Vincenzo Sorrentino

List of Publications by Year
in descending order

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126 papers	6,254 citations	57719 44 h-index	71651 76 g-index
126 all docs	126 docs citations	126 times ranked	6017 citing authors

#	Article	IF	Citations
1	RYR1-related myopathies: Expanding the spectrum of morphological presentation. Journal of General Physiology, 2022, 154, .	0.9	0
2	Impaired Intracellular Ca2+ Dynamics, M-Band and Sarcomere Fragility in Skeletal Muscles of Obscurin KO Mice. International Journal of Molecular Sciences, 2022, 23, 1319.	1.8	7
3	Multiple regions within junctin drive its interaction with calsequestrin-1 and its localization to triads in skeletal muscle. Journal of Cell Science, 2022, 135, .	1.2	3
4	Allele-specific silencing by RNAi of R92Q and R173W mutations in cardiac troponin T. Experimental Biology and Medicine, 2022, 247, 805-814.	1.1	0
5	The Sarcoplasmic Reticulum of Skeletal Muscle Cells: A Labyrinth of Membrane Contact Sites. Biomolecules, 2022, 12, 488.	1.8	10
6	Ryanodine receptor 1 (RYR1) mutations in two patients with tubular aggregate myopathy. European Journal of Neuroscience, 2022, 56, 4214-4223.	1.2	5
7	Calsequestrin, a key protein in striated muscle health and disease. Journal of Muscle Research and Cell Motility, 2021, 42, 267-279.	0.9	25
8	A novel homozygous mutation in the TRDN gene causes a severe form of pediatric malignant ventricular arrhythmia. Heart Rhythm, 2020, 17, 296-304.	0.3	11
9	Sorcin is an early marker of neurodegeneration, Ca2+ dysregulation and endoplasmic reticulum stress associated to neurodegenerative diseases. Cell Death and Disease, 2020, 11, 861.	2.7	29
10	Calcium Homeostasis Is Modified in Skeletal Muscle Fibers of Small Ankyrin1 Knockout Mice. International Journal of Molecular Sciences, 2019, 20, 3361.	1.8	6
11	Molecular determinants of homo- and heteromeric interactions of Junctophilin-1 at triads in adult skeletal muscle fibers. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15716-15724.	3.3	24
12	Functional Electrical Stimulation: A Possible Strategy to Improve Muscle Function in Central Core Disease?. Frontiers in Neurology, 2019, 10, 479.	1.1	2
13	Murine obscurin and Obsl1 have functionally redundant roles in sarcolemmal integrity, sarcoplasmic reticulum organization, and muscle metabolism. Communications Biology, 2019, 2, 178.	2.0	20
14	Putative endothelial progenitor cells predict long-term mortality in type-2 diabetes. Endocrine, 2018, 62, 263-266.	1.1	6
15	Mesenchymal stem cells: from the perivascular environment to clinical applications. Histology and Histopathology, 2018, 33, 1235-1246.	0.5	10
16	Cardiac expression of ryanodine receptor subtype 3; a strategic component in the intracellular Ca2+ release system of Purkinje fibers in large mammalian heart. Journal of Molecular and Cellular Cardiology, 2017, 104, 31-42.	0.9	8
17	Identification and characterization of three novel mutations in theCASQ1gene in four patients with tubular aggregate myopathy. Human Mutation, 2017, 38, 1761-1773.	1.1	51
18	The potential of obscurin as a therapeutic target in muscle disorders. Expert Opinion on Therapeutic Targets, 2017, 21, 897-910.	1.5	16

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19	Compound heterozygosity in the GALC gene in a late onset Iranian patient with spastic paraparesis, peripheral neuropathy and leukoencephalopathy. Neurological Sciences, 2017, 38, 1721-1722.	0.9	2
20	A novel FLNC frameshift and an OBSCN variant in a family with distal muscular dystrophy. PLoS ONE, 2017, 12, e0186642.	1.1	29
