

# Sergio Adamo

## List of Publications by Citations

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92  
papers

2,388  
citations

29  
h-index

44  
g-index

97  
ext. papers

2,693  
ext. citations

4.7  
avg, IF

4.6  
L-index

#	Paper	IF	Citations
92	NF-B-mediated Pax7 dysregulation in the muscle microenvironment promotes cancer cachexia. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 4821-35	15.9	224
91	Molecular, cellular and physiological characterization of the cancer cachexia-inducing C26 colon carcinoma in mouse. <i>BMC Cancer</i> , <b>2010</b> , 10, 363	4.8	112
90	Aerobic Exercise and Pharmacological Treatments Counteract Cachexia by Modulating Autophagy in Colon Cancer. <i>Scientific Reports</i> , <b>2016</b> , 6, 26991	4.9	107
89	Tumor necrosis factor-alpha gene transfer induces cachexia and inhibits muscle regeneration. <i>Genesis</i> , <b>2005</b> , 43, 120-8	1.9	104
88	The pro-myogenic environment provided by whole organ scale acellular scaffolds from skeletal muscle. <i>Biomaterials</i> , <b>2011</b> , 32, 7870-82	15.6	88
87	Phospholipase D is involved in myogenic differentiation through remodeling of actin cytoskeleton. <i>Molecular Biology of the Cell</i> , <b>2005</b> , 16, 1232-44	3.5	66
86	Tumor necrosis factor-alpha inhibition of skeletal muscle regeneration is mediated by a caspase-dependent stem cell response. <i>Stem Cells</i> , <b>2008</b> , 26, 997-1008	5.8	61
85	Native extracellular matrix: a new scaffolding platform for repair of damaged muscle. <i>Frontiers in Physiology</i> , <b>2014</b> , 5, 218	4.6	59
84	Static magnetic fields enhance skeletal muscle differentiation in vitro by improving myoblast alignment. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , <b>2007</b> , 71, 846-56	4.6	51
83	Coordinated Actions of MicroRNAs with other Epigenetic Factors Regulate Skeletal Muscle Development and Adaptation. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	47
82	Acetylcholine may regulate its own nicotinic receptor-channel through the C-kinase system. <i>Proceedings of the Royal Society of London Series B, Containing Papers of A Biological Character</i> , <b>1987</b> , 230, 355-65		47
81	Skeletal muscle Heat shock protein 60 increases after endurance training and induces peroxisome proliferator-activated receptor gamma coactivator 1 $\alpha$ expression. <i>Scientific Reports</i> , <b>2016</b> , 6, 19781	4.9	46
80	Follicle-stimulating hormone modulation of phosphoinositide turnover in the immature rat Sertoli cell in culture. <i>Endocrinology</i> , <b>1988</b> , 123, 2032-9	4.8	41
79	The JAK/STAT Pathway in Skeletal Muscle Pathophysiology. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 500	4.6	40
78	Regulation of skeletal muscle development and homeostasis by gene imprinting, histone acetylation and microRNA. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , <b>2015</b> , 1849, 309-16		40
77	Muscle extracellular matrix scaffold is a multipotent environment. <i>International Journal of Medical Sciences</i> , <b>2015</b> , 12, 336-40	3.7	40
76	Peroxynitrite Activates the NLRP3 Inflammasome Cascade in SOD1(G93A) Mouse Model of Amyotrophic Lateral Sclerosis. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 2350-2361	6.2	39

