Pier Lorenzo Puri

List of Publications by Year
in descending order

93 papers	8,625 citations	66343 42 h-index	45317 90 g-index
99 all docs	99 docs citations	99 times ranked	10076 citing authors

#	Article	IF	Citations
1	Determinants of epigenetic resistance to HDAC inhibitors in dystrophic fibroâ€adipogenic progenitors. EMBO Reports, 2022, 23, e54721.	4.5	7
2	LncRNA <i>EPR</i>-induced METTL7A1 modulates target gene translation. Nucleic Acids Research, 2022, 50, 7608-7622.	14.5	6
3	Activation of skeletal muscleâ€"resident glial cells upon nerve injury. JCI Insight, 2021, 6, .	5.0	20
4	MyoD induces ARTD1 and nucleoplasmic poly-ADP-ribosylation during fibroblast to myoblast transdifferentiation. IScience, 2021, 24, 102432.	4.1	2
5	Fibro-Adipogenic Progenitors: Versatile keepers of skeletal muscle homeostasis, beyond the response to myotrauma. Seminars in Cell and Developmental Biology, 2021, 119, 23-31.	5.0	3
6	Human skeletal muscle CD90+ fibro-adipogenic progenitors are associated with muscle degeneration in type 2 diabetic patients. Cell Metabolism, 2021, 33, 2201-2214.e10.	16.2	54
7	Revealing the Therapeutic Potential of Botulinum Neurotoxin Type A in Counteracting Paralysis and Neuropathic Pain in Spinally Injured Mice. Toxins, 2020, 12, 491.	3.4	15
8	Acute conversion of patient-derived Duchenne muscular dystrophy iPSC into myotubes reveals constitutive and inducible over-activation of TGFÎ²-dependent pro-fibrotic signaling. Skeletal Muscle, 2020, 10, 13.	4.2	25
9	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
10	HDAC inhibitors tune miRNAs in extracellular vesicles of dystrophic muscleâ€resident mesenchymal cells. EMBO Reports, 2020, 21, e50863.	4.5	45
11	Macrophages fine tune satellite cell fate in dystrophic skeletal muscle of mdx mice. PLoS Genetics, 2019, 15, e1008408.	3.5	35
12	Transcription Factor-Directed Re-wiring of Chromatin Architecture for Somatic Cell Nuclear Reprogramming toward trans-Differentiation. Molecular Cell, 2019, 76, 453-472.e8.	9.7	67
13	The Stat3-Fam3a axis promotes muscle stem cell myogenic lineage progression by inducing mitochondrial respiration. Nature Communications, 2019, 10, 1796.	12.8	38
14	Intergenerational inheritance of high fat diet-induced cardiac lipotoxicity in Drosophila. Nature Communications, 2019, 10, 193.	12.8	49
15	Givinostat reduces adverse cardiac remodeling through regulating fibroblasts activation. Cell Death and Disease, 2018, 9, 108.	6.3	34
16	Advanced Methods to Study the Cross Talk Between Fibro-Adipogenic Progenitors and Muscle Stem Cells. Methods in Molecular Biology, 2018, 1687, 231-256.	0.9	6
17	Genetic and pharmacological regulation of the endocannabinoid CB1 receptor in Duchenne muscular dystrophy. Nature Communications, 2018, 9, 3950.	12.8	43
18	Comprehensive RNA-Sequencing Analysis in Serum and Muscle Reveals Novel Small RNA Signatures with Biomarker Potential for DMD. Molecular Therapy - Nucleic Acids, 2018, 13, 1-15.	5.1	41

