

# Sabata Pierno

## List of Publications by Year in descending order

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66  
papers

2,735  
citations

168829

31  
h-index

206121

51  
g-index

68  
all docs

68  
docs citations

68  
times ranked

3162  
citing authors

#	ARTICLE	IF	CITATIONS
1	Therapeutic Targets in Amyotrophic Lateral Sclerosis: Focus on Ion Channels and Skeletal Muscle. <i>Cells</i> , 2022, 11, 415.	1.8	8
2	Statin-Induced Myopathy: Translational Studies from Preclinical to Clinical Evidence. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2070.	1.8	17
3	Increased sarcolemma chloride conductance as one of the mechanisms of action of carbonic anhydrase inhibitors in muscle excitability disorders. <i>Experimental Neurology</i> , 2021, 342, 113758.	2.0	4
4	BCAAs and Di-Alanine supplementation in the prevention of skeletal muscle atrophy: preclinical evaluation in a murine model of hind limb unloading. <i>Pharmacological Research</i> , 2021, 171, 105798.	3.1	12
5	Cardiovascular, neurological, and pulmonary events following vaccination with the BNT162b2, ChAdOx1 nCoV-19, and Ad26.COV2.S vaccines: An analysis of European data. <i>Journal of Autoimmunity</i> , 2021, 125, 102742.	3.0	42
6	Changes in Expression and Cellular Localization of Rat Skeletal Muscle ClC-1 Chloride Channel in Relation to Age, Myofiber Phenotype and PKC Modulation. <i>Frontiers in Pharmacology</i> , 2020, 11, 714.	1.6	4
7	Safinamide's potential in treating nondystrophic myotonias: Inhibition of skeletal muscle voltage-gated sodium channels and skeletal muscle hyperexcitability in vitro and in vivo. <i>Experimental Neurology</i> , 2020, 328, 113287.	2.0	15
8	Elucidating the Contribution of Skeletal Muscle Ion Channels to Amyotrophic Lateral Sclerosis in search of new therapeutic options. <i>Scientific Reports</i> , 2019, 9, 3185.	1.6	29
9	A long-term treatment with taurine prevents cardiac dysfunction in mdx mice. <i>Translational Research</i> , 2019, 204, 82-99.	2.2	32
10	Ryanodine channel complex stabilizer compound S48168/ARM210 as a disease modifier in dystrophin-deficient mdx mice: proof-of-concept study and independent validation of efficacy. <i>FASEB Journal</i> , 2018, 32, 1025-1043.	0.2	40
11	Growth hormone secretagogues prevent dysregulation of skeletal muscle calcium homeostasis in a rat model of cisplatin-induced cachexia. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2017, 8, 386-404.	2.9	58
12	Increased sodium channel use-dependent inhibition by a new potent analogue of tocainide greatly enhances in vivo antimyotonic activity. <i>Neuropharmacology</i> , 2017, 113, 206-216.	2.0	29
13	Risk of Myopathy in Patients in Therapy with Statins: Identification of Biological Markers in a Pilot Study. <i>Frontiers in Pharmacology</i> , 2017, 8, 500.	1.6	22
14	Dual Action of Mexiletine and Its Pyrroline Derivatives as Skeletal Muscle Sodium Channel Blockers and Anti-oxidant Compounds: Toward Novel Therapeutic Potential. <i>Frontiers in Pharmacology</i> , 2017, 8, 907.	1.6	12
15	Therapeutic Approaches to Genetic Ion Channelopathies and Perspectives in Drug Discovery. <i>Frontiers in Pharmacology</i> , 2016, 7, 121.	1.6	121
16	Statin-induced myotoxicity is exacerbated by aging: A biophysical and molecular biology study in rats treated with atorvastatin. <i>Toxicology and Applied Pharmacology</i> , 2016, 306, 36-46.	1.3	21
17	Taurine: the appeal of a safe amino acid for skeletal muscle disorders. <i>Journal of Translational Medicine</i> , 2015, 13, 243.	1.8	163
18	On the Metabolically Active Form of Metaglidasen: Improved Synthesis and Investigation of Its Peculiar Activity on Peroxisome Proliferator-Activated Receptors and Skeletal Muscles. <i>ChemMedChem</i> , 2015, 10, 555-565.	1.6	23

