

Stefano Rossi

List of Publications by Year in descending order

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48
papers

1,094
citations

430442

18
h-index

414034

32
g-index

51
all docs

51
docs citations

51
times ranked

1941
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic recovery of impulse propagation in myocardial infarction via silicon carbide semiconductive nanowires. <i>Nature Communications</i> , 2022, 13, 6.	5.8	7
2	Maternal air pollution exposure during the first trimester of pregnancy and markers of inflammation and endothelial dysfunction. <i>Environmental Research</i> , 2022, 212, 113216.	3.7	15
3	3D Printed Masks for Powders and Viruses Safety Protection Using Food Grade Polymers: Empirical Tests. <i>Polymers</i> , 2021, 13, 617.	2.0	12
4	Nanoscale Study of Calcium Handling Remodeling in Right Ventricular Cardiomyocytes Following Pulmonary Hypertension. <i>Hypertension</i> , 2021, 77, 605-616.	1.3	9
5	Right ventricular functional recovery depends on timing of pulmonary valve replacement in tetralogy of Fallot: a video kinematic study. <i>European Journal of Cardio-thoracic Surgery</i> , 2021, 59, 1329-1336.	0.6	5
6	Bionics-based surgical training using 3D printed photopolymers and smart devices. , 2021, , .		0
7	Exposure to nanoparticles derived from diesel particulate filter equipped engine increases vulnerability to arrhythmia in rat hearts. <i>Environmental Pollution</i> , 2021, 284, 117163.	3.7	10
8	Artificial Intelligence Supports Decision Making during Open-Chest Surgery of Rare Congenital Heart Defects. <i>Journal of Clinical Medicine</i> , 2021, 10, 5330.	1.0	10
9	In-situ optical assessment of rat epicardial kinematic parameters reveals frequency-dependent mechanic heterogeneity related to gender. <i>Progress in Biophysics and Molecular Biology</i> , 2020, 154, 94-101.	1.4	6
10	Highly-defined bioprinting of long-term vascularized scaffolds with Bio-Trap: Complex geometry functionalization and process parameters with computer aided tissue engineering. <i>Materialia</i> , 2020, 9, 100560.	1.3	16
11	Smart Society and Artificial Intelligence: Big Data Scheduling and the Global Standard Method Applied to Smart Maintenance. <i>Engineering</i> , 2020, 6, 835-846.	3.2	93
12	INSIDE Project: Individual Air Pollution Exposure, Extracellular Vesicles Signaling and Hypertensive Disorder Development in Pregnancy. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9046.	1.2	8
13	In-vivo vascular application via ultra-fast bioprinting for future 5D personalised nanomedicine. <i>Scientific Reports</i> , 2020, 10, 3205.	1.6	28
14	3D Reconstruction Cutting and Smart Devices for Personalized Medicine. , 2020, , .		1
15	Left ventricular geometry correlates with early repolarization pattern in adolescent athletes. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019, 29, 1727-1735.	1.3	14
16	Subchronic exposure to titanium dioxide nanoparticles modifies cardiac structure and performance in spontaneously hypertensive rats. <i>Particle and Fibre Toxicology</i> , 2019, 16, 25.	2.8	32
17	Innovation in nanomedicine and engineered nanomaterials for therapeutic purposes. , 2019, , 235-262.		7
18	Real-time video kinematic evaluation of the in situ beating right ventricle after pulmonary valve replacement in patients with tetralogy of Fallot: a pilot study. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019, 29, 625-631.	0.5	5