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19	Dynamics of cellular states of fibro-adipogenic progenitors during myogenesis and muscular dystrophy. Nature Communications, 2018, 9, 3670.	12.8	137
20	Denervation-activated STAT3â€“IL-6 signalling in fibro-adipogenic progenitors promotes myofibres atrophy and fibrosis. Nature Cell Biology, 2018, 20, 917-927.	10.3	189
21	Shaping Gene Expression by Landscaping Chromatin Architecture: Lessons from a Master. Molecular Cell, 2018, 71, 375-388.	9.7	45
22	Single Cell Gene Expression Profiling of Skeletal Muscle-Derived Cells. Methods in Molecular Biology, 2017, 1556, 191-219.	0.9	6
23	DNA damage signaling mediates the functional antagonism between replicative senescence and terminal muscle differentiation. Genes and Development, 2017, 31, 648-659.	5.9	25
24	BRD3 and BRD4 BET Bromodomain Proteins Differentially Regulate Skeletal Myogenesis. Scientific Reports, 2017, 7, 6153.	3.3	41
25	Id genes are essential for early heart formation. Genes and Development, 2017, 31, 1325-1338.	5.9	64
26	Muscle-relevant genes marked by stable H3K4me2/3 profiles and enriched MyoD binding during myogenic differentiation. PLoS ONE, 2017, 12, e0179464.	2.5	10
27	Reversal of Defective Mitochondrial Biogenesis in Limb-Girdle Muscular Dystrophy 2D by Independent Modulation of Histone and PGC-1Î± Acetylation. Cell Reports, 2016, 17, 3010-3023.	6.4	30
28	Muscles cannot break a NuRDy heart. EMBO Journal, 2016, 35, 1600-1602.	7.8	2
29	SWI/SNF-directed stem cell lineage specification: dynamic composition regulates specific stages of skeletal myogenesis. Cellular and Molecular Life Sciences, 2016, 73, 3887-3896.	5.4	29
30	Histological effects of givinostat in boys with Duchenne muscular dystrophy. Neuromuscular Disorders, 2016, 26, 643-649.	0.6	144
31	Could we also be regenerative superheroes, like salamanders?. BioEssays, 2016, 38, 917-926.	2.5	10
32	TBP/TFIID-dependent activation of MyoD target genes in skeletal muscle cells. ELife, 2016, 5, .	6.0	20
33	Brahma is required for cell cycle arrest and late muscle gene expression during skeletal myogenesis. EMBO Reports, 2015, 16, 1037-1050.	4.5	37
34	Regulation of Muscle Satellite Cell Function in Tissue Homeostasis and Aging. Cell Stem Cell, 2015, 16, 585-587.	11.1	29
35	STAT3 signaling controls satellite cell expansion and skeletal muscle repair. Nature Medicine, 2014, 20, 1182-1186.	30.7	301
36	HDAC-regulated myomiRs control BAF60 variant exchange and direct the functional phenotype of fibro-adipogenic progenitors in dystrophic muscles. Genes and Development, 2014, 28, 841-857.	5.9	132

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37	Redox or Death: Checking on Fetal Myogenesis. Developmental Cell, 2014, 29, 373-374.	7.0	1
38	Nitric Oxide and Histone Acetylationâ€"Shaping Craniofacial Development. Chemistry and Biology, 2014, 21, 565-566.	6.0	3
39	Coordinate Nodal and BMP inhibition directs Baf60c-dependent cardiomyocyte commitment. Genes and Development, 2013, 27, 2332-2344.	5.9	54
40	Fibroadipogenic progenitors mediate the ability of HDAC inhibitors to promote regeneration in dystrophic muscles of young, but not old Mdx mice. EMBO Molecular Medicine, 2013, 5, 626-639.	6.9	201
41	Epigenetic control of skeletal muscle regeneration. FEBS Journal, 2013, 280, 4014-4025.	4.7	38
42	Myosin Phosphatase Modulates the Cardiac Cell Fate by Regulating the Subcellular Localization of Nkx2.5 in a Wnt/Rhoâ€"Associated Protein Kinaseâ€"Dependent Pathway. Circulation Research, 2013, 112, 257-266.	4.5	13
43	Epigenetic Reprogramming of Human Embryonic Stem Cells into Skeletal Muscle Cells and Generation of Contractile Myospheres. Cell Reports, 2013, 3, 661-670.	6.4	116
44	A novel AMPK-dependent FoxO3A-SIRT3 intramitochondrial complex sensing glucose levels. Cellular and Molecular Life Sciences, 2013, 70, 2015-2029.	5.4	85
45	Studying arrhythmogenic right ventricular dysplasia with patient-specific iPSCs. Nature, 2013, 494, 105-110.	27.8	474
46	Preclinical Studies in the mdx Mouse Model of Duchenne Muscular Dystrophy with the Histone Deacetylase Inhibitor Givinostat. Molecular Medicine, 2013, 19, 79-87.	4.4	116
47	Signal-dependent incorporation of MyoD-BAF60c into Brg1-based SWI/SNF chromatin-remodelling complex. EMBO Journal, 2012, 31, 301-316.	7.8	185
48	BAF60 A, B, and Cs of muscle determination and renewal. Genes and Development, 2012, 26, 2673-2683.	5.9	50
49	SIRT1 signaling as potential modulator of skeletal muscle diseases. Current Opinion in Pharmacology, 2012, 12, 372-376.	3.5	41
50	"Mix of Mics"- Phenotypic and Biological Heterogeneity of "Multipotent" Muscle Interstitial Cells (MICs). Journal of Stem Cell Research & Therapy, 2012, , .	0.3	15
51	Phosphoryl-EZH-ion. Cell Stem Cell, 2011, 8, 262-265.	11.1	27
52	Histone Deacetylase Inhibitors in the Treatment of Muscular Dystrophies: Epigenetic Drugs for Genetic Diseases. Molecular Medicine, 2011, 17, 457-465.	4.4	75
53	An evolutionarily acquired genotoxic response discriminates MyoD from Myf5, and differentially regulates hypaxial and epaxial myogenesis. EMBO Reports, 2011, 12, 164-171.	4.5	15
54	Coordination of cell cycle, DNA repair and muscle gene expression in myoblasts exposed to genotoxic stress. Cell Cycle, 2011, 10, 2355-2363.	2.6	20

