Fabio M Rossi

List of Publications by Year
in descending order

121	13,201	38742 50	23533 111
papers	citations	h-index	g-index

141	141	141	16664
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Methylation of the Hippo effector YAP by the methyltransferase SETD7 drives myocardial ischaemic injury: a translational study. Cardiovascular Research, 2023, 118, 3374-3385.	3.8	10
2	Macrophages in Skeletal Muscle Dystrophies, An Entangled Partner. Journal of Neuromuscular Diseases, 2022, 9, 1-23.	2.6	17
3	Emerging skeletal muscle stromal cell diversity: Functional divergence in fibro/adipogenic progenitor and mural cell populations. Experimental Cell Research, 2022, 410, 112947.	2.6	7
4	Elevated numbers of infiltrating eosinophils accelerate the progression of Duchenne muscular dystrophy pathology in mdx mice. Development (Cambridge), 2022, 149, .	2.5	4
5	Cholesterol absorption blocker ezetimibe prevents muscle wasting in severe dysferlinâ€deficient and mdx mice. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 544-560.	7.3	15
6	Pleiotropic activation of endothelial function by angiotensin II receptor blockers is crucial to their protective anti-vascular remodeling effects. Scientific Reports, 2022, 12, .	3.3	7
7	Lipid nanoparticle-mediated silencing of osteogenic suppressor GNAS leads to osteogenic differentiation of mesenchymal stem cells inÂvivo. Molecular Therapy, 2022, 30, 3034-3051.	8.2	10
8	Metabolic reprogramming of skeletal muscle by resident macrophages points to CSF1R inhibitors as muscular dystrophy therapeutics. Science Translational Medicine, 2022, 14, .	12.4	29
9	Fibroblast and Myofibroblast Subtypes: Single Cell Sequencing. Methods in Molecular Biology, 2021, 2299, 49-84.	0.9	7
10	Mapping the origin and fate of myeloid cells in distinct compartments of the eye by singleâ€cell profiling. EMBO Journal, 2021, 40, e105123.	7.8	60
11	The Effect of Posterior Lumbar Spinal Surgery on Biomechanical Properties of Rat Paraspinal Muscles 13â€ŠWeeks After Surgery. Spine, 2021, 46, E1125-E1135.	2.0	3
12	Evolving Roles of Muscle-Resident Fibro-Adipogenic Progenitors in Health, Regeneration, Neuromuscular Disorders, and Aging. Frontiers in Physiology, 2021, 12, 673404.	2.8	55
13	Adipocyte death triggers a pro-inflammatory response and induces metabolic activation of resident macrophages. Cell Death and Disease, 2021, 12, 579.	6.3	47
14	Migration of Lung Resident Group 2 Innate Lymphoid Cells Link Allergic Lung Inflammation and Liver Immunity. Frontiers in Immunology, 2021, 12, 679509.	4.8	11
15	Origins, potency, and heterogeneity of skeletal muscle fibro-adipogenic progenitorsâ€”time for new definitions. Skeletal Muscle, 2021, 11, 16.	4.2	60
16	In vitro assessment of anti-fibrotic drug activity does not predict in vivo efficacy in murine models of Duchenne muscular dystrophy. Life Sciences, 2021, 279, 119482.	4.3	13
17	Larger muscle fibers and fiber bundles manifest smaller elastic modulus in paraspinal muscles of rats and humans. Scientific Reports, 2021, 11, 18565.	3.3	5
18	Multipotent stromal cells: One name, multiple identities. Cell Stem Cell, 2021, 28, 1690-1707.	11.1	73

