Salvatore Mancarella

List of Publications by Year
in descending order

30 papers	1,589 citations	516710 16 h-index	477307 29 g-index
30 all docs	30 docs citations	30 times ranked	2079 citing authors

#	Article	IF	Citations
1	Cardiacâ€Specific Deletion of Orai3 Leads to Severe Dilated Cardiomyopathy and Heart Failure in Mice. Journal of the American Heart Association, 2021, 10, e019486.	3.7	12
2	Deficiency in ST2 signaling ameliorates RSV-associated pulmonary hypertension. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H309-H317.	3.2	2
3	TREK-1 protects the heart against ischemia-reperfusion-induced injury and from adverse remodeling after myocardial infarction. Pflugers Archiv European Journal of Physiology, 2019, 471, 1263-1272.	2.8	13
4	Elevated plasma catecholamines functionally compensate for the reduced myogenic tone in smooth muscle STIM1 knockout mice but with deleterious cardiac effects. Cardiovascular Research, 2018, 114, 668-678.	3.8	11
5	New mouse model of pulmonary hypertension induced by respiratory syncytial virus bronchiolitis. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H581-H589.	3.2	10
6	Novel Paradigms GoverningÎ²₁-Adrenergic Receptor Trafficking in Primary Adult Rat Cardiac Myocytes. Molecular Pharmacology, 2018, 94, 862-875.	2.3	8
7	Identification of novel transplantable GPCR recycling motif for drug discovery. Biochemical Pharmacology, 2016, 120, 22-32.	4.4	12
8	STIM1-dependent Ca2+ microdomains are required for myofilament remodeling and signaling in the heart. Scientific Reports, 2016, 6, 25372.	3.3	38
9	Long-term Blood Pressure Measurement in Freely Moving Mice Using Telemetry. Journal of Visualized Experiments, 2016, , .	0.3	9
10	Myofibroblast secretome and its auto-/paracrine signaling. Expert Review of Cardiovascular Therapy, 2016, 14, 591-598.	1.5	25
11	Atrophied cardiomyocytes and their potential for rescue and recovery of ventricular function. Heart Failure Reviews, 2016, 21, 191-198.	3.9	11
12	Distinct Orai-coupling domains in STIM1 and STIM2 define the Orai-activating site. Nature Communications, 2014, 5, 3183.	12.8	140
13	Targeted STIM deletion impairs calcium homeostasis, NFAT activation, and growth of smooth muscle. FASEB Journal, 2013, 27, 893-906.	0.5	67
14	Gene disruption of the calcium channel Orai1 results in inhibition of osteoclast and osteoblast differentiation and impairs skeletal development. Laboratory Investigation, 2012, 92, 1071-1083.	3.7	62
15	Hypoxia-induced Acidosis Uncouples the STIM-Orai Calcium Signaling Complex*. Journal of Biological Chemistry, 2011, 286, 44788-44798.	3.4	51
16	Rescue and Worsening of Congenital Heart Blockâ€Associated Electrocardiographic Abnormalities in Two Transgenic Mice. Journal of Cardiovascular Electrophysiology, 2011, 22, 922-930.	1.7	38
17	STIM1 senses both Ca2+ and heat. Nature Chemical Biology, 2011, 7, 344-345.	8.0	12
18	The Calcium Store Sensor, STIM1, Reciprocally Controls Orai and Ca _V 1.2 Channels. Science, 2010, 330, 105-109.	12.6	309

#	Article	IF	Citations
19	Congenital heart block: Identification of autoantibody binding site on the extracellular loop (domain) Tj ETQq1 1 0.784314 rgBT /Ove	6.5	59
20	Critical Role for the Calcium-Release Activated Calcium Channel Orai1 In RANKL-Stimulated Osteoclast Formation From Monocytic Cells. Blood, 2010, 116, 928-928.	1.4	1
21	The Short N-terminal Domains of STIM1 and STIM2 Control the Activation Kinetics of Orai1 Channels. Journal of Biological Chemistry, 2009, 284, 19164-19168.	3.4	97
22	Calcium Signals: STIM Dynamics Mediate Spatially Unique Oscillations. Current Biology, 2009, 19, R950-R952.	3.9	17
23	Silencing of Cav1.2 gene in neonatal cardiomyocytes by lentiviral delivered shRNA. Biochemical and Biophysical Research Communications, 2009, 384, 409-414.	2.1	16
24	Silencing of Cav1.2 gene in Rat Neonatal Cardiomyocytes by Lentiviral delivered shRNA. Biophysical Journal, 2009, 96, 180a-181a.	0.5	0
25	STIM protein coupling in the activation of Orai channels. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7391-7396.	7.1	121
26	Impaired Ca²⁺ homeostasis is associated with atrial fibrillation in the Î±_{1D} L-type Ca²⁺ channel KO mouse. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H2017-H2024.	3.2	53
27	Stabilization of cardiac ryanodine receptor prevents intracellular calcium leak and arrhythmias. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7906-7910.	7.1	209
28	Paradoxical Effect of Dofetilide on Action Potential Duration and Calcium Transient Amplitude in Newborn Rabbit Ventricular Myocytes. Journal of Cardiovascular Pharmacology, 2005, 45, 165-174.	1.9	5
29	Promotion of regeneration of corticospinal tract axons in rats with recombinant vascular endothelial growth factor alone and combined with adenovirus coding for this factor. Journal of Neurosurgery, 2002, 97, 161-168.	1.6	135
30	Sugar-Induced Modification of Fibroblast Growth Factor 2 Reduces Its Angiogenic Activity in Vivo. American Journal of Pathology, 2002, 161, 531-541.	3.8	46