21	Not All Pericytes Are Born Equal: Pericytes from Human Adult Tissues Present Different Differentiation Properties. Stem Cells and Development, 2016, 25, 1549-1558.	1.1	27
22	A novel type 2 diabetes risk allele increases the promoter activity of the muscle-specific small ankyrin 1 gene. Scientific Reports, 2016, 6, 25105.	1.6	16
23	Tissue-Specific Cultured Human Pericytes: Perivascular Cells from Smooth Muscle Tissue Have Restricted Mesodermal Differentiation Ability. Stem Cells and Development, 2016, 25, 674-686.	1.1	24
24	Ryanodine receptors are targeted by anti-apoptotic Bcl-XL involving its BH4 domain and Lys87 from its BH3 domain. Scientific Reports, 2015, 5, 9641.	1.6	30
25	Yip1B isoform is localized at ERâ€“Golgi intermediate and cis-Golgi compartments and is not required for maintenance of the Golgi structure in skeletal muscle. Histochemistry and Cell Biology, 2015, 143, 235-243.	0.8	14
26	Human pericytes isolated from adipose tissue have better differentiation abilities than their mesenchymal stem cell counterparts. Cell and Tissue Research, 2015, 361, 769-778.	1.5	29
27	Organization of junctional sarcoplasmic reticulum proteins in skeletal muscle fibers. Journal of Muscle Research and Cell Motility, 2015, 36, 501-515.	0.9	40
28	Functional and genetic characterization of clinical malignant hyperthermia crises: a multi-centre study. Orphanet Journal of Rare Diseases, 2014, 9, 8.	1.2	51
29	A Mutation in theCASQ1Gene Causes a Vacuolar Myopathy with Accumulation of Sarcoplasmic Reticulum Protein Aggregates. Human Mutation, 2014, 35, 1163-1170.	1.1	53
30	Distinct regions of triadin are required for targeting and retention at the junctional domain of the sarcoplasmic reticulum. Biochemical Journal, 2014, 458, 407-417.	1.7	27
31	Bcl-2 binds to and inhibits ryanodine receptors. Journal of Cell Science, 2014, 127, 2782-92.	1.2	55
32	Obscurin is required for ankyrinB-dependent dystrophin localization and sarcolemma integrity. Journal of Cell Biology, 2013, 200, 523-536.	2.3	63
33	A proteolytic cleavage to separate the sarcolemma/Tâ€tubule from the sarcoplasmic reticulum. Journal of Physiology, 2013, 591, 601-601.	1.3	0
34	Obscurin is required for ankyrinB-dependent dystrophin localization and sarcolemma integrity. Journal of General Physiology, 2013, 141, i9-i9.	0.9	0
35	FGD1 as a central regulator of extracellular matrix remodelling â€“ lessons from faciogenital dysplasia. Journal of Cell Science, 2012, 125, 3265-70.	1.2	16
36	Role of Triadin in the Organization of Reticulum Membrane at the Muscle Triad. Journal of Cell Science, 2012, 125, 3443-53.	1.2	20

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37	Identification of cancer stem cells from human glioblastomas: growth and differentiation capabilities and CD133/prominâ€1 expression. Cell Biology International, 2012, 36, 29-38.	1.4	23
38	Sarcoplasmic reticulum: Structural determinants and protein dynamics. International Journal of Biochemistry and Cell Biology, 2011, 43, 1075-1078.	1.2	20
39	Pluripotency Regulators in Human Mesenchymal Stem Cells: Expression of NANOG But Not of OCT-4 and SOX-2. Stem Cells and Development, 2011, 20, 915-923.	1.1	125
40	Multi-potent progenitors in freshly isolated and cultured human mesenchymal stem cells: a comparison between adipose and dermal tissue. Cell and Tissue Research, 2011, 344, 85-95.	1.5	30
41	Levels of circulating CXCR4-positive cells are decreased and negatively correlated with risk factors in cardiac transplant recipients. Heart and Vessels, 2011, 26, 258-266.	0.5	5
