Fabio M Rossi

List of Publications by Citations

115 papers	10,128 citations	46 h-index	100 g-index
141 ext. papers	11,883 ext. citations	10.6 avg, IF	6.12 L-index

#	Paper	IF	Citations
115	From marrow to brain: expression of neuronal phenotypes in adult mice. *Science*, **2000**, 290, 1775-9	33.3	1289
114	Local self-renewal can sustain CNS microglia maintenance and function throughout adult life. *Nature Neuroscience*, **2007**, 10, 1538-43	25.5	1112
113	Muscle injury activates resident fibro/adipogenic progenitors that facilitate myogenesis. *Nature Cell Biology*, **2010**, 12, 153-63	23.4	976
112	Infiltrating monocytes trigger EAE progression, but do not contribute to the resident microglia pool. *Nature Neuroscience*, **2011**, 14, 1142-9	25.5	748
111	Origin, fate and dynamics of macrophages at central nervous system interfaces. *Nature Immunology* , **2016**, 17, 797-805	19.1	572
110	Nilotinib reduces muscle fibrosis in chronic muscle injury by promoting TNF-mediated apoptosis of fibro/adipogenic progenitors. *Nature Medicine*, **2015**, 21, 786-94	50.5	358
109	Monitoring protein-protein interactions in intact eukaryotic cells by beta-galactosidase complementation. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 8405-10	11.5	282
108	Contribution of hematopoietic stem cells to skeletal muscle. *Nature Medicine*, **2003**, 9, 1528-32	50.5	209
107	Depot-specific differences in adipogenic progenitor abundance and proliferative response to high-fat diet. *Stem Cells*, **2009**, 27, 2563-70	5.8	203
106	Recruitment of adult thymic progenitors is regulated by P-selectin and its ligand PSGL-1. *Nature Immunology*, **2005**, 6, 626-34	19.1	186
105	Extensive fusion of haematopoietic cells with Purkinje neurons in response to chronic inflammation. *Nature Cell Biology*, **2008**, 10, 575-83	23.4	184
104	Different thermostabilities of FLP and Cre recombinases: implications for applied site-specific recombination. *Nucleic Acids Research*, **1996**, 24, 4256-62	20.1	146
103	(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, 12853-8	11.5	120
102	Transcriptional control: rheostat converted to on/off switch. *Molecular Cell*, **2000**, 6, 723-8	17.6	120
101	Ex vivo expansion of rat bone marrow mesenchymal stromal cells on microcarrier beads in spin culture. *Biomaterials*, **2007**, 28, 3110-20	15.6	118
100	Deconstruction of the SS18-SSX fusion oncoprotein complex: insights into disease etiology and therapeutics. *Cancer Cell*, **2012**, 21, 333-47	24.3	116
99	Periodontal regeneration using engineered bone marrow mesenchymal stromal cells. *Biomaterials*, **2010**, 31, 8574-82	15.6	115

98	Thrombomucin, a novel cell surface protein that defines thrombocytes and multipotent hematopoietic progenitors. *Journal of Cell Biology*, **1997**, 138, 1395-407	7.3	109
97	Tetracycline-regulatable factors with distinct dimerization domains allow reversible growth inhibition by p16. *Nature Genetics*, **1998**, 20, 389-93	36.3	107
96	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, 797-9	11.5	104
95	The methyltransferase G9a regulates HoxA9-dependent transcription in AML. *Genes and Development*, **2014**, 28, 317-27	12.6	102
94	Control of the hippo pathway by Set7-dependent methylation of Yap. *Developmental Cell*, **2013**, 26, 188-94	14.2	100
93	Recent advances in inducible gene expression systems. *Current Opinion in Biotechnology*, **1998**, 9, 451-6	11.4	96
92	Activating and inhibitory functions for the histone lysine methyltransferase G9a in T helper cell differentiation and function. *Journal of Experimental Medicine*, **2010**, 207, 915-22	16.6	95
91	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, 5718-23	11.5	94
90	Origin and distribution of bone marrow-derived cells in the central nervous system in a mouse model of amyotrophic lateral sclerosis. *Glia*, **2006**, 53, 744-53	9	91
89	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, 13670-5	11.5	91
88	The role of microglia in human disease: therapeutic tool or target?. *Acta Neuropathologica*, **2014**, 128, 363-80	14.3	89
87	Epidermal growth factor receptor dimerization monitored in live cells. *Nature Biotechnology*, **2000**, 18, 218-22	44.5	85
86	Convergent genesis of an adult neural crest-like dermal stem cell from distinct developmental origins. *Stem Cells*, **2010**, 28, 2027-40	5.8	84
85	Tissue-resident mesenchymal stem/progenitor cells in skeletal muscle: collaborators or saboteurs?. *FEBS Journal*, **2013**, 280, 4100-8	5.7	83
84	Pharmacological blockage of fibro/adipogenic progenitor expansion and suppression of regenerative fibrogenesis is associated with impaired skeletal muscle regeneration. *Stem Cell Research*, **2016**, 17, 161-9	1.6	83
83	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, 448-52	11.4	78
82	Thymic progenitor homing and lymphocyte homeostasis are linked via S1P-controlled expression of thymic P-selectin/CCL25. *Journal of Experimental Medicine*, **2009**, 206, 761-78	16.6	76
81	Minimal contribution of marrow-derived endothelial precursors to tumor vasculature. *Journal of Immunology*, **2005**, 175, 2890-9	5.3	69

