically Encoded FRET Sensors for Quantitative Ca ²⁺ Imaging. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot077040.	0.2	3
40	Two-Dimensional Imaging of Fast Intracellular Ca ²⁺ Release. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot077032.	0.2	0
41	Multi-Beam Two-Photon Imaging of Fast Ca ²⁺ Signals in the Langendorff Mouse Heart. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot077016.	0.2	4
42	Detecting calcium in cardiac muscle: fluorescence to dye for. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1687-H1690.	1.5	8
43	Targeted Activation of Conventional and Novel Protein Kinases C through Differential Translocation Patterns. <i>Molecular and Cellular Biology</i> , 2014, 34, 2370-2381.	1.1	31
44	Multi-Channel Imaging of Cellular Signaling: Interplay of Ca ²⁺ and Conventional Protein Kinase C. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot077024.	0.2	8
45	Genetically Encoded Ca ²⁺ Indicators in Cardiac Myocytes. <i>Circulation Research</i> , 2014, 114, 1623-1639.	2.0	60
46	Differential targeting of cPKC and nPKC decodes and regulates Ca ²⁺ and lipid signalling. <i>Biochemical Society Transactions</i> , 2014, 42, 1538-1542.	1.6	6
47	Calcium dysregulation in ventricular myocytes from mice expressing constitutively active Rac1. <i>Cell Calcium</i> , 2013, 54, 26-36.	1.1	10
48	Cardiac action potential imaging. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
49	G _i q and G _i 11 contribute to the maintenance of cellular electrophysiology and Ca ²⁺ handling in ventricular cardiomyocytes. <i>Cardiovascular Research</i> , 2012, 95, 48-58.	1.8	14
50	Mutation of the Calmodulin Binding Motif IQ of the L-type Cav1.2 Ca ²⁺ Channel to EQ Induces Dilated Cardiomyopathy and Death. <i>Journal of Biological Chemistry</i> , 2012, 287, 22616-22625.	1.6	26
51	Noise-Free Visualization of Microscopic Calcium Signaling by Pixel-Wise Fitting. <i>Circulation Research</i> , 2012, 111, 17-27.	2.0	27
52	Ca ²⁺ signaling and gene transcription in glucose-stimulated insulinoma cells. <i>Cell Calcium</i> , 2012, 52, 137-151.	1.1	21
53	Functional and morphological preservation of adult ventricular myocytes in culture by sub-micromolar cytochalasin D supplement. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 52, 113-124.	0.9	57
54	Induced Pluripotent Stem Cells in Cardiovascular Research. , 2012, 163, 1-26.		10

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55	Dantrolene rescues arrhythmogenic RYR2 defect in a patient-specific stem cell model of catecholaminergic polymorphic ventricular tachycardia. <i>EMBO Molecular Medicine</i> , 2012, 4, 180-191.	3.3	298
56	ATOM - an OMERO add-on for automated import of image data. <i>BMC Research Notes</i> , 2011, 4, 382.	0.6	5
57	Optical Action Potential Screening on Adult Ventricular Myocytes as an Alternative QT-screen. <i>Cellular Physiology and Biochemistry</i> , 2011, 27, 281-290.	1.1	30
58	Protein Kinase C: The "Masters" of Calcium and Lipid. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a004556-a004556.	2.3	74
59	Action Potentials in Heart Cells. <i>Springer Series on Fluorescence</i> , 2011, , 163-182.	0.8	3
60	Screening Action Potentials: The Power of Light. <i>Frontiers in Pharmacology</i> , 2011, 2, 42.	1.6	11
61	Cardiac safety screens: molecular, cellular, and optical advancements. , 2011, , .		3
62	A system for optical high resolution screening of electrical excitable cells. <i>Cell Calcium</i> , 2010, 47, 224-233.	1.1	19
63	Cardiac Rac1 overexpression in mice creates a substrate for atrial arrhythmias characterized by structural remodelling. <i>Cardiovascular Research</i> , 2010, 87, 485-493.	1.8	55
64	Remodelling of Ca ²⁺ handling organelles in adult rat ventricular myocytes during long term culture. <i>Journal of Molecular and Cellular Cardiology</i> , 2010, 49, 427-437.	0.9	30
65	Isolation and Genetic Manipulation of Adult Cardiac Myocytes for Confocal Imaging. <i>Journal of Visualized Experiments</i> , 2009, , .	0.2	25
66	Concepts for optical high content screens of excitable primary isolated cells for molecular imaging. <i>Proceedings of SPIE</i> , 2009, , .	0.8	1
67	A primary culture system for sustained expression of a calcium sensor in preserved adult rat ventricular myocytes. <i>Cell Calcium</i> , 2008, 43, 59-71.	1.1	47
68	Calcium imaging of individual erythrocytes: Problems and approaches. <i>Cell Calcium</i> , 2006, 39, 13-19.	1.1	83
69	Sustained Activity of Calcium Release-activated Calcium Channels Requires Translocation of Mitochondria to the Plasma Membrane. <i>Journal of Biological Chemistry</i> , 2006, 281, 40302-40309.	1.6	135
70	PKC ζ : a versatile key for decoding the cellular calcium toolkit. <i>Journal of Cell Biology</i> , 2006, 174, 521-533.	2.3	59
71	The role of inositol 1,4,5-trisphosphate receptors in Ca ²⁺ signalling and the generation of arrhythmias in rat atrial myocytes. <i>Journal of Physiology</i> , 2002, 541, 395-409.	1.3	202
72	Predetermined recruitment of calcium release sites underlies excitation-contraction coupling in rat atrial myocytes. <i>Journal of Physiology</i> , 2001, 530, 417-429.	1.3	127

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73	The versatility and universality of calcium signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2000, 1, 11-21.	16.1	4,933
74	Calcium signalling: Ringing changes to the "bell-shaped curve"™. <i>Current Biology</i> , 1999, 9, R876-R878.	1.8	36
75	Fundamental calcium release events revealed by two-photon excitation photolysis of caged calcium in guinea-pig cardiac myocytes. <i>Journal of Physiology</i> , 1998, 508, 801-809.	1.3	137
76	Hormone-evoked Elementary Ca ²⁺ Signals Are Not Stereotypic, but Reflect Activation of Different Size Channel Clusters and Variable Recruitment of Channels within a Cluster. <i>Journal of Biological Chemistry</i> , 1998, 273, 27130-27136.	1.6	84
77	A hierarchical concept of cellular and subcellular Ca ²⁺ -signalling. <i>Progress in Biophysics and Molecular Biology</i> , 1996, 65, 265-296.	1.4	76
78	Photolysis of caged compounds characterized by ratiometric confocal microscopy: a new approach to homogeneously control and measure the calcium concentration in cardiac myocytes. <i>Cell Calcium</i> , 1996, 19, 255-266.	1.1	55