

Tarik Smani

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

2,412
citations

172457

29
h-index

223800

46
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94
all docs

94
docs citations

94
times ranked

2998
citing authors

#	ARTICLE	IF	CITATIONS
1	Implication of CREB in the calcium regulation by ischemia/reperfusion in cardiomyocytes. <i>Journal of General Physiology</i> , 2022, 154, .	1.9	0
2	Essential role of Orai1 and SARAF in vascular remodeling. <i>Journal of General Physiology</i> , 2022, 154, .	1.9	1
3	Emergent role of SARAF and store-operated Ca ²⁺ entry in angiogenesis. <i>Journal of General Physiology</i> , 2022, 154, .	1.9	0
4	Orai1 ^{1±} , but not Orai1 ² , co-localizes with TRPC1 and is required for its plasma membrane location and activation in HeLa cells. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 33.	5.4	9
5	Cardiac protection induced by urocortin-2 enables the regulation of apoptosis and fibrosis after ischemia and reperfusion involving miR-29a modulation. <i>Molecular Therapy - Nucleic Acids</i> , 2022, 27, 838-853.	5.1	8
6	Predicted Value of MicroRNAs, Vascular Endothelial Growth Factor, and Intermediate Monocytes in the Left Adverse Ventricular Remodeling in Revascularized ST-Segment Elevation Myocardial Infarction Patients. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 777717.	2.4	1
7	Orai2 Modulates Store-Operated Ca ²⁺ Entry and Cell Cycle Progression in Breast Cancer Cells. <i>Cancers</i> , 2022, 14, 114.	3.7	17
8	Tissue engineered in-vitro vascular patch fabrication using hybrid 3D printing and electrospinning. <i>Materials Today Bio</i> , 2022, 14, 100252.	5.5	7
9	Melatonin downregulates TRPC6, impairing store-operated calcium entry in triple-negative breast cancer cells. <i>Journal of Biological Chemistry</i> , 2021, 296, 100254.	3.4	16
10	miR-30b-5p Downregulation as a Predictive Biomarker of Coronary In-Stent Restenosis. <i>Biomedicines</i> , 2021, 9, 354.	3.2	2
11	Editorial: Involvements of TRP Channels, Oxidative Stress and Apoptosis in Neurodegenerative Diseases. <i>Frontiers in Physiology</i> , 2021, 12, 649230.	2.8	7
12	SARAF and Orai1 Contribute to Endothelial Cell Activation and Angiogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 639952.	3.7	12
13	Furin Prodomain ppFurin Enhances Ca ²⁺ Entry Through Orai and TRPC6 Channels's™ Activation in Breast Cancer Cells. <i>Cancers</i> , 2021, 13, 1670.	3.7	10
14	Ca ²⁺ mishandling in heart failure: Potential targets. <i>Acta Physiologica</i> , 2021, 232, e13691.	3.8	11
15	Clinical impact of rotational thromboelastometry in cardiac surgery. <i>Transfusion Clinique Et Biologique</i> , 2021, 28, 276-282.	0.4	2
16	SARAF and EFHB Modulate Store-Operated Ca ²⁺ Entry and Are Required for Cell Proliferation, Migration and Viability in Breast Cancer Cells. <i>Cancers</i> , 2021, 13, 4160.	3.7	9
17	Editorial: Molecular Components of Store-Operated Calcium Entry in Health and Disease. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 771138.	3.7	2
18	Urocortin Role in Ischemia Cardioprotection and the Adverse Cardiac Remodeling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12115.	4.1	2