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55	SWI/SNF complexes, chromatin remodeling and skeletal myogenesis: It's time to exchange!. Experimental Cell Research, 2010, 316, 3073-3080.	2.6	37
56	HDACs and sirtuins: Targets for new pharmacological interventions in human diseases. Pharmacological Research, 2010, 62, 1-2.	7.1	5
57	Switch NFix Developmental Myogenesis. Developmental Cell, 2010, 18, 340-341.	7.0	3
58	TNF/p38Î±/Polycomb Signaling to Pax7 Locus in Satellite Cells Links Inflammation to the Epigenetic Control of Muscle Regeneration. Cell Stem Cell, 2010, 7, 455-469.	11.1	346
59	Nitric oxide deficiency determines global chromatin changes in Duchenne muscular dystrophy. FASEB Journal, 2009, 23, 2131-2141.	0.5	69
60	Chromatin: the interface between extrinsic cues and the epigenetic regulation of muscle regeneration. Trends in Cell Biology, 2009, 19, 286-294.	7.9	87
61	A Systems Approach Reveals that the Myogenesis Genome Network Is Regulated by the Transcriptional Repressor RP58. Developmental Cell, 2009, 17, 836-848.	7.0	259
62	Regenerative pharmacology in the treatment of genetic diseases: The paradigm of muscular dystrophy. International Journal of Biochemistry and Cell Biology, 2009, 41, 701-710.	2.8	37
63	HDAC2 blockade by nitric oxide and histone deacetylase inhibitors reveals a common target in Duchenne muscular dystrophy treatment. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19183-19187.	7.1	234
64	Epigenetic drugs in the treatment of skeletal muscle atrophy. Current Opinion in Clinical Nutrition and Metabolic Care, 2008, 11, 233-241.	2.5	28
65	The ER-Bound RING Finger Protein 5 (RNF5/RMA1) Causes Degenerative Myopathy in Transgenic Mice and Is Deregulated in Inclusion Body Myositis. PLoS ONE, 2008, 3, e1609.	2.5	57
66	Functional Interdependence at the Chromatin Level between the MKK6/p38 and IGF1/PI3K/AKT Pathways during Muscle Differentiation. Molecular Cell, 2007, 28, 200-213.	9.7	174
67	DNA damage and cellular differentiation: More questions than responses. Journal of Cellular Physiology, 2007, 213, 642-648.	4.1	37
68	The epigenetic network regulating muscle development and regeneration. Journal of Cellular Physiology, 2006, 207, 1-11.	4.1	103
69	MyoD recruits the cdk9/cyclin T2 complex on Myogenic-genes regulatory regions. Journal of Cellular Physiology, 2006, 206, 807-813.	4.1	51
70	A Two-Hit Mechanism for Pre-Mitotic Arrest of Cancer Cell Proliferation by a Polyamide-Alkylator Conjugate. Cell Cycle, 2006, 5, 1537-1548.	2.6	24
71	Phosphorylation-Dependent Degradation of p300 by Doxorubicin-Activated p38 Mitogen-Activated Protein Kinase in Cardiac Cells. Molecular and Cellular Biology, 2005, 25, 2673-2687.	2.3	108
72	p38-Dependent Phosphorylation of the mRNA Decay-Promoting Factor KSRP Controls the Stability of Select Myogenic Transcripts. Molecular Cell, 2005, 20, 891-903.	9.7	212

