

# Isotta Chimenti

## List of Publications by Year in descending order

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79  
papers

3,095  
citations

218381

26  
h-index

161609

54  
g-index

80  
all docs

80  
docs citations

80  
times ranked

4706  
citing authors

#	ARTICLE	IF	CITATIONS
1	Relative Roles of Direct Regeneration Versus Paracrine Effects of Human Cardiosphere-Derived Cells Transplanted Into Infarcted Mice. <i>Circulation Research</i> , 2010, 106, 971-980.	2.0	609
2	A Review of the Molecular Mechanisms Underlying the Development and Progression of Cardiac Remodeling. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-16.	1.9	294
3	Acute Impact of Tobacco vs Electronic Cigarette Smoking on Oxidative Stress and Vascular Function. <i>Chest</i> , 2016, 150, 606-612.	0.4	292
4	An overview of the inflammatory signalling mechanisms in the myocardium underlying the development of diabetic cardiomyopathy. <i>Cardiovascular Research</i> , 2017, 113, 378-388.	1.8	164
5	Acute Effects of Heat-Not-Burn, Electronic Vaping, and Traditional Tobacco Combustion Cigarettes: The Sapienza University of Rome Vascular Assessment of Proatherosclerotic Effects of Smoking (SURVAPES) 2 Randomized Trial. <i>Journal of the American Heart Association</i> , 2019, 8, e010455.	1.6	112
6	Differentiation of human adult cardiac stem cells exposed to extremely low-frequency electromagnetic fields. <i>Cardiovascular Research</i> , 2009, 82, 411-420.	1.8	104
7	Identification and functionality of proteomes secreted by rat cardiac stem cells and neonatal cardiomyocytes. <i>Proteomics</i> , 2010, 10, 245-253.	1.3	98
8	Cardiac stem cells: isolation, expansion and experimental use for myocardial regeneration. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2007, 4, S9-S14.	3.3	94
9	EMT/MET at the Crossroad of Stemness, Regeneration and Oncogenesis: The Ying-Yang Equilibrium Recapitulated in Cell Spheroids. <i>Cancers</i> , 2017, 9, 98.	1.7	62
10	Pharmacological restoration of autophagy reduces hypertension-related stroke occurrence. <i>Autophagy</i> , 2020, 16, 1468-1481.	4.3	60
11	Human cardiosphere-seeded gelatin and collagen scaffolds as cardiogenic engineered bioconstructs. <i>Biomaterials</i> , 2011, 32, 9271-9281.	5.7	59
12	Isolation and Expansion of Adult Cardiac Stem/Progenitor Cells in the Form of Cardiospheres from Human Cardiac Biopsies and Murine Hearts. <i>Methods in Molecular Biology</i> , 2012, 879, 327-338.	0.4	57
13	Automated Segmentation of Fluorescence Microscopy Images for 3D Cell Detection in human-derived Cardiospheres. <i>Scientific Reports</i> , 2019, 9, 6644.	1.6	44
14	Serum and supplement optimization for <sc>EU GMP</sc>-compliance in cardiospheres cell culture. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 624-634.	1.6	41
15	Circulating tumor cells. <i>Cancer Biology and Therapy</i> , 2014, 15, 496-503.	1.5	40
16	Functional Impairment of Human Resident Cardiac Stem Cells by the Cardiotoxic Antineoplastic Agent Trastuzumab. <i>Stem Cells Translational Medicine</i> , 2012, 1, 289-297.	1.6	36
17	Ion Cyclotron Resonance as a Tool in Regenerative Medicine. <i>Electromagnetic Biology and Medicine</i> , 2008, 27, 127-133.	0.7	34
18	TGF $\beta$ -Dependent Epithelial-to-Mesenchymal Transition Is Required to Generate Cardiospheres from Human Adult Heart Biopsies. <i>Stem Cells and Development</i> , 2012, 21, 3081-3090.	1.1	34

