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	From Marrow to Brain: Expression of Neuronal Phenotypes in Adult Mice. Science, 2000, 290, 1775-1779.	12.6	1,480
2	Local self-renewal can sustain CNS microglia maintenance and function throughout adult life. Nature Neuroscience, 2007, 10, 1538-1543.	14.8	1,340
3	Muscle injury activates resident fibro/adipogenic progenitors that facilitate myogenesis. Nature Cell Biology, 2010, 12, 153-163.	10.3	1,299
4	Infiltrating monocytes trigger EAE progression, but do not contribute to the resident microglia pool. Nature Neuroscience, 2011, 14, 1142-1149.	14.8	913
5	Origin, fate and dynamics of macrophages at central nervous system interfaces. Nature Immunology, 2016, 17, 797-805.	14.5	872
6	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
7	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
8	Contribution of hematopoietic stem cells to skeletal muscle. Nature Medicine, 2003, 9, 1528-1532.	30.7	238
9	Depot-Specific Differences in Adipogenic Progenitor Abundance and Proliferative Response to High-Fat Diet. Stem Cells, 2009, 27, 2563-2570.	3.2	231
10	Extensive fusion of haematopoietic cells with Purkinje neurons in response to chronic inflammation. Nature Cell Biology, 2008, 10, 575-583.	10.3	219
11	Recruitment of adult thymic progenitors is regulated by P-selectin and its ligand PSGL-1. Nature Immunology, 2005, 6, 626-634.	14.5	213
12	Different thermostabilities of FLP and Cre recombinases: implications for applied site-specific recombination. Nucleic Acids Research, 1996, 24, 4256-4262.	14.5	165
13	(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
14	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
15	Deconstruction of the SS18-SSX Fusion Oncoprotein Complex: Insights into Disease Etiology and Therapeutics. Cancer Cell, 2012, 21, 333-347.	16.8	135
16	Periodontal regeneration using engineered bone marrow mesenchymal stromal cells. Biomaterials, 2010, 31, 8574-8582.	11.4	132
17	Transcriptional Control. Molecular Cell, 2000, 6, 723-728.	9.7	130
18	Control of the Hippo Pathway by Set7-Dependent Methylation of Yap. Developmental Cell, 2013, 26, 188-194.	7.0	130

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19	Ex vivo expansion of rat bone marrow mesenchymal stromal cells on microcarrier beads in spin culture. Biomaterials, 2007, 28, 3110-3120.	11.4	126
20	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
21	The methyltransferase G9a regulates HoxA9-dependent transcription in AML. Genes and Development, 2014, 28, 317-327.	5.9	121
22	The role of microglia in human disease: therapeutic tool or target?. Acta Neuropathologica, 2014, 128, 363-380.	7.7	120
23	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
24	Thrombomucin, a Novel Cell Surface Protein that Defines Thrombocytes and Multipotent Hematopoietic Progenitors. Journal of Cell Biology, 1997, 138, 1395-1407.	5.2	118
25	Tetracycline-regulatable factors with distinct dimerization domains allow reversible growth inhibition by p16. Nature Genetics, 1998, 20, 389-393.	21.4	117
26	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
27	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
28	Recent advances in inducible gene expression systems. Current Opinion in Biotechnology, 1998, 9, 451-456.	6.6	106
29	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
30	Convergent Genesis of an Adult Neural Crest-Like Dermal Stem Cell from Distinct Developmental Origins. Stem Cells, 2010, 28, 2027-2040.	3.2	100
31	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
32	Tissueâ€resident mesenchymal stem/progenitor cells in skeletal muscle: collaborators or saboteurs?. FEBS Journal, 2013, 280, 4100-4108.	4.7	98
33	The origins and non-canonical functions of macrophages in development and regeneration. Development (Cambridge), 2019, 146, .	2.5	98
34	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
35	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
36	Epidermal growth factor receptor dimerization monitored in live cells. Nature Biotechnology, 2000, 18, 218-222.	17.5	90