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19	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
20	Distinct Regulatory Programs Control the Latent Regenerative Potential of Dermal Fibroblasts during Wound Healing. Cell Stem Cell, 2020, 27, 396-412.e6.	11.1	120
21	Systemic hypoxia mimicry enhances axonal regeneration and functional recovery following peripheral nerve injury. Experimental Neurology, 2020, 334, 113436.	4.1	7
22	Closing gaps, opening doors: an experimental collaboration in stem cell intervention. Molecular Biology Reports, 2020, 47, 4105-4108.	2.3	0
23	Towards stem cell therapies for skeletal muscle repair. Npj Regenerative Medicine, 2020, 5, 10.	5.2	56
24	High prevalence of plasma lipid abnormalities in human and canine Duchenne and Becker muscular dystrophies depicts a new type of primary genetic dyslipidemia. Journal of Clinical Lipidology, 2020, 14, 459-469.e0.	1.5	18
25	Pathogenic Potential of Hic1-Expressing Cardiac Stromal Progenitors. Cell Stem Cell, 2020, 26, 205-220.e8.	11.1	60
26	Murine Tissueâ€Resident PDGFRÎ±+ Fibroâ€Adipogenic Progenitors Spontaneously Acquire Osteogenic Phenotype in an Altered Inflammatory Environment. Journal of Bone and Mineral Research, 2020, 35, 1525-1534.	2.8	40
27	Cardiac fibroblast diversity in health and disease. Matrix Biology, 2020, 91-92, 75-91.	3.6	27
28	TGF-Î²-driven downregulation of the Wnt/Î²-Catenin transcription factor TCF7L2/TCF4 in PDGFRÎ±+ fibroblasts. Journal of Cell Science, 2020, 133, .	2.0	26
29	Adherent muscle connective tissue fibroblasts are phenotypically and biochemically equivalent to stromal fibro/adipogenic progenitors. Matrix Biology Plus, 2019, 2, 100006.	3.5	37
30	The cross-talk between TGF-Î² and PDGFRÎ± signaling pathways regulates stromal fibro/adipogenic progenitorsâ€™ fate. Journal of Cell Science, 2019, 132, .	2.0	70
31	Targeting myeloid-derived suppressor cells in combination with primary mammary tumor resection reduces metastatic growth in the lungs. Breast Cancer Research, 2019, 21, 103.	5.0	55
32	The origins and non-canonical functions of macrophages in development and regeneration. Development (Cambridge), 2019, 146, .	2.5	98
33	Hic1 Defines Quiescent Mesenchymal Progenitor Subpopulations with Distinct Functions and Fates in Skeletal Muscle Regeneration. Cell Stem Cell, 2019, 25, 797-813.e9.	11.1	145
34	Inhibition of Methyltransferase Setd7 Allows the InÂVitro Expansion of Myogenic Stem Cells with Improved Therapeutic Potential. Cell Stem Cell, 2018, 22, 177-190.e7.	11.1	54
35	Increased nonHDL cholesterol levels cause muscle wasting and ambulatory dysfunction in the mouse model of LGMD2B. Journal of Lipid Research, 2018, 59, 261-272.	4.2	24
36	Microgliaâ€™s heretical self-renewal. Nature Neuroscience, 2018, 21, 455-456.	14.8	9

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37	Fibro/Adipogenic Progenitors (FAPs): Isolation by FACS and Culture. Methods in Molecular Biology, 2017, 1556, 179-189.	0.9	25
38	Isolation, Culture, and Differentiation of Fibro/Adipogenic Progenitors (FAPs) from Skeletal Muscle. Methods in Molecular Biology, 2017, 1668, 93-103.	0.9	39
39	A blueprint for the next generation of ELSI research, training, and outreach in regenerative medicine. Npj Regenerative Medicine, 2017, 2, 21.	5.2	5
40	Loss of Vascular CD34 Results in Increased Sensitivity to Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2017, 57, 651-661.	2.9	12
41	Increased plasma lipid levels exacerbate muscle pathology in the mdx mouse model of Duchenne muscular dystrophy. Skeletal Muscle, 2017, 7, 19.	4.2	42
42	Bone Marrow-Derived Cell Accumulation in the Spinal Cord Is Independent of Peripheral Mobilization in a Mouse Model of Amyotrophic Lateral Sclerosis. Frontiers in Neurology, 2017, 8, 75.	2.4	7
43	Pharmacological blockage of fibro/adipogenic progenitor expansion and suppression of regenerative fibrogenesis is associated with impaired skeletal muscle regeneration. Stem Cell Research, 2016, 17, 161-169.	0.7	124
44	SETD7 Controls Intestinal Regeneration and Tumorigenesis by Regulating Wnt/Î²-Catenin and Hippo/YAP Signaling. Developmental Cell, 2016, 37, 47-57.	7.0	87
45	Origin, fate and dynamics of macrophages at central nervous system interfaces. Nature Immunology, 2016, 17, 797-805.	14.5	872
46	The lysine methyltransferase Ehmt2/G9a is dispensable for skeletal muscle development and regeneration. Skeletal Muscle, 2016, 6, 22.	4.2	26
47	Loss of niche-satellite cell interactions in syndecan-3 null mice alters muscle progenitor cell homeostasis improving muscle regeneration. Skeletal Muscle, 2016, 6, 34.	4.2	43
48	G9a regulates group 2 innate lymphoid cell development by repressing the group 3 innate lymphoid cell program. Journal of Experimental Medicine, 2016, 213, 1153-1162.	8.5	32
49	Busulfan as a Myelosuppressive Agent for Generating Stable High-level Bone Marrow Chimerism in Mice. Journal of Visualized Experiments, 2015, , e52553.	0.3	22
50	Nilotinib reduces muscle fibrosis in chronic muscle injury by promoting TNF-mediated apoptosis of fibro/adipogenic progenitors. Nature Medicine, 2015, 21, 786-794.	30.7	540
51	Submyeloablative conditioning with busulfan permits bone marrow-derived cell accumulation in a murine model of Alzheimerâ€™s disease. Neuroscience Letters, 2015, 588, 196-201.	2.1	9
52	Skeletal muscle-resident MSCs and bone formation. Bone, 2015, 80, 19-23.	2.9	28
53	(R)-PFI-2 is a potent and selective inhibitor of SETD7 methyltransferase activity in cells. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12853-12858.	7.1	158
54	The methyltransferase G9a regulates HoxA9-dependent transcription in AML. Genes and Development, 2014, 28, 317-327.	5.9	121