42	Spatial organization of RYRs and BK channels underlying the activation of STOCs by Ca2+ sparks in airway myocytes. Journal of General Physiology, 2011, 138, 195-209.	0.9	35
43	Junctophilin 1 and 2 Proteins Interact with the L-type Ca2+ Channel Dihydropyridine Receptors (DHPRs) in Skeletal Muscle. Journal of Biological Chemistry, 2011, 286, 43717-43725.	1.6	70
44	Cyclic Adenosine Diphosphate Ribose Activates Ryanodine Receptors, whereas NAADP Activates Two-pore Domain Channels. Journal of Biological Chemistry, 2011, 286, 9136-9140.	1.6	78
45	The multiple alternatives of intracellular calcium signaling: A functionally distinct RyR splicing variant in pancreatic islets. Islets, 2010, 2, 383-385.	0.9	3
46	Assembly and dynamics of proteins of the longitudinal and junctional sarcoplasmic reticulum in skeletal muscle cells. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 4695-4700.	3.3	30
47	Localization of ankâ€1.5 in the sarcoplasmic reticulum precedes that of SERCA and RyR: relationship with the organization of obscurin in developing sarcomeres. Histochemistry and Cell Biology, 2009, 131, 371-382.	0.8	18
48	Reduced levels of putative endothelial progenitor and CXCR4+ cells in coronary artery disease: Kinetics following percutaneous coronary intervention and association with clinical characteristics. Thrombosis and Haemostasis, 2009, 101, 1138-1146.	1.8	15
49	Reduced levels of putative endothelial progenitor and CXCR4+ cells in coronary artery disease: kinetics following percutaneous coronary intervention and association with clinical characteristics. Thrombosis and Haemostasis, 2009, 101, 1138-46.	1.8	7
50	The Sarcoplasmic Reticulum: An Organized Patchwork of Specialized Domains. Traffic, 2008, 9, 1044-1049.	1.3	66
51	Spontaneous and voltageâ€activated Ca²⁺ release in adult mouse skeletal muscle fibres expressing the type 3 ryanodine receptor. Journal of Physiology, 2008, 586, 441-457.	1.3	30
52	Metyrapone prevents cortisone-induced preadipocyte differentiation by depleting luminal NADPH of the endoplasmic reticulum. Biochemical Pharmacology, 2008, 76, 382-390.	2.0	23
53	Constant expression of hexose-6-phosphate dehydrogenase during differentiation of human adipose-derived mesenchymal stem cells. Journal of Molecular Endocrinology, 2008, 41, 125-133.	1.1	13
54	Maurocalcine interacts with the cardiac ryanodine receptor without inducing channel modification. Biochemical Journal, 2007, 406, 309-315.	1.7	12

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55	Expression and functional activity of ryanodine receptors (RyRs) during skeletal muscle development. Cell Calcium, 2007, 41, 573-580.	1.1	13
56	Syntillas Release Ca2+ at a Site Different from the Microdomain Where Exocytosis Occurs in Mouse Chromaffin Cells. Biophysical Journal, 2006, 90, 2027-2037.	0.2	33
57	Molecular interactions with obscurin are involved in the localization of muscle-specific small ankyrin1 isoforms to subcompartments of the sarcoplasmic reticulum. Experimental Cell Research, 2006, 312, 3546-3558.	1.2	51
58	Modulation of calcium signalling by dominant negative splice variant of ryanodine receptor subtype 3 in native smooth muscle cells. Cell Calcium, 2006, 40, 11-21.	1.1	37
59	Frequency and localization of mutations in the 106 exons of theRYR1 gene in 50 individuals with malignant hyperthermia. Human Mutation, 2006, 27, 830-830.	1.1	72
60	A truncation in the RYR1 gene associated with central core lesions in skeletal muscle fibres. Journal of Medical Genetics, 2006, 44, e67-e67.	1.5	11