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19	Effects of Nandrolone in the Counteraction of Skeletal Muscle Atrophy in a Mouse Model of Muscle Disuse: Molecular Biology and Functional Evaluation. <i>PLoS ONE</i> , 2015, 10, e0129686.	1.1	19
20	An olive oil-derived antioxidant mixture ameliorates the age-related decline of skeletal muscle function. <i>Age</i> , 2014, 36, 73-88.	3.0	36
21	Angiotensin II modulates mouse skeletal muscle resting conductance to chloride and potassium ions and calcium homeostasis via the AT <sub>1</sub> receptor and NADPH oxidase. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C634-C647.	2.1	30
22	Protein kinase C theta (PKC $\theta$ ) modulates the ClC-1 chloride channel activity and skeletal muscle phenotype: a biophysical and gene expression study in mouse models lacking the PKC $\theta$ . <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 2215-2228.	1.3	28
23	Calcium Homeostasis Is Altered in Skeletal Muscle of Spontaneously Hypertensive Rats. <i>American Journal of Pathology</i> , 2014, 184, 2803-2815.	1.9	1
24	Growth Hormone Secretagogues Exert Differential Effects on Skeletal Muscle Calcium Homeostasis in Male Rats Depending on the Peptidyl/Nonpeptidyl Structure. <i>Endocrinology</i> , 2013, 154, 3764-3775.	1.4	10
25	Paracrine Effects of IGF-1 Overexpression on the Functional Decline Due to Skeletal Muscle Disuse: Molecular and Functional Evaluation in Hindlimb Unloaded MLC/mIgf-1 Transgenic Mice. <i>PLoS ONE</i> , 2013, 8, e65167.	1.1	24
26	Effects of Pleiotrophin Overexpression on Mouse Skeletal Muscles in Normal Loading and in Actual and Simulated Microgravity. <i>PLoS ONE</i> , 2013, 8, e72028.	1.1	24
27	Potential benefits of taurine in the prevention of skeletal muscle impairment induced by disuse in the hindlimb-unloaded rat. <i>Amino Acids</i> , 2012, 43, 431-445.	1.2	33
28	Redox homeostasis, oxidative stress and disuse muscle atrophy. <i>Journal of Physiology</i> , 2011, 589, 2147-2160.	1.3	116
29	Statin or fibrate chronic treatment modifies the proteomic profile of rat skeletal muscle. <i>Biochemical Pharmacology</i> , 2011, 81, 1054-1064.	2.0	28
30	Is oxidative stress a cause or consequence of disuse muscle atrophy in mice? A proteomic approach in hindlimb-unloaded mice. <i>Experimental Physiology</i> , 2010, 95, 331-350.	0.9	87
31	Antioxidant treatment of hindlimb-unloaded mouse counteracts fiber type transition but not atrophy of disused muscles. <i>Pharmacological Research</i> , 2010, 61, 553-563.	3.1	74
32	New 2-Aryloxy-3-phenyl-propanoic Acids As Peroxisome Proliferator-Activated Receptors $\alpha/\beta$ Dual Agonists with Improved Potency and Reduced Adverse Effects on Skeletal Muscle Function. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 6382-6393.	2.9	39
33	Therapeutic Approaches to Ion Channel Diseases. <i>Advances in Genetics</i> , 2008, 64, 81-145.	0.8	47
34	Fluvastatin and Atorvastatin Affect Calcium Homeostasis of Rat Skeletal Muscle Fibers in Vivo and in Vitro by Impairing the Sarcoplasmic Reticulum/Mitochondria Ca <sup>2+</sup> -Release System. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 321, 626-634.	1.3	67
35	Disuse of rat muscle <i>in vivo</i> reduces protein kinase C activity controlling the sarcolemma chloride conductance. <i>Journal of Physiology</i> , 2007, 584, 983-995.	1.3	55
36	Fiber type-related changes in rat skeletal muscle calcium homeostasis during aging and restoration by growth hormone. <i>Neurobiology of Disease</i> , 2006, 21, 372-380.	2.1	47