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55	In vivo characterization of neural crest-derived fibro/adipogenic progenitor cells as a likely cellular substrate for craniofacial fibrofatty infiltrating disorders. Biochemical and Biophysical Research Communications, 2014, 451, 148-151.	2.1	11
56	Collision or convergence?. Trends in Neurosciences, 2014, 37, 409-412.	8.6	6
57	The role of microglia in human disease: therapeutic tool or target?. Acta Neuropathologica, 2014, 128, 363-380.	7.7	120
58	Methyltransferase G9A regulates T cell differentiation during murine intestinal inflammation. Journal of Clinical Investigation, 2014, 124, 1945-1955.	8.2	81
59	Control of the Hippo Pathway by Set7-Dependent Methylation of Yap. Developmental Cell, 2013, 26, 188-194.	7.0	130
60	Tissueâ€resident mesenchymal stem/progenitor cells in skeletal muscle: collaborators or saboteurs?. FEBS Journal, 2013, 280, 4100-4108.	4.7	98
61	Myelosuppressive Conditioning Using Busulfan Enables Bone Marrow Cell Accumulation in the Spinal Cord of a Mouse Model of Amyotrophic Lateral Sclerosis. PLoS ONE, 2013, 8, e60661.	2.5	18
62	Tissue-residentÂSca1+ÂPDGFRÎ±+ mesenchymal progenitors are the cellular source of fibrofatty infiltration in arrhythmogenic cardiomyopathy. F1000Research, 2013, 2, 141.	1.6	13
63	InÂvivoevaluation of calcium polyphosphate for bone regeneration. Journal of Biomaterials Applications, 2012, 27, 267-275.	2.4	10
64	The Neuroinflammatory Response in ALS: The Roles of Microglia and T Cells. Neurology Research International, 2012, 2012, 1-8.	1.3	62
65	Role of stem/progenitor cells in reparative disorders. Fibrogenesis and Tissue Repair, 2012, 5, 20.	3.4	27
66	Functionally Convergent White Adipogenic Progenitors of Different Lineages Participate in a Diffused System Supporting Tissue Regeneration. Stem Cells, 2012, 30, 1152-1162.	3.2	69
67	Deconstruction of the SS18-SSX Fusion Oncoprotein Complex: Insights into Disease Etiology and Therapeutics. Cancer Cell, 2012, 21, 333-347.	16.8	135
68	Bone Marrowâ€“Derived Cells as Treatment Vehicles in the Central Nervous System. , 2012, , 109-123.		0
69	Nonmyogenic Cells in Skeletal Muscle Regeneration. Current Topics in Developmental Biology, 2011, 96, 139-165.	2.2	44
70	Infiltrating monocytes trigger EAE progression, but do not contribute to the resident microglia pool. Nature Neuroscience, 2011, 14, 1142-1149.	14.8	913
71	p53-Dependent Transcription and Tumor Suppression Are Not Affected in Set7/9-Deficient Mice. Molecular Cell, 2011, 43, 673-680.	9.7	66
72	NUP98-HOXA10hd-Expanded Hematopoietic Stem Cells Efficiently Reconstitute Bone Marrow of Mismatched Recipients and Induce Tolerance. Cell Transplantation, 2011, 20, 1099-1108.	2.5	5