61	Attention-deficit/hyperactivity disorder (ADHD) and variable clinical expression of Aarskog-Scott syndrome due to a novelFGD1 gene mutation (R408Q). American Journal of Medical Genetics, Part A, 2005, 135A, 99-102.	0.7	30
62	Ca 2+ Sparks and Waves in Canine Purkinje Cells. Circulation Research, 2005, 97, 35-43.	2.0	71
63	Type-3 Ryanodine Receptors Mediate Hypoxia-, but Not Neurotransmitter-induced Calcium Release and Contraction in Pulmonary Artery Smooth Muscle Cells. Journal of General Physiology, 2005, 125, 427-440.	0.9	82
64	Selective expression of the type 3 isoform of ryanodine receptor Ca2+ release channel (RyR3) in a subset of slow fibers in diaphragm and cephalic muscles of adult rabbits. Biochemical and Biophysical Research Communications, 2005, 337, 195-200.	1.0	11
65	Probing luminal negative charge in the type 3 ryanodine receptor. Biochemical and Biophysical Research Communications, 2005, 337, 1072-1079.	1.0	1
66	RYR2 Proteins Contribute to the Formation of Ca2+ Sparks in Smooth Muscle. Journal of General Physiology, 2004, 123, 377-386.	0.9	62
67	Ryanodine receptors are expressed and functionally active in mouse spermatogenic cells and their inhibition interferes with spermatogonial differentiation. Journal of Cell Science, 2004, 117, 4127-4134.	1.2	31
68	The 12 kDa FK506-binding protein, FKBP12, modulates the Ca2+-flux properties of the type-3 ryanodine receptor. Journal of Cell Science, 2004, 117, 1129-1137.	1.2	33
69	Phenotypic and molecular characterisation of the Aarskogâ€“Scott syndrome: a survey of the clinical variability in light of FGD1 mutation analysis in 46 patients. European Journal of Human Genetics, 2004, 12, 16-23.	1.4	75
70	Molecular determinants of the structural and functional organization of the sarcoplasmic reticulum. Biochimica Et Biophysica Acta - Molecular Cell Research, 2004, 1742, 113-118.	1.9	15
71	Stem Cells and Muscle Diseases. Journal of Muscle Research and Cell Motility, 2004, 25, 225-230.	0.9	0
72	Adult onset multi/minicore myopathy associated with a mutation in the RYR1 gene. Journal of Neurology, 2004, 251, 102-104.	1.8	18

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73	The block of ryanodine receptors selectively inhibits fetal myoblast differentiation. Journal of Cell Science, 2003, 116, 1589-1597.	1.2	43
74	Binding of an ankyrin-1 isoform to obscurin suggests a molecular link between the sarcoplasmic reticulum and myofibrils in striated muscles. Journal of Cell Biology, 2003, 160, 245-253.	2.3	177
75	Evidence for the transport of glutathione through ryanodine receptor channel type 1. Biochemical Journal, 2003, 376, 807-812.	1.7	26
76	Ryanodine receptor type 3 why another ryanodine receptor isoform. Frontiers in Bioscience - Landmark, 2003, 8, d176-182.	3.0	11
77	Structure and molecular organisation of the sarcoplasmic reticulum of skeletal muscle fibers. Italian Journal of Anatomy and Embryology, 2003, 108, 65-76.	0.1	2
78	Requirement of functional ryanodine receptor type 3 for astrocyte migration. FASEB Journal, 2002, 16, 1-25.	0.2	108
79	A pivotal role for cADPRâ€mediated Ca 2+ signaling: regulation of endothelinâ€induced contraction in peritubular smooth muscle cells. FASEB Journal, 2002, 16, 697-705.	0.2	56
80	Imperatoxin A Enhances Ca2+ Release in Developing Skeletal Muscle Containing Ryanodine Receptor Type 3. Biophysical Journal, 2002, 82, 1319-1328.	0.2	22
81	Molecular genetics of ryanodine receptors Ca2+-release channels. Cell Calcium, 2002, 32, 307-319.	1.1	128
82	RyR1 and RyR3 isoforms provide distinct intracellular Ca2+signals in HEK 293 cells. Journal of Cell Science, 2002, 115, 2497-2504.	1.2	57