80	SETD7 Controls Intestinal Regeneration and Tumorigenesis by Regulating Wnt/β-Catenin and Hippo/YAP Signaling. *Developmental Cell*, **2016**, 37, 47-57	10.2	64
79	Hic1 Defines Quiescent Mesenchymal Progenitor Subpopulations with Distinct Functions and Fates in Skeletal Muscle Regeneration. *Cell Stem Cell*, **2019**, 25, 797-813.e9	18	64
78	Methyltransferase G9A regulates T cell differentiation during murine intestinal inflammation. *Journal of Clinical Investigation*, **2014**, 124, 1945-55	15.9	57
77	p53-dependent transcription and tumor suppression are not affected in Set7/9-deficient mice. *Molecular Cell*, **2011**, 43, 673-80	17.6	55
76	CD34 promotes satellite cell motility and entry into proliferation to facilitate efficient skeletal muscle regeneration. *Stem Cells*, **2011**, 29, 2030-41	5.8	54
75	Sca-1 expression is required for efficient remodeling of the extracellular matrix during skeletal muscle regeneration. *Developmental Biology*, **2009**, 326, 47-59	3.1	53
74	Functionally convergent white adipogenic progenitors of different lineages participate in a diffused system supporting tissue regeneration. *Stem Cells*, **2012**, 30, 1152-62	5.8	52
73	The Neuroinflammatory Response in ALS: The Roles of Microglia and T Cells. *Neurology Research International*, **2012**, 2012, 803701	1.7	52
72	The differential in vitro and in vivo responses of bone marrow stromal cells on novel porous gelatin-alginate scaffolds. *Journal of Tissue Engineering and Regenerative Medicine*, **2009**, 3, 601-14	4.4	51
71	Silencing inhibits Cre-mediated recombination of the Z/AP and Z/EG reporters in adult cells. *PLoS ONE*, **2009**, 4, e5435	3.7	50
70	Interaction blues: protein interactions monitored in live mammalian cells by beta-galactosidase complementation. *Trends in Cell Biology*, **2000**, 10, 119-22	18.3	46
69	The origins and non-canonical functions of macrophages in development and regeneration. *Development (Cambridge)*, **2019**, 146,	6.6	45
68	Distinct Regulatory Programs Control the Latent Regenerative Potential of Dermal Fibroblasts during Wound Healing. *Cell Stem Cell*, **2020**, 27, 396-412.e6	18	40
67	Strategies of conditional gene expression in myocardium: an overview. *Methods in Molecular Medicine*, **2005**, 112, 109-54		36
66	Nonmyogenic cells in skeletal muscle regeneration. *Current Topics in Developmental Biology*, **2011**, 96, 139-65	5.3	35
65	Inhibition of Methyltransferase Setd7 Allows the In Vitro Expansion of Myogenic Stem Cells with Improved Therapeutic Potential. *Cell Stem Cell*, **2018**, 22, 177-190.e7	18	33
64	Cross-talk between TGF-β and PDGFRα signaling pathways regulates the fate of stromal fibro-adipogenic progenitors. *Journal of Cell Science*, **2019**, 132,	5.3	32
63	Bone marrow-derived cells in the central nervous system of a mouse model of amyotrophic lateral sclerosis are associated with blood vessels and express CX(3)CR1. *Glia*, **2009**, 57, 1410-9	9	32

