Cesare Gargioli

List of Publications by Year
in descending order

68 papers	3,552 citations	201674 27 h-index	144013 57 g-index
72 all docs	72 docs citations	72 times ranked	5478 citing authors

#	Article	IF	Citations
1	Dystrophic Muscle Affects Motoneuron Axon Outgrowth and NMJ Assembly. Advanced Materials Technologies, 2022, 7, .	5.8	6
2	SCA-1 micro-heterogeneity in the fate decision of dystrophic fibro/adipogenic progenitors. Cell Death and Disease, 2021, 12, 122.	6.3	21
3	Skeletal Muscle Subpopulation Rearrangements upon Rhabdomyosarcoma Development through Single-Cell Mass Cytometry. Journal of Clinical Medicine, 2021, 10, 823.	2.4	4
4	Biofabricating murine and human myoâ€substitutes for rapid volumetric muscle loss restoration. EMBO Molecular Medicine, 2021, 13, e12778.	6.9	29
5	The War after War: Volumetric Muscle Loss Incidence, Implication, Current Therapies and Emerging Reconstructive Strategies, a Comprehensive Review. Biomedicines, 2021, 9, 564.	3.2	13
6	Characterization of the Skeletal Muscle Secretome Reveals a Role for Extracellular Vesicles and IL1Î±/IL1Î² in Restricting Fibro/Adipogenic Progenitor Adipogenesis. Biomolecules, 2021, 11, 1171.	4.0	10
7	Tackling Current Biomedical Challenges With Frontier Biofabrication and Organ-On-A-Chip Technologies. Frontiers in Bioengineering and Biotechnology, 2021, 9, 732130.	4.1	11
8	Photocurable Biopolymers for Coaxial Bioprinting. Methods in Molecular Biology, 2021, 2147, 45-54.	0.9	3
9	Reticulon-1C Involvement in Muscle Regeneration. Metabolites, 2021, 11, 855.	2.9	0
10	Skeletal Muscle-Derived Human Mesenchymal Stem Cells: Influence of Different Culture Conditions on Proliferative and Myogenic Capabilities. Frontiers in Physiology, 2020, 11, 553198.	2.8	16
11	High-Dimensional Single-Cell Quantitative Profiling of Skeletal Muscle Cell Population Dynamics during Regeneration. Cells, 2020, 9, 1723.	4.1	18
12	Adipogenesis of skeletal muscle fibro/adipogenic progenitors is affected by the WNT5a/GSK3/Î²-catenin axis. Cell Death and Differentiation, 2020, 27, 2921-2941.	11.2	69
13	Extracellular Vesicles from Skeletal Muscle Cells Efficiently Promote Myogenesis in Induced Pluripotent Stem Cells. Cells, 2020, 9, 1527.	4.1	15
14	Lack of PKCÎ¸ Promotes Regenerative Ability of Muscle Stem Cells in Chronic Muscle Injury. International Journal of Molecular Sciences, 2020, 21, 932.	4.1	13
15	Metabolic reprogramming of fibro/adipogenic progenitors facilitates muscle regeneration. Life Science Alliance, 2020, 3, e202000646.	2.8	36
16	Myo-REG: A Portal for Signaling Interactions in Muscle Regeneration. Frontiers in Physiology, 2019, 10, 1216.	2.8	8
17	Engineering Human-Scale Artificial Bone Grafts for Treating Critical-Size Bone Defects. ACS Applied Bio Materials, 2019, 2, 5077-5092.	4.6	12
18	3D bioprinting of hydrogel constructs with cell and material gradients for the regeneration of full-thickness chondral defect using a microfluidic printing head. Biofabrication, 2019, 11, 044101.	7.1	120

