Patrizia Camelliti

List of Publications by Year
in descending order

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51 papers	3,785 citations	201674 27 h-index	302126 39 g-index
53 all docs	53 docs citations	53 times ranked	4453 citing authors

#	Article	IF	Citations
1	Identification of the NADPH Oxidase (Nox) Subtype and the Source of Superoxide Production in the Micturition Centre. Biology, 2022, 11, 183.	2.8	3
2	Epicardial slices: an innovative 3D organotypic model to study epicardial cell physiology and activation. Npj Regenerative Medicine, 2022, 7, 7.	5.2	7
3	Emerging Bioelectronic Strategies for Cardiovascular Tissue Engineering and Implantation. Small, 2022, 18, e2105281.	10.0	18
4	Myocardial Viability Imaging using Manganeseâ€Enhanced MRI in the First Hours after Myocardial Infarction. Advanced Science, 2021, 8, e2003987.	11.2	8
5	The Myocardium in Aortic Stenosis Revisited. JACC: Cardiovascular Imaging, 2020, 13, 2270-2273.	5.3	0
6	DEP-Dots for 3D cell culture: low-cost, high-repeatability, effective 3D cell culture in multiple gel systems. Scientific Reports, 2020, 10, 14603.	3.3	2
7	A Protocol for Transverse Cardiac Slicing and Optical Mapping in Murine Heart. Frontiers in Physiology, 2019, 10, 755.	2.8	11
8	Tenâ€“Second Electrophysiology: Evaluation of the 3DEP Platform for high-speed, high-accuracy cell analysis. Scientific Reports, 2019, 9, 19153.	3.3	34
9	Cardiac fibrosis can be attenuated by blocking the activity of transglutaminase 2 using a selective small-molecule inhibitor. Cell Death and Disease, 2018, 9, 613.	6.3	65
10	Transverse cardiac slicing and optical imaging for analysis of transmural gradients in membrane potential and Ca²⁺ transients in murine heart. Journal of Physiology, 2018, 596, 3951-3965.	2.9	31
11	Role of Non-Myocyte Gap Junctions and Connexin Hemichannels in Cardiovascular Health and Disease: Novel Therapeutic Targets?. International Journal of Molecular Sciences, 2018, 19, 866.	4.1	53
12	118â€…Development and characterisation of an ex-vivo model of porcine myocardium for preclinical research. , 2018, , .		0
13	Electrotonic coupling of excitable and nonexcitable cells in the heart revealed by optogenetics. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14852-14857.	7.1	217
14	Human Organotypic Cultured Cardiac Slices: New Platform For High Throughput Preclinical Human Trials. Scientific Reports, 2016, 6, 28798.	3.3	98
15	Prolongation of atrio-ventricular node conduction in a rabbit model of ischaemic cardiomyopathy: Role of fibrosis and connexin remodelling. Journal of Molecular and Cellular Cardiology, 2016, 94, 54-64.	1.9	22
16	Functional crosstalk between cardiac fibroblasts and adult cardiomyocytes by soluble mediators. Cardiovascular Research, 2015, 105, 260-270.	3.8	123
17	MAPPING REGIONAL REPOLARISATION GRADIENTS IN THE FAILING HUMAN VENTRICLE USING CARDIAC SLICES. Heart, 2014, 100, A20.1-A20.	2.9	0
18	267Direct contact between human cardiac fibroblasts and human induced pluripotent stem cell-derived cardiomyocytes counteracts changes in calcium cycling induced by soluble mediators. Cardiovascular Research, 2014, 103, S48.3-S48.	3.8	0