#	ARTICLE	IF	CITATIONS
19	Bio composite materials: nano functionalization of 4D bio engineered scaffold. , 2019, , .		7
20	Inhalation of peptide-loaded nanoparticles improves heart failure. Science Translational Medicine, 2018, 10, .	5.8	132
21	Claimed effects, outcome variables and methods of measurement for health claims on foods proposed under European Community Regulation 1924/2006 in the area of appetite ratings and weight management. International Journal of Food Sciences and Nutrition, 2018, 69, 389-409.	1.3	13
22	RELATIONSHIP BETWEEN LYMPHANGIOGENESIS, TISSUE MACROPHAGES EXPRESSION AND SUBCUTANEOUS SODIUM CONCENTRATION. Journal of Hypertension, 2018, 36, e97-e98.	0.3	0
23	Role of Electrotonic Current in Excitable Cells. SEMA SIMAI Springer Series, 2018, , 87-114.	0.4	0
24	A combined low-frequency electromagnetic and fluidic stimulation for a controlled drug release from superparamagnetic calcium phosphate nanoparticles: potential application for cardiovascular diseases. Journal of the Royal Society Interface, 2018, 15, 20180236.	1.5	19
25	Claimed effects, outcome variables and methods of measurement for health claims proposed under European Community Regulation 1924/2006 in the framework of protection against oxidative damage and cardiovascular health. Nutrition, Metabolism and Cardiovascular Diseases, 2017, 27, 473-503.	1.1	28
26	Effect of anisotropy on ventricular vulnerability to unidirectional block and reentry by single premature stimulation during normal sinus rhythm in rat heart. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H584-H607.	1.5	5
27	Cardiac kinematic parameters computed from video of in situ beating heart. Scientific Reports, 2017, 7, 46143.	1.6	13
28	Outcome variables and methods of measurement for health claims proposed under European community regulation 1924/2006 in the framework of prevention of dyslipidaemia and cardiovascular diseases. Atherosclerosis, 2017, 263, e203.	0.4	0
29	Antiarrhythmic effect of growth factor-supplemented cardiac progenitor cells in chronic infarcted heart. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H1622-H1648.	1.5	23
30	Cardioprotective effects of fatty acid amide hydrolase inhibitor URB694, in a rodent model of trait anxiety. Scientific Reports, 2016, 5, 18218.	1.6	18
31	Peptidomimetic Targeting of Ca ^v 2 Overcomes Dysregulation of the L-Type Calcium Channel Density and Recovers Cardiac Function. Circulation, 2016, 134, 534-546.	1.6	42
32	Antidepressant-like activity and cardioprotective effects of fatty acid amide hydrolase inhibitor URB694 in socially stressed Wistar Kyoto rats. European Neuropsychopharmacology, 2015, 25, 2157-2169.	0.3	27
33	The Effect of Aging on the Specialized Conducting System: A Telemetry ECG Study in Rats over a 6 Month Period. PLoS ONE, 2014, 9, e112697.	1.1	35
34	Can a single low-intensity premature stimulus induce ventricular arrhythmias in the normal heart?. Journal of Biological Research (Italy), 2014, 87, .	0.0	1
35	Titanium dioxide nanoparticles promote arrhythmias via a direct interaction with rat cardiac tissue. Particle and Fibre Toxicology, 2014, 11, 63.	2.8	76
36	Arrhythmia susceptibility in senescent rat hearts. Journal of Biological Research (Italy), 2014, 87, .	0.0	0

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37	Signs of Cardiac Autonomic Imbalance and Proarrhythmic Remodeling in FTO Deficient Mice. PLoS ONE, 2014, 9, e95499.	1.1	41
38	Structural and Electrical Myocardial Remodeling in a Rodent Model of Depression. Psychosomatic Medicine, 2013, 75, 42-51.	1.3	42
39	Stress-Induced Susceptibility to Sudden Cardiac Death in Mice with Altered Serotonin Homeostasis. PLoS ONE, 2012, 7, e41184.	1.1	30
40	Growth Factor-Induced Mobilization of Cardiac Progenitor Cells Reduces the Risk of Arrhythmias, in a Rat Model of Chronic Myocardial Infarction. PLoS ONE, 2011, 6, e17750.	1.1	31
41	N ^ε -lysine acetylation determines dissociation from GAP junctions and lateralization of connexin 43 in normal and dystrophic heart. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 2795-2800.	3.3	93
42	Repetitive psychosocial stress elicits enduring behavioural and proarrhythmic effects in rats. FASEB Journal, 2011, 25, 1075.4.	0.2	0
43	The histone deacetylase inhibitor suberoylanilide hydroxamic acid reduces cardiac arrhythmias in dystrophic mice. Cardiovascular Research, 2010, 87, 73-82.	1.8	43
44	Ventricular activation is impaired in aged rat hearts. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H2336-H2347.	1.5	37
45	Susceptibility to Ventricular Arrhythmias in Aged Hearts. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 410-4.	0.5	5
46	Preservation of ventricular performance at early stages of diabetic cardiomyopathy involves changes in myocyte size, number and intercellular coupling. Basic Research in Cardiology, 2007, 102, 488-499.	2.5	30
47	Optical mapping of propagation changes induced by elevated extracellular potassium ion concentration in genetically altered mouse hearts. Journal of Electrocardiology, 2004, 37, 128-134.	0.4	10
48	Does cardiac pacing reproduce the mechanism of focal impulse initiation?. Journal of Electrocardiology, 2004, 37, 135-143.	0.4	15