75	Acetylcholine stimulates phosphatidylinositol turnover at nicotinic receptors of cultured myotubes. <i>FEBS Letters</i> , <b>1985</b> , 190, 161-4	3.8	39
74	Role of phospholipase C and D signalling pathways in vasopressin-dependent myogenic differentiation. <i>Journal of Cellular Physiology</i> , <b>1997</b> , 171, 34-42	7	36
73	Spontaneous Physical Activity Downregulates Pax7 in Cancer Cachexia. <i>Stem Cells International</i> , <b>2016</b> , 2016, 6729268	5	36
72	PKC $\beta$ signaling is required for myoblast fusion by regulating the expression of caveolin-3 and $\beta$ D integrin upstream focal adhesion kinase. <i>Molecular Biology of the Cell</i> , <b>2011</b> , 22, 1409-19	3.5	34
71	Muscle acellular scaffold as a biomaterial: effects on C2C12 cell differentiation and interaction with the murine host environment. <i>Frontiers in Physiology</i> , <b>2014</b> , 5, 354	4.6	33
70	Vasopressin-dependent myogenic cell differentiation is mediated by both Ca <sup>2+</sup> /calmodulin-dependent kinase and calcineurin pathways. <i>Molecular Biology of the Cell</i> , <b>2005</b> , 16, 3632-41	3.5	33
69	TPA-induced inhibition of the expression of differentiative traits in cultured myotubes: dependence on protein synthesis. <i>Differentiation</i> , <b>1982</b> , 21, 62-5	3.5	32
68	Modulation of caspase activity regulates skeletal muscle regeneration and function in response to vasopressin and tumor necrosis factor. <i>PLoS ONE</i> , <b>2009</b> , 4, e5570	3.7	32
67	Interplay between Metabolites and the Epigenome in Regulating Embryonic and Adult Stem Cell Potency and Maintenance. <i>Stem Cell Reports</i> , <b>2019</b> , 13, 573-589	8	31
66	Calcium-, phospholipid-dependent protein kinase activity of cultured rat Sertoli cells and its modifications by vitamin A. <i>Molecular and Cellular Endocrinology</i> , <b>1986</b> , 48, 213-20	4.4	30
65	Involvement of type 4 cAMP-phosphodiesterase in the myogenic differentiation of L6 cells. <i>Molecular Biology of the Cell</i> , <b>1999</b> , 10, 4355-67	3.5	29
64	Activity and regulation of calcium-, phospholipid-dependent protein kinase in differentiating chick myogenic cells. <i>Journal of Cell Biology</i> , <b>1989</b> , 108, 153-8	7.3	29
63	Particulate and soluble adenylate cyclase activities of mouse male germ cells. <i>Biochemical and Biophysical Research Communications</i> , <b>1980</b> , 97, 607-13	3.4	29
62	Regulation of Sertoli cell cyclic adenosine 3'Smonophosphate phosphodiesterase activity by follicle stimulating hormone and dibutyl cyclic AMP. <i>Biochemical and Biophysical Research Communications</i> , <b>1981</b> , 98, 1044-50	3.4	28
61	Expression of differentiative traits in the absence of cell fusion during myogenesis in culture. <i>Cell Differentiation</i> , <b>1976</b> , 5, 53-67		28
60	What to Do, and What Not to Do, When Diagnosing and Treating Breakthrough Cancer Pain (BTCp): Expert Opinion. <i>Drugs</i> , <b>2016</b> , 76, 315-30	12.1	27
59	Histone deacetylase 4 protects from denervation and skeletal muscle atrophy in a murine model of amyotrophic lateral sclerosis. <i>EBioMedicine</i> , <b>2019</b> , 40, 717-732	8.8	26
58	Action of obestatin in skeletal muscle repair: stem cell expansion, muscle growth, and microenvironment remodeling. <i>Molecular Therapy</i> , <b>2015</b> , 23, 1003-1021	11.7	26