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37	Recovery of the soleus muscle after short- and long-term disuse induced by hindlimb unloading: effects on the electrical properties and myosin heavy chain profile. <i>Neurobiology of Disease</i> , 2005, 18, 356-365.	2.1	76
38	A Multidisciplinary Evaluation of the Effectiveness of Cyclosporine A in Dystrophic Mdx Mice. <i>American Journal of Pathology</i> , 2005, 166, 477-489.	1.9	107
39	Investigations of Pharmacologic Properties of the Renal CLC-K1 Chloride Channel Co-expressed with Barttin by the Use of 2-(p-Chlorophenoxy)Propionic Acid Derivatives and Other Structurally Unrelated Chloride Channels Blockers. <i>Journal of the American Society of Nephrology: JASN</i> , 2004, 15, 13-20.	3.0	48
40	Taurine and Skeletal Muscle Disorders. <i>Neurochemical Research</i> , 2004, 29, 135-142.	1.6	67
41	New potent mexiletine and tocainide analogues evaluated in vivo and in vitro as antimyotonic agents on the myotonic ADR mouse. <i>Neuromuscular Disorders</i> , 2004, 14, 405-416.	0.3	27
42	The alteration of calcium homeostasis in adult dystrophic mdx muscle fibers is worsened by a chronic exercise in vivo. <i>Neurobiology of Disease</i> , 2004, 17, 144-154.	2.1	70
43	Growth hormone secretagogues modulate the electrical and contractile properties of rat skeletal muscle through a ghrelin-specific receptor. <i>British Journal of Pharmacology</i> , 2003, 139, 575-584.	2.7	40
44	Structural requisites of 2-(p-chlorophenoxy)propionic acid analogues for activity on native rat skeletal muscle chloride conductance and on heterologously expressed CLC-1. <i>British Journal of Pharmacology</i> , 2003, 139, 1255-1264.	2.7	22
45	Different Ability of Clenbuterol and Salbutamol to Block Sodium Channels Predicts Their Therapeutic Use in Muscle Excitability Disorders. <i>Molecular Pharmacology</i> , 2003, 63, 659-670.	1.0	37
46	Decrease in resting calcium and calcium entry associated with slow-to-fast transition in unloaded rat soleus muscle. <i>FASEB Journal</i> , 2003, 17, 1-25.	0.2	69
47	Enhanced Dystrophic Progression in mdx Mice by Exercise and Beneficial Effects of Taurine and Insulin-Like Growth Factor-1. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2003, 304, 453-463.	1.3	179
48	Taurine and Skeletal Muscle Ion Channels. <i>Advances in Experimental Medicine and Biology</i> , 2002, 483, 45-56.	0.8	13
49	Change of chloride ion channel conductance is an early event of slow-to-fast fibre type transition during unloading-induced muscle disuse. <i>Brain</i> , 2002, 125, 1510-1521.	3.7	73
50	Molecular Requisites for Drug Binding to Muscle CLC-1 and Renal CLC-K Channel Revealed by the Use of Phenoxy-Alkyl Derivatives of 2-(p-Chlorophenoxy)Propionic Acid. <i>Molecular Pharmacology</i> , 2002, 62, 265-271.	1.0	51
51	Pre-clinical trials in Duchenne dystrophy: what animal models can tell us about potential drug effectiveness. <i>Neuromuscular Disorders</i> , 2002, 12, S142-S146.	0.3	19
52	Alteration of excitation-contraction coupling mechanism in extensor digitorum longus muscle fibres of dystrophic mdx mouse and potential efficacy of taurine. <i>British Journal of Pharmacology</i> , 2001, 132, 1047-1054.	2.7	48
53	Muscle loading modulates aquaporin-4 expression in skeletal muscle. <i>FASEB Journal</i> , 2001, 15, 1282-1284.	0.2	45
54	Pharmacological Characterization of Chloride Channels Belonging to the CLC Family by the Use of Chiral Clofibrac Acid Derivatives. <i>Molecular Pharmacology</i> , 2000, 58, 498-507.	1.0	62

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55	Effects of HMG-CoA reductase inhibitors on excitation-contraction coupling of rat skeletal muscle. <i>European Journal of Pharmacology</i> , 1999, 364, 43-48.	1.7	26
56	Higher content of insulin-like growth factor-I in dystrophic mdx mouse: potential role in the spontaneous regeneration through an electrophysiological investigation of muscle function. <i>Neuromuscular Disorders</i> , 1999, 9, 11-18.	0.3	28
57	Aging-associated down-regulation of ClC-1 expression in skeletal muscle: phenotypic-independent relation to the decrease of chloride conductance. <i>FEBS Letters</i> , 1999, 449, 12-16.	1.3	36
58	Phosphorylation and IGF-1-mediated dephosphorylation pathways control the activity and the pharmacological properties of skeletal muscle chloride channels. <i>British Journal of Pharmacology</i> , 1998, 125, 477-482.	2.7	29
59	The Biophysical and Pharmacological Characteristics of Skeletal Muscle ATP-Sensitive $K^{+}$ Channels Are Modified in $K^{+}$ -Depleted Rat, an Animal Model of Hypokalemic Periodic Paralysis. <i>Molecular Pharmacology</i> , 1998, 54, 197-206.	1.0	34
60	Effect of Taurine on Excitation-Contraction Coupling of Extensor Digitorum Longus Muscle of Dystrophic MDX Mouse. <i>Advances in Experimental Medicine and Biology</i> , 1998, 442, 115-119.	0.8	8
61	Effects of chronic growth hormone treatment in aged rats on the biophysical and pharmacological properties of skeletal muscle chloride channels. <i>British Journal of Pharmacology</i> , 1997, 121, 369-374.	2.7	16
62	Effect of taurine depletion on excitation-contraction coupling and $Cl^{-}$ conductance of rat skeletal muscle. <i>European Journal of Pharmacology</i> , 1996, 296, 215-222.	1.7	52
63	Developmental changes of membrane electrical properties of rat skeletal muscle fibers produced by prenatal exposure to carbon monoxide. <i>Environmental Toxicology and Pharmacology</i> , 1996, 2, 213-221.	2.0	4
64	Changes of membrane electrical properties in extensor digitorum longus muscle from dystrophic (mdx) mice. <i>Muscle and Nerve</i> , 1995, 18, 1196-1198.	1.0	10
65	Dual Effects of Taurine on Membrane Ionic Conductances of Rat Skeletal Muscle Fibers. <i>Advances in Experimental Medicine and Biology</i> , 1994, 359, 217-224.	0.8	8
66	Experimental Evaluation of the Effects of Pravastatin on Electrophysiological Parameters of Rat Skeletal Muscle. <i>Basic and Clinical Pharmacology and Toxicology</i> , 1992, 71, 325-329.	0.0	14