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19	Editorial: A Compendium of Recent Research on Stem Cell-Based Therapy for Covid-19. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 813384.	3.7	0
20	Role of Orai1 and L-type CaV1.2 channels in Endothelin-1 mediated coronary contraction under ischemia and reperfusion. <i>Cell Calcium</i> , 2020, 86, 102157.	2.4	9
21	Innate Immune Receptors, Key Actors in Cardiovascular Diseases. <i>JACC Basic To Translational Science</i> , 2020, 5, 735-749.	4.1	45
22	TRPC and TRPV Channelsâ€™ Role in Vascular Remodeling and Disease. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6125.	4.1	20
23	TRPC Channels: Dysregulation and Ca ²⁺ Mishandling in Ischemic Heart Disease. <i>Cells</i> , 2020, 9, 173.	4.1	20
24	TRPC Channels in the SOCE Scenario. <i>Cells</i> , 2020, 9, 126.	4.1	61
25	Circulating miR-320a as a Predictive Biomarker for Left Ventricular Remodelling in STEMI Patients Undergoing Primary Percutaneous Coronary Intervention. <i>Journal of Clinical Medicine</i> , 2020, 9, 1051.	2.4	17
26	Molecular Basis and Regulation of Store-Operated Calcium Entry. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1131, 445-469.	1.6	27
27	Pathophysiological Significance of Store-Operated Calcium Entry in Cardiovascular and Skeletal Muscle Disorders and Angiogenesis. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1131, 489-504.	1.6	10
28	Non-coding RNAs and Ischemic Cardiovascular Diseases. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1229, 259-271.	1.6	6
29	Adenylyl Cyclase Type 8 Overexpression Impairs Phosphorylation-Dependent Orai1 Inactivation and Promotes Migration in MDA-MB-231 Breast Cancer Cells. <i>Cancers</i> , 2019, 11, 1624.	3.7	36
30	TRP Channels: Current Perspectives in the Adverse Cardiac Remodeling. <i>Frontiers in Physiology</i> , 2019, 10, 159.	2.8	49
31	STIM1 phosphorylation at Y316 modulates its interaction with SARAF and the activation of SOCE and CRAC. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	25
32	Podoplanin Gene Disruption in Mice Promotes in vivo Neural Progenitor Cells Proliferation, Selectively Impairs Dentate Gyrus Synaptic Depression and Induces Anxiety-Like Behaviors. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 561.	3.7	7
33	Impact of Diabetes on Cardiac and Vascular Disease: Role of Calcium Signaling. <i>Current Medicinal Chemistry</i> , 2019, 26, 4166-4177.	2.4	10
34	Filamin A Modulates Store-Operated Ca ²⁺ Entry by Regulating STIM1 (Stromal Interaction) Tj ETQq0 0 0 rgBT /Overlock 10 <i>Biology</i> , 2018, 38, 386-397.	2.4	26
35	P287miR-324 contributes to Urocortin modulation of apoptosis during myocardial ischemia and reperfusion. <i>Cardiovascular Research</i> , 2018, 114, S74-S74.	3.8	0
36	EFHB is a Novel Cytosolic Ca ²⁺ Sensor That Modulates STIM1-SARAF Interaction. <i>Cellular Physiology and Biochemistry</i> , 2018, 51, 1164-1178.	1.6	25