57	Effects of protein kinase C (PK-C) activators and inhibitors on human large granular lymphocytes (LGL): role of PK-C on natural killer (NK) activity. <i>Cellular Immunology</i> , <b>1989</b> , 118, 470-81	4.4	26
56	Skeletal muscle is enriched in hematopoietic stem cells and not inflammatory cells in cachectic mice. <i>Neurological Research</i> , <b>2008</b> , 30, 160-9	2.7	25
55	HDAC4 regulates satellite cell proliferation and differentiation by targeting P21 and Sharp1 genes. <i>Scientific Reports</i> , <b>2018</b> , 8, 3448	4.9	24
54	Skeletal muscle regeneration in mice is stimulated by local overexpression of V1a-vasopressin receptor. <i>Molecular Endocrinology</i> , <b>2011</b> , 25, 1661-73		24
53	IGF-I-induced differentiation of L6 myogenic cells requires the activity of cAMP-phosphodiesterase. <i>Molecular Biology of the Cell</i> , <b>2003</b> , 14, 1392-404	3.5	24
52	Denervation does not Induce Muscle Atrophy Through Oxidative Stress. <i>European Journal of Translational Myology</i> , <b>2017</b> , 27, 6406	2.1	23
51	HDAC4 preserves skeletal muscle structure following long-term denervation by mediating distinct cellular responses. <i>Skeletal Muscle</i> , <b>2018</b> , 8, 6	5.1	23
50	Substrains of inbred mice differ in their physical activity as a behavior. <i>Scientific World Journal, The</i> , <b>2013</b> , 2013, 237260	2.2	22
49	New insights into the epigenetic control of satellite cells. <i>World Journal of Stem Cells</i> , <b>2015</b> , 7, 945-55	5.6	21
48	Proliferating and quiescent cells exhibit different subcellular distribution of protein kinase C activity. <i>FEBS Letters</i> , <b>1986</b> , 195, 352-6	3.8	21
47	Recent developments in studies on biological functions of vitamin A in normal and transformed tissues. <i>Pure and Applied Chemistry</i> , <b>1979</b> , 51, 581-592	2.1	21
46	Increase in cytosolic Ca <sup>2+</sup> induced by elevation of extracellular Ca <sup>2+</sup> in skeletal myogenic cells. <i>American Journal of Physiology - Cell Physiology</i> , <b>2003</b> , 284, C969-76	5.4	19
45	AVP induces myogenesis through the transcriptional activation of the myocyte enhancer factor 2. <i>Molecular Endocrinology</i> , <b>2002</b> , 16, 1407-16		19
44	Neurohypophyseal Hormones: Novel Actors of Striated Muscle Development and Homeostasis. <i>European Journal of Translational Myology</i> , <b>2014</b> , 24, 3790	2.1	19
43	Polychlorobiphenyls inhibit skeletal muscle differentiation in culture. <i>Toxicology and Applied Pharmacology</i> , <b>2001</b> , 175, 226-33	4.6	17
42	Biological Scaffolds for Abdominal Wall Repair: Future in Clinical Application?. <i>Materials</i> , <b>2019</b> , 12,	3.5	16
41	Hypertrophy and transcriptional regulation induced in myogenic cell line L6-C5 by an increase of extracellular calcium. <i>Journal of Cellular Physiology</i> , <b>2005</b> , 202, 787-95	7	15
40	The Mechanical Stimulation of Myotubes Counteracts the Effects of Tumor-Derived Factors Through the Modulation of the Activin/Follistatin Ratio. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 401	4.6	14

39	Neurohypophyseal hormones: novel actors of striated muscle development and homeostasis. <i>European Journal of Translational Myology</i> , <b>2014</b> , 24,	2.1	14
38	Developmental changes of cyclic adenosine monophosphate-dependent protein kinase activity during spermatogenesis in the mouse. <i>Biology of Reproduction</i> , <b>1983</b> , 28, 860-9	3.9	14
37	HDAC4 Regulates Skeletal Muscle Regeneration via Soluble Factors. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1387.6	4.6	14
36	Restoration versus reconstruction: cellular mechanisms of skin, nerve and muscle regeneration compared. <i>Regenerative Medicine Research</i> , <b>2013</b> , 1, 4	1.2	13
35	V1a vasopressin receptor expression is modulated during myogenic differentiation. <i>Differentiation</i> , <b>2008</b> , 76, 371-80	3.5	13
34	Altered distribution of protein kinase C in dystrophic muscle cells and its modulation by liposome-delivered phospholipids. <i>Biochemical and Biophysical Research Communications</i> , <b>1986</b> , 137, 752-8	3.4	13
33	A bimodal modulation of the cAMP pathway is involved in the control of myogenic differentiation in I6 cells. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 49308-15	5.4	12
32	Displaced Myonuclei in Cancer Cachexia Suggest Altered Innervation. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	11
31	Biosynthetic changes in myosin heavy subunit during myogenesis in culture. <i>Differentiation</i> , <b>1978</b> , 10, 95-100	3.5	11
30	Of Faeces and Sweat. How Much a Mouse is Willing to Run: Having a Hard Time Measuring Spontaneous Physical Activity in Different Mouse Sub-Strains. <i>European Journal of Translational Myology</i> , <b>2017</b> , 27, 6483	2.1	10
29	Vesicle-mediated phosphatidylcholine reapposition to the plasma membrane following hormone-induced phospholipase D activation. <i>Experimental Cell Research</i> , <b>2000</b> , 256, 94-104	4.2	10
28	Retinoid metabolism and mode of action. <i>Environmental Health Perspectives</i> , <b>1980</b> , 35, 147-52	8.4	10
27	A Pound of Flesh: What Cachexia Is and What It Is Not. <i>Diagnostics</i> , <b>2021</b> , 11,	3.8	10
26	Local overexpression of V1a-vasopressin receptor enhances regeneration in tumor necrosis factor-induced muscle atrophy. <i>BioMed Research International</i> , <b>2014</b> , 2014, 235426	3	8
25	Signal transduction in the Sertoli cell: serum modulation of the response to FSH. <i>The Journal of Steroid Biochemistry</i> , <b>1989</b> , 32, 129-34		8
24	Culture conditions influence satellite cell activation and survival of single myofibers. <i>European Journal of Translational Myology</i> , <b>2018</b> , 28, 7567	2.1	8
23	Skeletal Muscle: A Significant Novel Neurohypophyseal Hormone-Secreting Organ. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1885	4.6	7
22	Retinoids and cell adhesion. <i>Methods in Enzymology</i> , <b>1990</b> , 190, 81-91	1.7	6