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73	Signaling to the chromatin during skeletal myogenesis: Novel targets for pharmacological modulation of gene expression. Seminars in Cell and Developmental Biology, 2005, 16, 596-611.	5.0	39
74	Differentiation-Induced Radioresistance in Muscle Cells. Molecular and Cellular Biology, 2004, 24, 6350-6361.	2.3	66
75	p38 pathway targets SWI-SNF chromatin-remodeling complex to muscle-specific loci. Nature Genetics, 2004, 36, 738-743.	21.4	364
76	Deacetylase recruitment by the C/H3 domain of the acetyltransferase p300. Oncogene, 2004, 23, 2177-2187.	5.9	33
77	Deacetylase Inhibitors Increase Muscle Cell Size by Promoting Myoblast Recruitment and Fusion through Induction of Follistatin. Developmental Cell, 2004, 6, 673-684.	7.0	214
78	Endothelial activation by angiotensin II through NFÎºB and p38 pathways: Involvement of NFÎºBâ€inducible kinase (NIK), free oxygen radicals, and selective inhibition by aspirin. Journal of Cellular Physiology, 2003, 195, 402-410.	4.1	127
79	Stage-specific modulation of skeletal myogenesis by inhibitors of nuclear deacetylases. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 7757-7762.	7.1	114
80	Activation of MyoD-dependent transcription by cdk9/cyclin T2. Oncogene, 2002, 21, 4137-4148.	5.9	106
81	A myogenic differentiation checkpoint activated by genotoxic stress. Nature Genetics, 2002, 32, 585-593.	21.4	108
82	Class I Histone Deacetylases Sequentially Interact with MyoD and pRb during Skeletal Myogenesis. Molecular Cell, 2001, 8, 885-897.	9.7	197
83	Regulation of muscle regulatory factors by DNA-binding, interacting proteins, and post-transcriptional modifications. Journal of Cellular Physiology, 2000, 185, 155-173.	4.1	262
84	p38 and Extracellular Signal-Regulated Kinases Regulate the Myogenic Program at Multiple Steps. Molecular and Cellular Biology, 2000, 20, 3951-3964.	2.3	419
85	Regulation of muscle regulatory factors by DNA-binding, interacting proteins, and post-transcriptional modifications. , 2000, 185, 155.		1
86	Acetylation of MyoD Directed by PCAF Is Necessary for the Execution of the Muscle Program. Molecular Cell, 1999, 4, 725-734.	9.7	334
87	Regulation of Histone Acetyltransferases p300 and PCAF by the bHLH Protein Twist and Adenoviral Oncoprotein E1A. Cell, 1999, 96, 405-413.	28.9	350
88	Critical Role Played by Cyclin D3 in the MyoD-Mediated Arrest of Cell Cycle during Myoblast Differentiation. Molecular and Cellular Biology, 1999, 19, 5203-5217.	2.3	129
89	Binding of CDK9 to TRAF2. Journal of Cellular Biochemistry, 1998, 71, 467-478.	2.6	34
90	Differential Roles of p300 and PCAF Acetyltransferases in Muscle Differentiation. Molecular Cell, 1997, 1, 35-45.	9.7	398

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91	MyoD prevents cyclinA/cdk2 containing E2F complexes formation in terminally differentiated myocytes. Oncogene, 1997, 14, 1171-1184.	5.9	43
92	Uncoupling of p21 induction and MyoD activation results in the failure of irreversible cell cycle arrest in doxorubicin-treated myocytes. Journal of Cellular Biochemistry, 1997, 66, 27-36.	2.6	13
93	Reactive Oxygen Intermediates Mediate Angiotensin II-induced c-Junâ€¢c-Fos Heterodimer DNA Binding Activity and Proliferative Hypertrophic Responses in Myogenic Cells. Journal of Biological Chemistry, 1995, 270, 22129-22134.	3.4	113