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37	TRP Channels in Angiogenesis and Other Endothelial Functions. <i>Frontiers in Physiology</i> , 2018, 9, 1731.	2.8	55
38	TRPC6 Channels Are Required for Proliferation, Migration and Invasion of Breast Cancer Cell Lines by Modulation of Orai1 and Orai3 Surface Exposure. <i>Cancers</i> , 2018, 10, 331.	3.7	67
39	The Complex Role of Store Operated Calcium Entry Pathways and Related Proteins in the Function of Cardiac, Skeletal and Vascular Smooth Muscle Cells. <i>Frontiers in Physiology</i> , 2018, 9, 257.	2.8	74
40	Urocortin-2 Prevents Dysregulation of Ca ²⁺ Homeostasis and Improves Early Cardiac Remodeling After Ischemia and Reperfusion. <i>Frontiers in Physiology</i> , 2018, 9, 813.	2.8	21
41	miR-7 Modulates hESC Differentiation into Insulin-Producing Beta-like Cells and Contributes to Cell Maturation. <i>Molecular Therapy - Nucleic Acids</i> , 2018, 12, 463-477.	5.1	33
42	P73Circulating miRNAs associated with acute myocardial infarction treated with primary percutaneous coronary intervention. <i>Cardiovascular Research</i> , 2018, 114, S19-S20.	3.8	0
43	Urocortin. , 2018, , 5846-5848.		0
44	miR-125a, miR-139 and miR-324 contribute to Urocortin protection against myocardial ischemia-reperfusion injury. <i>Scientific Reports</i> , 2017, 7, 8898.	3.3	50
45	TRPs in Pain Sensation. <i>Frontiers in Physiology</i> , 2017, 8, 392.	2.8	104
46	Urocortin. , 2017, , 1-4.		1
47	Urocortin-1 Mediated Cardioprotection Involves XIAP and CD40-Ligand Recovery: Role of EPAC2 and ERK1/2. <i>PLoS ONE</i> , 2016, 11, e0147375.	2.5	26
48	Dynamic interaction of SARAF with STIM1 and Orai1 to modulate store-operated calcium entry. <i>Scientific Reports</i> , 2016, 6, 24452.	3.3	56
49	Regulation of Platelet Function by Orai, STIM and TRP. <i>Advances in Experimental Medicine and Biology</i> , 2016, 898, 157-181.	1.6	27
50	Molecular modulators of store-operated calcium entry. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 2037-2043.	4.1	53
51	Phospholipase A2 as a Molecular Determinant of Store-Operated Calcium Entry. <i>Advances in Experimental Medicine and Biology</i> , 2016, 898, 111-131.	1.6	6
52	Orai1 and TRPC1 Proteins Co-localize with CaV1.2 Channels to Form a Signal Complex in Vascular Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 21148-21159.	3.4	33
53	The brain-tumor related protein podoplanin regulates synaptic plasticity and hippocampus-dependent learning and memory. <i>Annals of Medicine</i> , 2016, 48, 652-668.	3.8	18
54	Efecto cardioprotector de la ranolazina en el proceso de isquemia-reperfusi3n en cardiomiocitos de rata adultos. <i>Revista Espanola De Cardiologia</i> , 2016, 69, 45-53.	1.2	6

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55	Cardioprotective Effect of Ranolazine in the Process of Ischemia-reperfusion in Adult Rat Cardiomyocytes. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2016, 69, 45-53.	0.6	7
56	Resveratrol Ameliorates the Maturation Process of β -Cell-Like Cells Obtained from an Optimized Differentiation Protocol of Human Embryonic Stem Cells. <i>PLoS ONE</i> , 2015, 10, e0119904.	2.5	29
57	Homer proteins mediate the interaction between STIM1 and Cav1.2 channels. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1145-1153.	4.1	31
58	Functional and physiopathological implications of TRP channels. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1772-1782.	4.1	81
59	STIM and Orai1 Variants in Store-Operated Calcium Entry. <i>Frontiers in Pharmacology</i> , 2015, 6, 325.	3.5	44
60	Cytoskeletal and scaffolding proteins as structural and functional determinants of TRP channels. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 658-664.	2.6	32
61	Urotensin-II Induces Vascular Smooth Muscle Cell Proliferation and Creb Phosphorylation Through Store Operated Calcium Entry and EGFR Transactivation. <i>Biophysical Journal</i> , 2014, 106, 318a.	0.5	0
62	Transient receptor potential ankyrin-1 (TRPA1) modulates store-operated Ca ²⁺ entry by regulation of STIM1-Orai1 association. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 3025-3034.	4.1	30
63	Radial and Circumferential Strain as Markers of Fibrosis in an Experimental Model of Myocardial Infarction. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2013, 66, 508-509.	0.6	2
64	Urotensin-II promotes vascular smooth muscle cell proliferation through store-operated calcium entry and EGFR transactivation. <i>Cardiovascular Research</i> , 2013, 100, 297-306.	3.8	67
65	Editorial: Recent Advances in Cardiovascular and Circulatory Signalling. <i>Current Vascular Pharmacology</i> , 2013, 11, 407-408.	1.7	0
66	Functional Vascular Smooth Muscle-like Cells Derived from Adult Mouse Uterine Mesothelial Cells. <i>PLoS ONE</i> , 2013, 8, e55181.	2.5	25
67	New Insights into the Mechanisms Underlying Vascular and Cardiac Effects of Urocortin. <i>Current Vascular Pharmacology</i> , 2013, 11, 457-464.	1.7	15
68	Urotensin-II Signaling Mechanism in Rat Coronary Artery. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012, 32, 1325-1332.	2.4	37
69	Cardiotrophin-1 induces sarcoplasmic reticulum Ca ²⁺ leak and arrhythmogenesis in adult rat ventricular myocytes. <i>Cardiovascular Research</i> , 2012, 96, 81-89.	3.8	22
70	Urocortin β 2 induces vasorelaxation of coronary arteries isolated from patients with heart failure. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2011, 38, 71-76.	1.9	30
71	The cytoskeleton plays a modulatory role in the association between STIM1 and the Ca ²⁺ channel subunits Orai1 and TRPC1. <i>Biochemical Pharmacology</i> , 2011, 82, 400-410.	4.4	51
72	Cardioprotective action of urocortin in postconditioning involves recovery of intracellular calcium handling. <i>Cell Calcium</i> , 2011, 50, 84-90.	2.4	18