62	Pathogenic Potential of Hic1-Expressing Cardiac Stromal Progenitors. *Cell Stem Cell*, **2020**, 26, 205-220.e8	22.8	30
61	Towards stem cell therapies for skeletal muscle repair. *Npj Regenerative Medicine*, **2020**, 5, 10	15.8	27
60	Something in the eye of the beholder. *Science*, **2002**, 298, 361-2; author reply 362-3	33.3	27
59	Targeting myeloid-derived suppressor cells in combination with primary mammary tumor resection reduces metastatic growth in the lungs. *Breast Cancer Research*, **2019**, 21, 103	8.3	25
58	Isolation, Culture, and Differentiation of Fibro/Adipogenic Progenitors (FAPs) from Skeletal Muscle. *Methods in Molecular Biology*, **2017**, 1668, 93-103	1.4	25
57	Skeletal muscle-resident MSCs and bone formation. *Bone*, **2015**, 80, 19-23	4.7	24
56	Loss of niche-satellite cell interactions in syndecan-3 null mice alters muscle progenitor cell homeostasis improving muscle regeneration. *Skeletal Muscle*, **2016**, 6, 34	5.1	24
55	Role of stem/progenitor cells in reparative disorders. *Fibrogenesis and Tissue Repair*, **2012**, 5, 20		24
54	Mapping the origin and fate of myeloid cells in distinct compartments of the eye by single-cell profiling. *EMBO Journal*, **2021**, 40, e105123	13	24
53	Purification of progenitors from skeletal muscle. *Journal of Visualized Experiments*, **2011**,	1.6	23
52	G9a regulates group 2 innate lymphoid cell development by repressing the group 3 innate lymphoid cell program. *Journal of Experimental Medicine*, **2016**, 213, 1153-62	16.6	22
51	Murine Tissue-Resident PDGFR⊞ Fibro-Adipogenic Progenitors Spontaneously Acquire Osteogenic Phenotype in an Altered Inflammatory Environment. *Journal of Bone and Mineral Research*, **2020**, 35, 1525-1534	6.3	21
50	Adherent muscle connective tissue fibroblasts are phenotypically and biochemically equivalent to stromal fibro/adipogenic progenitors. *Matrix Biology Plus*, **2019**, 2, 100006	5.1	21
49	The lysine methyltransferase Ehmt2/G9a is dispensable for skeletal muscle development and regeneration. *Skeletal Muscle*, **2016**, 6, 22	5.1	20
48	Increased plasma lipid levels exacerbate muscle pathology in the mdx mouse model of Duchenne muscular dystrophy. *Skeletal Muscle*, **2017**, 7, 19	5.1	19
47	Effects of continuous and pulsatile PTH treatments on rat bone marrow stromal cells. *Biochemical and Biophysical Research Communications*, **2009**, 380, 791-6	3.4	19
46	Mesenchymal stem cells for repair of the airway epithelium in asthma. *Expert Review of Respiratory Medicine*, **2010**, 4, 747-58	3.8	18
45	Evolving Roles of Muscle-Resident Fibro-Adipogenic Progenitors in Health, Regeneration, Neuromuscular Disorders, and Aging. *Frontiers in Physiology*, **2021**, 12, 673404	4.6	17

44	Circulating myogenic progenitors and muscle repair. *Seminars in Cell and Developmental Biology*, **2005**, 16, 632-40	7.5	16
43	TGF-β driven downregulation of the transcription factor TCF7L2 affects Wnt/β catenin signaling in PDGFRα fibroblasts. *Journal of Cell Science*, **2020**, 133,	5.3	16
42	Increased nonHDL cholesterol levels cause muscle wasting and ambulatory dysfunction in the mouse model of LGMD2B. *Journal of Lipid Research*, **2018**, 59, 261-272	6.3	15
41	Microtopographical regulation of adult bone marrow progenitor cells chondrogenic and osteogenic gene and protein expressions. *Journal of Biomedical Materials Research - Part A*, **2010**, 95, 294-304	5.4	15
40	Excision of Ets by an inducible site-specific recombinase causes differentiation of Myb-Ets-transformed hematopoietic progenitors. *Current Biology*, **1996**, 6, 866-72	6.3	15
39	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	3.7	14
38	Expression of runtB is modulated during chondrocyte differentiation. *Experimental Cell Research*, **1996**, 223, 215-26	4.2	14
37	Busulfan as a myelosuppressive agent for generating stable high-level bone marrow chimerism in mice. *Journal of Visualized Experiments*, **2015**, e52553	1.6	13
36	Prolonged self-renewal activity unmasks telomerase control of telomere homeostasis and function of mouse hematopoietic stem cells. *Blood*, **2011**, 118, 1766-73	2.2	13
35	CD34 mediates intestinal inflammation in Salmonella-infected mice. *Cellular Microbiology*, **2010**, 12, 1562-75	5.9	12
34	Cardiac fibroblast diversity in health and disease. *Matrix Biology*, **2020**, 91-92, 75-91	11.4	12
33	Fibro/Adipogenic Progenitors (FAPs): Isolation by FACS and Culture. *Methods in Molecular Biology*, **2017**, 1556, 179-189	1.4	11
32	Bone marrow-derived recipient cells in murine transplanted hearts: potential roles and the effect of immunosuppression. *Laboratory Investigation*, **2005**, 85, 982-91	5.9	11
31	Targeted cell fusion facilitates stable heterokaryon generation in vitro and in vivo. *PLoS ONE*, **2011**, 6, e26381	3.7	11
30	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, 148-51	3.4	10
29	In vivo evaluation of calcium polyphosphate for bone regeneration. *Journal of Biomaterials Applications*, **2012**, 27, 267-75	2.9	10
28	Tissue-resident Sca1+ PDGFRα+ mesenchymal progenitors are the cellular source of fibrofatty infiltration in arrhythmogenic cardiomyopathy. *F1000Research*, **2013**, 2, 141	3.6	10
27	Adipocyte death triggers a pro-inflammatory response and induces metabolic activation of resident macrophages. *Cell Death and Disease*, **2021**, 12, 579	9.8	9