#	Article	IF	Citations
19	P379Slowed conduction velocity in spontaneously hypertensive rat hearts is due to disease related remodelling. Cardiovascular Research, 2014, 103, S69.4-S69.	3.8	0
20	17â€…Cardiomyocytes Influence Fibroblast Proliferation and Î±-Smooth Muscle Actin Expression via the Secretion of Paracrine Mediators. Heart, 2014, 100, A6.3-A7.	2.9	1
21	Selective hydrophilic modification of Parylene C films: a new approach to cell micro-patterning for synthetic biology applications. Biofabrication, 2014, 6, 025004.	7.1	36
22	Electrophysiological and Structural Left Ventricle Remodelling in Spontaneously Hypertensive Rat Hearts: A Multicellular Study. Biophysical Journal, 2014, 106, 122a.	0.5	0
23	Direct Contact Between Human Cardiac Fibroblasts and Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes Counteracts Changes in Calcium Cycling Induced by Soluble Mediators. Biophysical Journal, 2014, 106, 730a.	0.5	0
24	The effect of microgrooved culture substrates on calcium cycling of cardiac myocytes derived from human induced pluripotent stem cells. Biomaterials, 2013, 34, 2399-2411.	11.4	154
25	Fibroblastâ€“myocyte connections in the heart. Heart Rhythm, 2012, 9, 461-464.	0.7	61
26	Structured Culture Scaffolds Improve the Calcium Handling Properties of Cardiomyocytes Differentiated from Induced Pluripotent Stem Cells. Biophysical Journal, 2012, 102, 103a.	0.5	2
27	In vivo MRI Characterization of Progressive Cardiac Dysfunction in the mdx Mouse Model of Muscular Dystrophy. PLoS ONE, 2012, 7, e28569.	2.5	61
28	Human Heart Slices - a Novel Multicellular System Suitable for Electrophysiological and Pharmacological Studies. Biophysical Journal, 2011, 100, 575a.	0.5	0
29	Adult human heart slices are a multicellular system suitable for electrophysiological and pharmacological studies. Journal of Molecular and Cellular Cardiology, 2011, 51, 390-398.	1.9	72
30	Pip5 Transduction Peptides Direct High Efficiency Oligonucleotide-mediated Dystrophin Exon Skipping in Heart and Phenotypic Correction in mdx Mice. Molecular Therapy, 2011, 19, 1295-1303.	8.2	120
31	Cardiosphere-Derived Cells Improve Function in the Infarcted Rat Heart for at Least 16 Weeks â€“ an MRI Study. PLoS ONE, 2011, 6, e25669.	2.5	70
32	Measurement and analysis of sarcomere length in rat cardiomyocytes in situ and in vitro. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H1616-H1625.	3.2	69
33	In vitro evaluation of novel antisense oligonucleotides is predictive of in vivo exon skipping activity for Duchenne muscular dystrophy. Journal of Gene Medicine, 2010, 12, 354-364.	2.8	19
34	Spatial regulation of intracellular pH in multicellular strands of neonatal rat cardiomyocytes. Cardiovascular Research, 2010, 85, 729-738.	3.8	11
35	Tissue Slices from Adult Mammalian Hearts as a Model for Pharmacological Drug Testing. Cellular Physiology and Biochemistry, 2009, 24, 527-536.	1.6	68
36	Axial Stretch of Rat Single Ventricular Cardiomyocytes Causes an Acute and Transient Increase in Ca ²⁺ Spark Rate. Circulation Research, 2009, 104, 787-795.	4.5	199

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37	Myocardial tissue slices: organotypic pseudo-2D models for cardiac research & development. Future Cardiology, 2009, 5, 425-430.	1.2	32
38	Effects of fibroblast-myocyte coupling on cardiac conduction and vulnerability to reentry: A computational study. Heart Rhythm, 2009, 6, 1641-1649.	0.7	163
39	Cardiac myocyteâ€“nonmyocyte electrotonic coupling: Implications for ventricular arrhythmogenesis. Heart Rhythm, 2007, 4, 233-235.	0.7	41
40	Structural and Functional Coupling of Cardiac Myocytes and Fibroblasts. , 2006, 42, 132-149.		86
41	Micropatterned cell cultures on elastic membranes as an in vitro model of myocardium. Nature Protocols, 2006, 1, 1379-1391.	12.0	77
42	Microstructured Cocultures of Cardiac Myocytes and Fibroblasts: A Two-DimensionalIn VitroModel of Cardiac Tissue. Microscopy and Microanalysis, 2005, 11, 249-259.	0.4	71
43	Electrical coupling of fibroblasts and myocytes: relevance for cardiac propagation. Journal of Electrocardiology, 2005, 38, 45-50.	0.9	206
44	Stretch-induced Cx43 remodelling in a 2D in vitro model of myocardium. Heart Rhythm, 2005, 2, S107.	0.7	0
45	Structural and functional characterisation of cardiac fibroblasts. Cardiovascular Research, 2005, 65, 40-51.	3.8	782
46	Fibroblast Network in Rabbit Sinoatrial Node. Circulation Research, 2004, 94, 828-835.	4.5	317
47	Spatially and temporally distinct expression of fibroblast connexins after sheep ventricular infarction. Cardiovascular Research, 2004, 62, 415-425.	3.8	157
48	Requirement of neuronal- and cardiac-type sodium channels for murine sinoatrial node pacemaking. Journal of Physiology, 2004, 559, 835-848.	2.9	174
49	Interrelation of Cardiac Fibroblasts and Myocytes: New Tools and Insights. Microscopy and Microanalysis, 2004, 10, 1398-1399.	0.4	0
50	Role of the 293b-sensitive, slowly activating delayed rectifier potassium current, iKs, in pacemaker activity of rabbit isolated sino-atrial node cells. Cardiovascular Research, 2002, 53, 68-79.	3.8	42
51	Porcine Organotypic Epicardial Slice Protocol: A Tool for the Study of Epicardium in Cardiovascular Research. Frontiers in Cardiovascular Medicine, 0, 9, .	2.4	2