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19	Role of TPBG (Trophoblast Glycoprotein) Antigen in Human Pericyte Migratory and Angiogenic Activity. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1113-1124.	2.4	15
20	Metformin Delays Satellite Cell Activation and Maintains Quiescence. Stem Cells International, 2019, 2019, 1-19.	2.5	32
21	3D Bioprinting in Skeletal Muscle Tissue Engineering. Small, 2019, 15, e1805530.	10.0	192
22	Editorial: Physico-Chemical Control of Cell Function. Frontiers in Physiology, 2019, 10, 355.	2.8	1
23	The immunosuppressant drug azathioprine restrains adipogenesis of muscle Fibro/Adipogenic Progenitors from dystrophic mice by affecting AKT signaling. Scientific Reports, 2019, 9, 4360.	3.3	20
24	Aligned Cellâ€Ładen Yarns: Tendon Tissue Engineering: Effects of Mechanical and Biochemical Stimulation on Stem Cell Alignment on Cellâ€Ładen Hydrogel Yarns (Adv. Healthcare Mater. 7/2019). Advanced Healthcare Materials, 2019, 8, 1970025.	7.6	1
25	Tendon Tissue Engineering: Effects of Mechanical and Biochemical Stimulation on Stem Cell Alignment on Cellâ€Ładen Hydrogel Yarns. Advanced Healthcare Materials, 2019, 8, e1801218.	7.6	84
26	Fibro-adipogenic progenitors of dystrophic mice are insensitive to NOTCH regulation of adipogenesis. Life Science Alliance, 2019, 2, e201900437.	2.8	41
27	Designing a 3D printed human derived artificial myo-structure for anal sphincter defects in anorectal malformations and adult secondary damage. Materials Today Communications, 2018, 15, 120-123.	1.9	7
28	High-Density ZnO Nanowires as a Reversible Myogenicâ€“Differentiation Switch. ACS Applied Materials & Interfaces, 2018, 10, 14097-14107.	8.0	23
29	Oxidative stress preconditioning of mouse perivascular myogenic progenitors selects a subpopulation of cells with a distinct survival advantage in vitro and in vivo. Cell Death and Disease, 2018, 9, 1.	6.3	600
30	A multi-cellular 3D bioprinting approach for vascularized heart tissue engineering based on HUVECs and iPSC-derived cardiomyocytes. Scientific Reports, 2018, 8, 13532.	3.3	268
31	Group I Paks support muscle regeneration and counteract cancerâ€associated muscle atrophy. Journal of Cachexia, Sarcopenia and Muscle, 2018, 9, 727-746.	7.3	20
32	Association between Psoriasis and haplotypes of the IgH 3' Regulatory Region 1. Gene, 2018, 669, 47-51.	2.2	6
33	Myoblast Myogenic Differentiation but Not Fusion Process Is Inhibited via MyoD Tetraplex Interaction. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-8.	4.0	7
34	Combination of biochemical and mechanical cues for tendon tissue engineering. Journal of Cellular and Molecular Medicine, 2017, 21, 2711-2719.	3.6	35
35	Microfluidic-enhanced 3D bioprinting of aligned myoblast-laden hydrogels leads to functionally organized myofibers inÂvitro and inÂvivo. Biomaterials, 2017, 131, 98-110.	11.4	252
36	Engineering Muscle Networks in 3D Gelatin Methacryloyl Hydrogels: Influence of Mechanical Stiffness and Geometrical Confinement. Frontiers in Bioengineering and Biotechnology, 2017, 5, 22.	4.1	60