26	Submyeloablative conditioning with busulfan permits bone marrow-derived cell accumulation in a murine model of Alzheimer's disease. *Neuroscience Letters*, **2015**, 588, 196-201	3.3	7
25	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	4.9	7
24	Methods for examining stem cells in post-ischemic and transplanted hearts. *Methods in Molecular Medicine*, **2005**, 112, 223-38		7
23	Loss of Vascular CD34 Results in Increased Sensitivity to Lung Injury. *American Journal of Respiratory Cell and Molecular Biology*, **2017**, 57, 651-661	5.7	6
22	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	4.1	6
21	Effect of bone graft substitute on marrow stromal cell proliferation and differentiation. *Journal of Biomedical Materials Research - Part A*, **2010**, 94, 877-85	5.4	6
20	Human skeletal muscle CD90 fibro-adipogenic progenitors are associated with muscle degeneration in type 2 diabetic patients. *Cell Metabolism*, **2021**, 33, 2201-2214.e11	24.6	6
19	Migration of Lung Resident Group 2 Innate Lymphoid Cells Link Allergic Lung Inflammation and Liver Immunity. *Frontiers in Immunology*, **2021**, 12, 679509	8.4	6
18	Microglia's heretical self-renewal. *Nature Neuroscience*, **2018**, 21, 455-456	25.5	5
17	Collision or convergence?: beliefs and politics in neuroscience discovery, ethics, and intervention. *Trends in Neurosciences*, **2014**, 37, 409-12	13.3	5
16	Multipotent stromal cells: One name, multiple identities. *Cell Stem Cell*, **2021**, 28, 1690-1707	18	5
15	Origins, potency, and heterogeneity of skeletal muscle fibro-adipogenic progenitors-time for new definitions. *Skeletal Muscle*, **2021**, 11, 16	5.1	5
14	NUP98-HOXA10hd-expanded hematopoietic stem cells efficiently reconstitute bone marrow of mismatched recipients and induce tolerance. *Cell Transplantation*, **2011**, 20, 1099-108	4	4
13	Human skeletal muscle CD90+ fibro-adipogenic progenitors are associated with muscle degeneration in type 2 diabetic patients		4
12	A blueprint for the next generation of ELSI research, training, and outreach in regenerative medicine. *Npj Regenerative Medicine*, **2017**, 2, 21	15.8	3
11	Systemic hypoxia mimicry enhances axonal regeneration and functional recovery following peripheral nerve injury. *Experimental Neurology*, **2020**, 334, 113436	5.7	3
10	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	6.8	3
9	Effects of granulocyte-colony stimulating factor on bone marrow-derived progenitor cells in murine cardiac transplantation. *Cardiovascular Pathology*, **2010**, 19, 36-47	3.8	2

8	Cholesterol absorption blocker ezetimibe prevents muscle wasting in severe dysferlin-deficient and mdx mice.. *Journal of Cachexia, Sarcopenia and Muscle*, **2021**,	10.3	2
7	Emerging skeletal muscle stromal cell diversity: Functional divergence in fibro/adipogenic progenitor and mural cell populations. *Experimental Cell Research*, **2021**, 410, 112947	4.2	1
6	The Effect of Posterior Lumbar Spinal Surgery on Biomechanical Properties of Rat Paraspinal Muscles 13 Weeks After Surgery. *Spine*, **2021**, 46, E1125-E1135	3.3	0
5	Fibroblast and Myofibroblast Subtypes: Single Cell Sequencing. *Methods in Molecular Biology*, **2021**, 2299, 49-84	1.4	0
4	Larger muscle fibers and fiber bundles manifest smaller elastic modulus in paraspinal muscles of rats and humans. *Scientific Reports*, **2021**, 11, 18565	4.9	0
3	Closing gaps, opening doors: an experimental collaboration in stem cell intervention. *Molecular Biology Reports*, **2020**, 47, 4105-4108	2.8	
2	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	7.3	
1	Bone Marrow□Derived Cells as Treatment Vehicles in the Central Nervous System **2012**, 109-123		