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19	Role of NOX2 in mediating doxorubicin-induced senescence in human endothelial progenitor cells. <i>Mechanisms of Ageing and Development</i> , 2016, 159, 37-43.	2.2	33
20	β-blockers treatment of cardiac surgery patients enhances isolation and improves phenotype of cardiosphere-derived cells. <i>Scientific Reports</i> , 2016, 6, 36774.	1.6	31
21	Cardiospheres and tissue engineering for myocardial regeneration: potential for clinical application. <i>Journal of Cellular and Molecular Medicine</i> , 2010, 14, no-no.	1.6	30
22	Circulating tumor cells in metastatic colorectal cancer: do we need an alternative cutoff?. <i>Journal of Cancer Research and Clinical Oncology</i> , 2013, 139, 1411-1416.	1.2	30
23	Stem Cell Spheroids and Ex Vivo Niche Modeling: Rationalization and Scaling-Up. <i>Journal of Cardiovascular Translational Research</i> , 2017, 10, 150-166.	1.1	30
24	Epicatechin and Catechin Modulate Endothelial Activation Induced by Platelets of Patients with Peripheral Artery Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-9.	1.9	29
25	Cardiac Cell Therapy: The Next (Re)Generation. <i>Stem Cell Reviews and Reports</i> , 2011, 7, 1018-1030.	5.6	28
26	State of the Art on the Evidence Base in Cardiac Regenerative Therapy: Overview of 41 Systematic Reviews. <i>BioMed Research International</i> , 2015, 2015, 1-7.	0.9	27
27	The adipose tissue of origin influences the biological potential of human adipose stromal cells isolated from mediastinal and subcutaneous fat depots. <i>Stem Cell Research</i> , 2016, 17, 342-351.	0.3	27
28	The Impact of Environmental Factors in Influencing Epigenetics Related to Oxidative States in the Cardiovascular System. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-18.	1.9	27
29	New Perspectives to Repair a Broken Heart. <i>Cardiovascular and Hematological Agents in Medicinal Chemistry</i> , 2009, 7, 91-107.	0.4	26
30	Bone marrow-derived cells can acquire cardiac stem cells properties in damaged heart. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 63-71.	1.6	26
31	Cardiac Mechanoperception: A Life-Long Story from Early Beats to Aging and Failure. <i>Stem Cells and Development</i> , 2017, 26, 77-90.	1.1	26
32	Reduction of Cardiac Fibrosis by Interference With YAP-Dependent Transactivation. <i>Circulation Research</i> , 2022, 131, 239-257.	2.0	26
33	New Insights into the Steen Solution Properties: Breakthrough in Antioxidant Effects via NOX2 Downregulation. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-10.	1.9	25
34	Cardiosphere Conditioned Media Influence the Plasticity of Human Mediastinal Adipose Tissue-Derived Mesenchymal Stem Cells. <i>Cell Transplantation</i> , 2015, 24, 2307-2322.	1.2	25
35	Human Lung Spheroids as In Vitro Niches of Lung Progenitor Cells with Distinctive Paracrine and Plasticity Properties. <i>Stem Cells Translational Medicine</i> , 2017, 6, 767-777.	1.6	23
36	From Ontogenesis to Regeneration. <i>Progress in Molecular Biology and Translational Science</i> , 2012, 111, 109-137.	0.9	22