83	RyR1 and RyR3 isoforms provide distinct intracellular Ca2+ signals in HEK 293 cells. Journal of Cell Science, 2002, 115, 2497-504.	1.2	45
84	Ca2+ Release Induced by Cyclic ADP Ribose in Mice Lacking Type 3 Ryanodine Receptor. Biochemical and Biophysical Research Communications, 2001, 288, 697-702.	1.0	7
85	Molecular genetics of Ca2+ stores and intracellular Ca2+ signalling. Trends in Pharmacological Sciences, 2001, 22, 459-464.	4.0	35
86	FKBP12 associates tightly with the skeletal muscle type 1 ryanodine receptor, but not with other intracellular calcium release channels. FEBS Letters, 2001, 505, 97-102.	1.3	50
87	Imperatoxin A (IpTxa) from Pandinus imperator stimulates [3 H]ryanodine binding to RyR3 channels. FEBS Letters, 2001, 508, 5-10.	1.3	12
88	Mutations in the Cardiac Ryanodine Receptor Gene (hRyR2) Underlie Catecholaminergic Polymorphic Ventricular Tachycardia. Circulation, 2001, 103, 196-200.	1.6	1,291
89	Characterization and mapping of the 12ÂkDa FK506-binding protein (FKBP12)-binding site on different isoforms of the ryanodine receptor and of the inositol 1,4,5-trisphosphate receptor. Biochemical Journal, 2001, 354, 413.	1.7	60
90	Characterization and mapping of the 12î‰‘kDa FK506-binding protein (FKBP12)-binding site on different isoforms of the ryanodine receptor and of the inositol 1,4,5-trisphosphate receptor. Biochemical Journal, 2001, 354, 413-422.	1.7	83

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91	The Conserved Sites for the FK506-binding Proteins in Ryanodine Receptors and Inositol 1,4,5-Trisphosphate Receptors Are Structurally and Functionally Different. Journal of Biological Chemistry, 2001, 276, 47715-47724.	1.6	65
92	Regulation of Calcium Sparks and Spontaneous Transient Outward Currents by RyR3 in Arterial Vascular Smooth Muscle Cells. Circulation Research, 2001, 89, 1051-1057.	2.0	100
93	Comparison of Ca2+ Sparks Produced Independently by Two Ryanodine Receptor Isoforms (Type 1 or) Tj ETQq1 1 0.784314 rgBT /Ov	0.2	64
94	Intracellular Ca2+ release channels in evolution. Current Opinion in Genetics and Development, 2000, 10, 662-667.	1.5	62
95	ATP-induced activation of expressed RyR3 at low free calcium. FEBS Letters, 2000, 471, 256-260.	1.3	17
96	A mutation in the pleckstrin homology (PH) domain of the FGD1 gene in an Italian family with faciogenital dysplasia (Aarskog-Scott syndrome). FEBS Letters, 2000, 478, 216-220.	1.3	40
97	MECP2 mutation in male patients with nonâ€specific Xâ€linked mental retardation. FEBS Letters, 2000, 481, 285-288.	1.3	208
98	Ryanodine-Sensitive Calcium Release Channels. , 2000, , 205-219.		1
99	Type 3 and Type 1 Ryanodine Receptors Are Localized in Triads of the Same Mammalian Skeletal Muscle Fibers. Journal of Cell Biology, 1999, 146, 621-630.	2.3	65
100	Spatially segregated control of Ca2+release in developing skeletal muscle of mice. Journal of Physiology, 1999, 521, 483-495.	1.3	59
101	Expression of the Ryanodine Receptor Type 3 in Skeletal Muscle A New Partner in Excitation-Contraction Coupling?. Trends in Cardiovascular Medicine, 1999, 9, 54-61.	2.3	49
102	Correction to the sequence of the donor splice site of intron 2 of the GSD1b gene. FEBS Letters, 1999, 445, 451-451.	1.3	1
103	Mutations in the glucose-6-phosphate transporter (G6PT) gene in patients with glycogen storage diseases type 1b and 1c. FEBS Letters, 1999, 459, 255-258.	1.3	44
104	Contribution of Ryanodine Receptor Type 3 to Ca2+ Sparks in Embryonic Mouse Skeletal Muscle. Biophysical Journal, 1999, 77, 1394-1403.	0.2	72