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73	Prolonged self-renewal activity unmasks telomerase control of telomere homeostasis and function of mouse hematopoietic stem cells. Blood, 2011, 118, 1766-1773.	1.4	19
74	Purification of Progenitors from Skeletal Muscle. Journal of Visualized Experiments, 2011, , .	0.3	25
75	CD34 Promotes Satellite Cell Motility and Entry into Proliferation to Facilitate Efficient Skeletal Muscle Regeneration. Stem Cells, 2011, 29, 2030-2041.	3.2	65
76	Lysine methyltransferase G9a is required for de novo DNA methylation and the establishment, but not the maintenance, of proviral silencing. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5718-5723.	7.1	105
77	Targeted Cell Fusion Facilitates Stable Heterokaryon Generation In Vitro and In Vivo. PLoS ONE, 2011, 6, e26381.	2.5	11
78	Effect of bone graft substitute on marrow stromal cell proliferation and differentiation. Journal of Biomedical Materials Research - Part A, 2010, 94A, 877-885.	4.0	6
79	Microtopographical regulation of adult bone marrow progenitor cells chondrogenic and osteogenic gene and protein expressions. Journal of Biomedical Materials Research - Part A, 2010, 95A, 294-304.	4.0	15
80	Periodontal regeneration using engineered bone marrow mesenchymal stromal cells. Biomaterials, 2010, 31, 8574-8582.	11.4	132
81	Convergent Genesis of an Adult Neural Crest-Like Dermal Stem Cell from Distinct Developmental Origins. Stem Cells, 2010, 28, 2027-2040.	3.2	100
82	Muscle injury activates resident fibro/adipogenic progenitors that facilitate myogenesis. Nature Cell Biology, 2010, 12, 153-163.	10.3	1,299
83	CD34 mediates intestinal inflammation in Salmonella-infected mice. Cellular Microbiology, 2010, 12, 1562-1575.	2.1	17
84	Fibro/adipogenic progenitors: A double-edged sword in skeletal muscle regeneration. Cell Cycle, 2010, 9, 2045-2046.	2.6	64
85	Activating and inhibitory functions for the histone lysine methyltransferase G9a in T helper cell differentiation and function. Journal of Experimental Medicine, 2010, 207, 915-922.	8.5	113
86	Effects of granulocyte-colony stimulating factor on bone marrow-derived progenitor cells in murine cardiac transplantation. Cardiovascular Pathology, 2010, 19, 36-47.	1.6	3
87	Mesenchymal stem cells for repair of the airway epithelium in asthma. Expert Review of Respiratory Medicine, 2010, 4, 747-758.	2.5	19
88	Activating and inhibitory functions for the histone lysine methyltransferase G9a in T helper cell differentiation and function. Journal of Cell Biology, 2010, 189, i9-i9.	5.2	0
89	Thymic progenitor homing and lymphocyte homeostasis are linked via S1P-controlled expression of thymic P-selectin/CCL25. Journal of Experimental Medicine, 2009, 206, 761-778.	8.5	91
90	Bone marrowâ€derived cells in the central nervous system of a mouse model of amyotrophic lateral sclerosis are associated with blood vessels and express CX₃CR1. Glia, 2009, 57, 1410-1419.	4.9	36