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37	Impact of chronic use of heat-not-burn cigarettes on oxidative stress, endothelial dysfunction and platelet activation: the SUR-VAPES Chronic Study. <i>Thorax</i> , 2021, 76, 618-620.	2.7	22
38	Cytoprotective and Antioxidant Effects of Steen Solution on Human Lung Spheroids and Human Endothelial Cells. <i>American Journal of Transplantation</i> , 2017, 17, 1885-1894.	2.6	21
39	Beta2-adrenergic signaling affects the phenotype of human cardiac progenitor cells through EMT modulation. <i>Pharmacological Research</i> , 2018, 127, 41-48.	3.1	20
40	Total Adiponectin Is Inversely Associated with Platelet Activation and CHA <sub>2</sub> DS <sub>2</sub> -VASc Score in Anticoagulated Patients with Atrial Fibrillation. <i>Mediators of Inflammation</i> , 2014, 2014, 1-6.	1.4	19
41	Getting Old through the Blood: Circulating Molecules in Aging and Senescence of Cardiovascular Regenerative Cells. <i>Frontiers in Cardiovascular Medicine</i> , 2017, 4, 62.	1.1	19
42	Normal versus Pathological Cardiac Fibroblast-Derived Extracellular Matrix Differentially Modulates Cardiosphere-Derived Cell Paracrine Properties and Commitment. <i>Stem Cells International</i> , 2017, 2017, 1-9.	1.2	19
43	The Biological Mechanisms of Action of Cardiac Progenitor Cell Therapy. <i>Current Cardiology Reports</i> , 2018, 20, 84.	1.3	19
44	Building an Artificial Cardiac Microenvironment: A Focus on the Extracellular Matrix. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 559032.	1.8	19
45	Profiling the Acute Effects of Modified Risk Products: Evidence from the SUR-VAPES (Sapienza) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Current <i>Atherosclerosis Reports</i> , 2020, 22, 8.	2.0	17
46	The Potential of GMP-Compliant Platelet Lysate to Induce a Permissive State for Cardiovascular Transdifferentiation in Human Mediastinal Adipose Tissue-Derived Mesenchymal Stem Cells. <i>BioMed Research International</i> , 2015, 2015, 1-10.	0.9	16
47	The Microenvironment of Decellularized Extracellular Matrix from Heart Failure Myocardium Alters the Balance between Angiogenic and Fibrotic Signals from Stromal Primitive Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7903.	1.8	16
48	Analysis of Pregnancy-Associated Plasma Protein A Production in Human Adult Cardiac Progenitor Cells. <i>BioMed Research International</i> , 2013, 2013, 1-8.	0.9	15
49	Predictors of oxidative stress and vascular function in an experimental study of tobacco versus electronic cigarettes: A post hoc analysis of the SUR-VAPES 1 Study. <i>Tobacco Induced Diseases</i> , 2018, 16, 18.	0.3	15
50	On the Road to Regeneration: "Tools" and "Routes" Towards Efficient Cardiac Cell Therapy for Ischemic Cardiomyopathy. <i>Current Cardiology Reports</i> , 2019, 21, 133.	1.3	12
51	Exosomes isolation protocols facts and artifacts for cardiac regeneration. <i>Frontiers in Bioscience - Scholar</i> , 2016, 8, 303-311.	0.8	11
52	Inhibition of miR-155 Attenuates Detrimental Vascular Effects of Tobacco Cigarette Smoking. <i>Journal of the American Heart Association</i> , 2020, 9, e017000.	1.6	11
53	Long-Term Home Noninvasive Mechanical Ventilation Increases Systemic Inflammatory Response in Chronic Obstructive Pulmonary Disease: A Prospective Observational Study. <i>Mediators of Inflammation</i> , 2014, 2014, 1-11.	1.4	9
54	Thrombin and thrombin-derived peptides promote proliferation of cardiac progenitor cells in the form of cardiospheres without affecting their differentiation potential. <i>Journal of Biological Regulators and Homeostatic Agents</i> , 2011, 25, S43-51.	0.7	9