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73	Immunophilins and Cardiovascular Complications. <i>Current Medicinal Chemistry</i> , 2011, 18, 5408-5413.	2.4	9
74	Association Analysis of Urotensin II Gene (UTS2) and Flanking Regions with Biochemical Parameters Related to Insulin Resistance. <i>PLoS ONE</i> , 2011, 6, e19327.	2.5	12
75	Mechanisms underlying the activation of L-type calcium channels by urocortin in rat ventricular myocytes. <i>Cardiovascular Research</i> , 2010, 87, 459-466.	3.8	33
76	Regulation of Vascular Reactivity by Urocortin and Urotensin-II: Role of Store Operated Pathway. <i>Biophysical Journal</i> , 2010, 98, 98a.	0.5	0
77	Urocortin induces positive inotropic effect in rat heart. <i>Cardiovascular Research</i> , 2009, 83, 717-725.	3.8	37
78	Positive inotropic effect of Urocortin on cardiomyocytes: Role of L-type calcium channels. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 44, 763-764.	1.9	0
79	Urocortin induces heart protection against ischemiaâ€“reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 44, 764.	1.9	0
80	Complex regulation of store-operated Ca ²⁺ entry pathway by PKC-Î¼ in vascular SMCs. <i>American Journal of Physiology - Cell Physiology</i> , 2008, 294, C1499-C1508.	4.6	19
81	Role of Ca ²⁺ -Independent Phospholipase A ₂ and Store-Operated Pathway in Urocortin-Induced Vasodilatation of Rat Coronary Artery. <i>Circulation Research</i> , 2007, 101, 1194-1203.	4.5	55
82	Activation Mechanism for CRAC Current and Store-operated Ca ²⁺ Entry. <i>Journal of Biological Chemistry</i> , 2006, 281, 34926-34935.	3.4	53
83	A novel mechanism for the store-operated calcium influx pathway. <i>Nature Cell Biology</i> , 2004, 6, 113-120.	10.3	245
84	Differential functional properties of Ca ²⁺ stores in pulmonary arterial conduit and resistance myocytes. <i>Cell Calcium</i> , 2004, 36, 525-534.	2.4	12
85	Monovalent cation (MC) current in cardiac and smooth muscle cells: regulation by intracellular Mg ²⁺ and inhibition by polycations. <i>British Journal of Pharmacology</i> , 2003, 138, 234-244.	5.4	20
86	Ca ²⁺ -independent Phospholipase A ₂ Is a Novel Determinant of Store-operated Ca ²⁺ Entry. <i>Journal of Biological Chemistry</i> , 2003, 278, 11909-11915.	3.4	127
87	Reduction of Ca ²⁺ channel activity by hypoxia in human and porcine coronary myocytes. <i>Cardiovascular Research</i> , 2002, 53, 97-104.	3.8	41
88	Differential segmental activation of Ca ²⁺ -dependent Cl ⁻ and K ⁺ channels in pulmonary arterial myocytes. <i>Cell Calcium</i> , 2001, 29, 369-377.	2.4	21
89	K ⁺ and Ca ²⁺ channel activity and cytosolic [Ca ²⁺] in oxygen-sensing tissues. <i>Respiration Physiology</i> , 1999, 115, 215-227.	2.7	67