21	Characterization of the Retinoid Binding Properties of the Major Fusion Products Present in Acute Promyelocytic Leukemia Cells. <i>Blood</i> , <b>1997</b> , 90, 1175-1185	2.2	6
20	Increasing autophagy does not affect neurogenic muscle atrophy. <i>European Journal of Translational Myology</i> , <b>2018</b> , 28, 7687	2.1	6
19	Phorbol ester-induced differentiation of L6 myogenic cells involves phospholipase D activation. <i>FEBS Letters</i> , <b>2004</b> , 577, 409-14	3.8	5
18	Culture of skeletal muscle cells in unprecedented proximity to a gold surface. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2009</b> , 91, 370-7	5.4	4
17	Protein kinase C in cell proliferation and differentiation. <i>Annals of the New York Academy of Sciences</i> , <b>1988</b> , 551, 369-71	6.5	4
16	Thyroid Hormone Protects from Fasting-Induced Skeletal Muscle Atrophy by Promoting Metabolic Adaptation. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	4
15	Inhibition of Phosphoinositide 3-Kinase/Protein Kinase B Signaling Hampers the Vasopressin-dependent Stimulation of Myogenic Differentiation. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	3
14	Epigenetics of Muscle Disorders <b>2016</b> , 315-333		3
13	Cytoplasmic HDAC4 regulates the membrane repair mechanism in Duchenne muscular dystrophy.. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2022</b> ,	10.3	3
12	Toxic Effects of Polychlorinated Biphenyls in Myogenic Cells. <i>Journal of Health Science</i> , <b>2004</b> , 50, 33-41		2
11	Phosphatidic acid-dependent activation of adenosine-3'Scyclic-monophosphate-phosphodiesterase is necessary for Arg-vasopressin induction of myogenesis. <i>Lipids</i> , <b>1999</b> , 34 Suppl, S81-2	1.6	2
10	Surface remodeling associated with vasopressin-induced membrane traffic in L6 myogenic cells. <i>Archives of Histology and Cytology</i> , <b>2000</b> , 63, 441-9		2
9	Specific TPA-induced protein phosphorylations in cultured myotubes. <i>Cell Biology International Reports</i> , <b>1983</b> , 7, 189		2
8	Phosphorylation of specific polypeptides induced by 12-O-tetradecanoylphorbol-13-acetate in chick embryo fibroblasts. <i>Carcinogenesis</i> , <b>1984</b> , 5, 559-63	4.6	2
7	Glycopeptide alterations induced by 12-O-tetradecanoyl phorbol-13-acetate in chick embryo cultured myotubes. <i>Carcinogenesis</i> , <b>1982</b> , 3, 1191-4	4.6	2
6	Neurohypophyseal hormones and skeletal muscle: a tale of two faces. <i>European Journal of Translational Myology</i> , <b>2020</b> , 30, 8899	2.1	1
5	From Ejtm (European Journal of Translational Myology) to Ejt3M (European Journal of Translational Myology, Mobility, Medicine). <i>European Journal of Translational Myology</i> , <b>2018</b> , 28, 7400	2.1	1
4	Cell Fusion and Creatine Kinase Activity in Cultures of Chick Embryo Myoblasts. <i>Bollettino Di Zoologia</i> , <b>1975</b> , 42, 49-56		0

- 3 Ormoni neuroipofisari: regolatori non canonici della struttura, funzione e omeostasi del muscolo. *L'Endocrinologo*, **2018**, 19, 85-88 0
- 2 Hormonal regulation of phosphatidylcholine metabolism and transport. *Lipids*, **1999**, 34 Suppl, S71 1.6
- 1 Differentiation in Culture of Myoblasts Inhibited to Fuse. *Bollettino Di Zoologia*, **1975**, 42, 251-256