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55	c-kit cardiac progenitor cells: What is their potential?. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, E78; author reply E79.	3.3	8
56	A Novel Closed-Chest Porcine Model of Chronic Ischemic Heart Failure Suitable for Experimental Research in Cardiovascular Disease. BioMed Research International, 2013, 2013, 1-8.	0.9	8
57	Cardiac Progenitor Cells: The Matrix Has You. Stem Cells Translational Medicine, 2018, 7, 506-510.	1.6	8
58	A snapshot global survey on side effects of COVID-19 vaccines among healthcare professionals and armed forces with a focus on headache. Panminerva Medica, 2021, 63, 324-331.	0.2	8
59	Biochemistry and biology: Heart-to-heart to investigate cardiac progenitor cells. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 2459-2469.	1.1	7
60	Editorial: Fibrosis and Inflammation in Tissue Pathophysiology. Frontiers in Physiology, 2021, 12, 830683.	1.3	6
61	Sex Differences of Human Cardiac Progenitor Cells in the Biological Response to TNF- $\alpha$ Treatment. Stem Cells International, 2017, 2017, 1-9.	1.2	5
62	Oral Plaque from Type 2 Diabetic Patients Reduces the Clonogenic Capacity of Dental Pulp-Derived Mesenchymal Stem Cells. Stem Cells International, 2019, 2019, 1-7.	1.2	5
63	Biologic Therapy for Psoriatic Arthritis or Moderate to Severe Plaque Psoriasis: Systematic Review with Pairwise and Network Meta-Analysis. International Journal of Statistics in Medical Research, 2014, 3, 74-87.	0.5	5
64	Aging-Related Decline of Autophagy in Patients with Atrial Fibrillation—A Post Hoc Analysis of the ATHERO-AF Study. Antioxidants, 2022, 11, 698.	2.2	5
65	Histone acetylation favours the cardiovascular commitment of adipose tissue-derived stromal cells. International Journal of Cardiology, 2017, 243, 421-423.	0.8	3
66	Cell-Derived Exosomes for Cardiovascular Therapies. Hypertension, 2018, 72, 279-280.	1.3	3
67	An International Survey on Taking Up a Career in Cardiovascular Research: Opportunities and Biases toward Would-Be Physician-Scientists. PLoS ONE, 2015, 10, e0131900.	1.1	2
68	Cardiac Recovery During Long-Term LVAD. Journal of the American College of Cardiology, 2017, 69, 1880-1881.	1.2	2
69	The impact of autophagy modulation on phenotype and survival of cardiac stromal cells under metabolic stress. Cell Death Discovery, 2022, 8, 149.	2.0	2
70	Innovative In Vitro Models for the Study of Lung Diseases. , 0, , .		1
71	Bridging regenerative medicine based therapies into the 21st Century: solo or symphony?. International Archive of Medicine, 0, , .	1.2	1
72	Sex-Related Differences in Oxidative, Platelet, and Vascular Function in Chronic Users of Heat-not-Burn vs. Traditional Combustion Cigarettes. Antioxidants, 2022, 11, 1237.	2.2	1

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73	Human cardiac progenitor cells secrete paracrine factors in vitro and in vivo. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 44, 802-803.	0.9	0
74	Adrenergic receptors and cardiac progenitor cell biology: What is the real connection?. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 7125-7126.	1.2	0
75	Meet Our Associate Editorial Board Member. <i>Current Stem Cell Research and Therapy</i> , 2019, 14, 373-373.	0.6	0
76	Evidence for the Existence of Resident Cardiac Stem Cells. , 2011, , 131-147.		0
77	Comparative Risk-Benefit Analysis of Different Classes of Biologic Agents in Patients with Psoriasis: A Case Study on the Pros and Cons of Mixed Treatment Comparison in Synthesizing Complex Evidence Networks. <i>International Journal of Statistics in Medical Research</i> , 2014, 3, 231-247.	0.5	0
78	Open Challenges and New Perspectives in Cardiac Regenerative Medicine. <i>Current Stem Cell Research and Therapy</i> , 2020, 15, 647-648.	0.6	0
79	The dynamic facets of the cardiac stroma: from classical markers to omics and translational perspectives.. <i>American Journal of Translational Research (discontinued)</i> , 2022, 14, 1172-1187.	0.0	0