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37	Regulation of myoblast differentiation by metabolic perturbations induced by metformin. PLoS ONE, 2017, 12, e0182475.	2.5	28
38	Evidence for a quadruplex structure in the polymorphic hs1.2 enhancer of the immunoglobulin heavy chain 3â€™ regulatory regions and its conservation in mammals. Biopolymers, 2016, 105, 768-778.	2.4	6
39	Activation of the Pro-Oxidant PKCÎ²II-p66Shc Signaling Pathway Contributes to Pericyte Dysfunction in Skeletal Muscles of Patients With Diabetes With Critical Limb Ischemia. Diabetes, 2016, 65, 3691-3704.	0.6	48
40	Matrix scaffolding for stem cell guidance toward skeletal muscle tissue engineering. Journal of Orthopaedic Surgery and Research, 2016, 11, 86.	2.3	59
41	Could a functional artificial skeletal muscle be useful in muscle wasting?. Current Opinion in Clinical Nutrition and Metabolic Care, 2016, 19, 1.	2.5	13
42	Characterization by mass cytometry of different methods for the preparation of muscle mononuclear cells. New Biotechnology, 2016, 33, 514-523.	4.4	9
43	PIM1 destabilization activates a p53-dependent response to ribosomal stress in cancer cells. Oncotarget, 2016, 7, 23837-23849.	1.8	16
44	<i>In vivo</i> generation of a mature and functional artificial skeletal muscle. EMBO Molecular Medicine, 2015, 7, 411-422.	6.9	79
45	Metformin Protects Skeletal Muscle from Cardiotoxin Induced Degeneration. PLoS ONE, 2014, 9, e114018.	2.5	45
46	The change in Ig regulation from children to adults disconnects the correlation with the 3â€™RR hs1.2 polymorphism. BMC Immunology, 2014, 15, 45.	2.2	7
47	PlGFâ€“MMP9-engineered iPS cells supported on a PEGâ€“fibrinogen hydrogel scaffold possess an enhanced capacity to repair damaged myocardium. Cell Death and Disease, 2014, 5, e1053-e1053.	6.3	54
48	3D hydrogel environment rejuvenates aged pericytes for skeletal muscle tissue engineering. Frontiers in Physiology, 2014, 5, 203.	2.8	90
49	<i>S</i>-Nitrosoglutathione Reductase Deficiency-Induced <i>S</i>-Nitrosylation Results in Neuromuscular Dysfunction. Antioxidants and Redox Signaling, 2014, 21, 570-587.	5.4	42
50	The Niche-Derived Glial Cell Line-Derived Neurotrophic Factor (GDNF) Induces Migration of Mouse Spermatogonial Stem/Progenitor Cells. PLoS ONE, 2013, 8, e59431.	2.5	39
51	Injectable polyethylene glycol-fibrinogen hydrogel adjuvant improves survival and differentiation of transplanted mesoangioblasts in acute and chronic skeletal-muscle degeneration. Skeletal Muscle, 2012, 2, 24.	4.2	78
52	Tissue engineering for skeletal muscle regeneration. Muscles, Ligaments and Tendons Journal, 2012, 2, 230-4.	0.3	34
53	Intramuscular Transplantation of Muscle Precursor Cells over-expressing MMP-9 improves Transplantation Success. PLOS Currents, 2011, 3, RRN1275.	1.4	8
54	Neurogenesis during optic tectum regeneration in <i>Xenopus laevis</i>. Development Growth and Differentiation, 2010, 52, 365-376.	1.5	9

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55	Isolation and characterization of a myotoxin from the venom of Macrovipera lebetina transmediterranea. Toxicon, 2010, 56, 381-390.	1.6	15
56	Purification and characterization of a fibrinogenolytic and hemorrhagic metalloproteinase isolated from Vipera lebetina venom. Biochimie, 2010, 92, 797-805.	2.6	35
57	PlGFâ€“MMP-9â€“expressing cells restore microcirculation and efficacy of cell therapy in aged dystrophic muscle. Nature Medicine, 2008, 14, 973-978.	30.7	115
58	The optic vesicle promotes cornea to lens transdifferentiation in larval Xenopus laevis. Journal of Anatomy, 2008, 212, 621-626.	1.5	10
59	The lens-regenerating competence in the outer cornea and epidermis of larval Xenopus laevis is related to pax6 expression. Journal of Anatomy, 2008, 212, 612-620.	1.5	17
60	Binding of sFRP-3 to EGF in the Extra-Cellular Space Affects Proliferation, Differentiation and Morphogenetic Events Regulated by the Two Molecules. PLoS ONE, 2008, 3, e2471.	2.5	16
61	Lens-forming competence in the epidermis ofXenopus laevis during development. Journal of Experimental Zoology Part A, Comparative Experimental Biology, 2005, 303A, 1-12.	1.3	21
62	Cell lineage tracing during<i>Xenopus</i>tail regeneration. Development (Cambridge), 2004, 131, 2669-2679.	2.5	186
63	Tissue interactions and lens-forming competence in the outer cornea of larvalXenopus laevis. The Journal of Experimental Zoology, 2003, 299A, 161-171.	1.4	16
64	A novel, inducible, eukaryotic gene expression system based on the quorumâ€sensing transcription factor TraR. EMBO Reports, 2003, 4, 159-165.	4.5	68
65	Crystallization and preliminary X-ray diffraction studies of the transcriptional regulator TraR bound to its cofactor and to a specific DNA sequence. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 1362-1364.	2.5	4
66	The crystal structure of the quorum sensing protein TraR bound to its autoinducer and target DNA. EMBO Journal, 2002, 21, 4393-4401.	7.8	306
67	Adipogenesis of Skeletal Muscle Fibro/Adipogenic Progenitors is Controlled by the WNT5a/GSK3/Î²-Catenin Axis. SSRN Electronic Journal, 0, , .	0.4	7
68	Comparison of Four Different Preparation Methods for Making Injectable Microgels for Tissue Engineering and Cell Therapy. Regenerative Engineering and Translational Medicine, 0, , .	2.9	2