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91	Depot-Specific Differences in Adipogenic Progenitor Abundance and Proliferative Response to High-Fat Diet. Stem Cells, 2009, 27, 2563-2570.	3.2	231
92	The differentialin vitroandin vivoresponses of bone marrow stromal cells on novel porous gelatinÃ¢Â€Â“alginate scaffolds. Journal of Tissue Engineering and Regenerative Medicine, 2009, 3, 601-614.	2.7	58
93	Effects of continuous and pulsatile PTH treatments on rat bone marrow stromal cells. Biochemical and Biophysical Research Communications, 2009, 380, 791-796.	2.1	20
94	Sca-1 expression is required for efficient remodeling of the extracellular matrix during skeletal muscle regeneration. Developmental Biology, 2009, 326, 47-59.	2.0	56
95	Silencing Inhibits Cre-Mediated Recombination of the Z/AP and Z/EG Reporters in Adult Cells. PLoS ONE, 2009, 4, e5435.	2.5	61
96	Extensive fusion of haematopoietic cells with Purkinje neurons in response to chronic inflammation. Nature Cell Biology, 2008, 10, 575-583.	10.3	219
97	Ex vivo expansion of rat bone marrow mesenchymal stromal cells on microcarrier beads in spin culture. Biomaterials, 2007, 28, 3110-3120.	11.4	126
98	Local self-renewal can sustain CNS microglia maintenance and function throughout adult life. Nature Neuroscience, 2007, 10, 1538-1543.	14.8	1,340
99	Origin and distribution of bone marrow-derived cells in the central nervous system in a mouse model of amyotrophic lateral sclerosis. Glia, 2006, 53, 744-753.	4.9	95
100	Methods for Examining Stem Cells in Post-Ischemic and Transplanted Hearts. , 2005, 112, 223-238.		7
101	Recruitment of adult thymic progenitors is regulated by P-selectin and its ligand PSGL-1. Nature Immunology, 2005, 6, 626-634.	14.5	213
102	Bone marrow-derived recipient cells in murine transplanted hearts: potential roles and the effect of immunosuppression. Laboratory Investigation, 2005, 85, 982-991.	3.7	12
103	Minimal Contribution of Marrow-Derived Endothelial Precursors to Tumor Vasculature. Journal of Immunology, 2005, 175, 2890-2899.	0.8	72
104	Circulating myogenic progenitors and muscle repair. Seminars in Cell and Developmental Biology, 2005, 16, 632-640.	5.0	16
105	Strategies of Conditional Gene Expression in Myocardium. Methods in Molecular Medicine, 2005, 112, 109-154.	0.8	37
106	Contribution of hematopoietic stem cells to skeletal muscle. Nature Medicine, 2003, 9, 1528-1532.	30.7	238
107	Something in the Eye of the Beholder. Science, 2002, 298, 361c-363.	12.6	33
108	Latest developments and in vivo use of the Tet system: ex vivo and in vivo delivery of tetracycline-regulated genes. Current Opinion in Biotechnology, 2002, 13, 448-452.	6.6	89

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109	Epidermal growth factor receptor dimerization monitored in live cells. Nature Biotechnology, 2000, 18, 218-222.	17.5	90
110	Interaction blues: protein interactions monitored in live mammalian cells by Î²-galactosidase complementation. Trends in Cell Biology, 2000, 10, 119-122.	7.9	54
111	Transcriptional Control. Molecular Cell, 2000, 6, 723-728.	9.7	130
112	From Marrow to Brain: Expression of Neuronal Phenotypes in Adult Mice. Science, 2000, 290, 1775-1779.	12.6	1,480
113	Tet B or not tet B: Advances in tetracycline-inducible gene expression. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 797-799.	7.1	111
114	Tetracycline-regulatable factors with distinct dimerization domains allow reversible growth inhibition by p16. Nature Genetics, 1998, 20, 389-393.	21.4	117
115	Recent advances in inducible gene expression systems. Current Opinion in Biotechnology, 1998, 9, 451-456.	6.6	106
116	Graded transcriptional response to different concentrations of a single transactivator. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 13670-13675.	7.1	98
117	Thrombomucin, a Novel Cell Surface Protein that Defines Thrombocytes and Multipotent Hematopoietic Progenitors. Journal of Cell Biology, 1997, 138, 1395-1407.	5.2	118
118	Monitoring protein-protein interactions in intact eukaryotic cells by Â-galactosidase complementation. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 8405-8410.	7.1	315
119	Expression ofruntBIs Modulated during Chondrocyte Differentiation. Experimental Cell Research, 1996, 223, 215-226.	2.6	14
120	Excision of Ets by an inducible site-specific recombinase causes differentiation of Mybâ€“Ets-transformed hematopoietic progenitors. Current Biology, 1996, 6, 866-872.	3.9	17
121	Different thermostabilities of FLP and Cre recombinases: implications for applied site-specific recombination. Nucleic Acids Research, 1996, 24, 4256-4262.	14.5	165