105	Identification and Characterization of a Highly Conserved Protein Absent in the Alport Syndrome (A), Mental Retardation (M), Midface Hypoplasia (M), and Elliptocytosis (E) Contiguous Gene Deletion Syndrome (AMME). Genomics, 1999, 55, 335-340.	1.3	44
106	Contractile impairment and structural alterations of skeletal muscles from knockout mice lacking type 1 and type 3 ryanodine receptors. FEBS Letters, 1998, 422, 160-164.	1.3	39
107	Genomic structure and chromosomal location of the human TGFÎ²-receptor interacting protein-1 (TRIP-1) gene to 1p34.1. FEBS Letters, 1998, 426, 279-282.	1.3	3
108	Structure and mutation analysis of the glycogen storage disease type 1b gene. FEBS Letters, 1998, 436, 247-250.	1.3	50

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109	2-Aminopurine Unravels a Role for pRB in the Regulation of Gene Expression by Transforming Growth Factor Î². Journal of Biological Chemistry, 1997, 272, 5313-5319.	1.6	6
110	Expression of the Ryanodine Receptor Type 3 Calcium Release Channel during Development and Differentiation of Mammalian Skeletal Muscle Cells. Journal of Biological Chemistry, 1997, 272, 19808-19813.	1.6	82
111	Dihydropyridine Receptor and Ryanodine Receptor Gene Expression in Long-Term Denervated Rat Muscles. Biochemical and Biophysical Research Communications, 1997, 240, 612-617.	1.0	36
112	Regional and Age-related Differences in mRNA Composition of Intracellular Ca2+-release Channels of Rat Cardiac Myocytes. Journal of Molecular and Cellular Cardiology, 1997, 29, 1023-1036.	0.9	32
113	cDNA cloning reveals a tissue specific expression of alternatively spliced transcripts of the ryanodine receptor type 3 (RyR3) calcium release channel. FEBS Letters, 1996, 394, 76-82.	1.3	41
114	Î± and Î² isoforms of ryanodine receptor from chicken skeletal muscle are the homologues of mammalian RyR1 and RyR3. Biochemical Journal, 1996, 315, 207-216.	1.7	106
115	Differential distribution of ryanodine receptor type 3 (RyR3) gene product in mammalian skeletal muscles. Biochemical Journal, 1996, 316, 19-23.	1.7	100
116	Alternative Forms and Functions of the c-kit Receptor and Its Ligand During Spermatogenesis. , 1996, , 99-110.		0
117	Molecular structure and tissue distribution of ryanodine receptors calcium channels. Medicinal Research Reviews, 1995, 15, 313-323.	5.0	49
118	The Ryanodine Receptor Family of Intracellular Calcium Release Channels. Advances in Pharmacology, 1995, 33, 67-90.	1.2	74
119	The Growth-Inhibitory Block of TGF-Î² Is Located Close to the G1/S Border in the Cell Cycle. Experimental Cell Research, 1995, 217, 477-483.	1.2	44
120	Cardiac Myocytes Differ in mRNA Composition for Sarcoplasmic Reticulum Ca2+Channels and Ca2+Pumpsa. Annals of the New York Academy of Sciences, 1995, 752, 141-148.	1.8	9
121	Binding of Germ Cells to Mutant Sld Sertoli Cells Is Defective and Is Rescued by Expression of the Transmembrane Form of the c-kit Ligand. Developmental Biology, 1993, 157, 182-190.	0.9	66
122	Ryanodine receptors: how many, where and why?. Trends in Pharmacological Sciences, 1993, 14, 98-103.	4.0	302
123	A novel c-kit transcript, potentially encoding a truncated receptor, originates within a kit gene intron in mouse spermatids. Developmental Biology, 1992, 152, 203-207.	0.9	103
124	Transforming Growth Factor Î² (TGF-Î²)Inhibits Expression of Fibrinogen and Factor VII in a Hepatoma Cell Line. Thrombosis and Haemostasis, 1992, 67, 478-483.	1.8	17
125	From growth arrest to growth suppression. Journal of Cellular Biochemistry, 1991, 46, 95-101.	1.2	12
126	c-myc Gene Effects on Cell Growth and Transformation. Annals of the New York Academy of Sciences, 1987, 511, 329-337.	1.8	1