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37	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
38	SETD7 Controls Intestinal Regeneration and Tumorigenesis by Regulating Wnt/Î²-Catenin and Hippo/YAP Signaling. Developmental Cell, 2016, 37, 47-57.	7.0	87
39	Methyltransferase G9A regulates T cell differentiation during murine intestinal inflammation. Journal of Clinical Investigation, 2014, 124, 1945-1955.	8.2	81
40	Multipotent stromal cells: One name, multiple identities. Cell Stem Cell, 2021, 28, 1690-1707.	11.1	73
41	Minimal Contribution of Marrow-Derived Endothelial Precursors to Tumor Vasculature. Journal of Immunology, 2005, 175, 2890-2899.	0.8	72
42	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
43	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
44	p53-Dependent Transcription and Tumor Suppression Are Not Affected in Set7/9-Deficient Mice. Molecular Cell, 2011, 43, 673-680.	9.7	66
45	CD34 Promotes Satellite Cell Motility and Entry into Proliferation to Facilitate Efficient Skeletal Muscle Regeneration. Stem Cells, 2011, 29, 2030-2041.	3.2	65
46	Fibro/adipogenic progenitors: A double-edged sword in skeletal muscle regeneration. Cell Cycle, 2010, 9, 2045-2046.	2.6	64
47	The Neuroinflammatory Response in ALS: The Roles of Microglia and T Cells. Neurology Research International, 2012, 2012, 1-8.	1.3	62
48	Silencing Inhibits Cre-Mediated Recombination of the Z/AP and Z/EG Reporters in Adult Cells. PLoS ONE, 2009, 4, e5435.	2.5	61
49	Pathogenic Potential of Hic1-Expressing Cardiac Stromal Progenitors. Cell Stem Cell, 2020, 26, 205-220.e8.	11.1	60
50	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
51	Origins, potency, and heterogeneity of skeletal muscle fibro-adipogenic progenitorsâ€”time for new definitions. Skeletal Muscle, 2021, 11, 16.	4.2	60
52	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
53	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
54	Towards stem cell therapies for skeletal muscle repair. Npj Regenerative Medicine, 2020, 5, 10.	5.2	56

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55	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
56	Evolving Roles of Muscle-Resident Fibro-Adipogenic Progenitors in Health, Regeneration, Neuromuscular Disorders, and Aging. Frontiers in Physiology, 2021, 12, 673404.	2.8	55
57	Interaction blues: protein interactions monitored in live mammalian cells by Î²-galactosidase complementation. Trends in Cell Biology, 2000, 10, 119-122.	7.9	54
58	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
59	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
60	Adipocyte death triggers a pro-inflammatory response and induces metabolic activation of resident macrophages. Cell Death and Disease, 2021, 12, 579.	6.3	47
61	Nonmyogenic Cells in Skeletal Muscle Regeneration. Current Topics in Developmental Biology, 2011, 96, 139-165.	2.2	44
62	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
63	Increased plasma lipid levels exacerbate muscle pathology in the mdx mouse model of Duchenne muscular dystrophy. Skeletal Muscle, 2017, 7, 19.	4.2	42
64	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
65	Isolation, Culture, and Differentiation of Fibro/Adipogenic Progenitors (FAPs) from Skeletal Muscle. Methods in Molecular Biology, 2017, 1668, 93-103.	0.9	39
66	Adherent muscle connective tissue fibroblasts are phenotypically and biochemically equivalent to stromal fibro/adipogenic progenitors. Matrix Biology Plus, 2019, 2, 100006.	3.5	37
67	Strategies of Conditional Gene Expression in Myocardium. Methods in Molecular Medicine, 2005, 112, 109-154.	0.8	37
68	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
69	Something in the Eye of the Beholder. Science, 2002, 298, 361c-363.	12.6	33
70	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
71	Metabolic reprogramming of skeletal muscle by resident macrophages points to CSF1R inhibitors as muscular dystrophy therapeutics. Science Translational Medicine, 2022, 14, .	12.4	29
72	Skeletal muscle-resident MSCs and bone formation. Bone, 2015, 80, 19-23.	2.9	28

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73	Role of stem/progenitor cells in reparative disorders. Fibrogenesis and Tissue Repair, 2012, 5, 20.	3.4	27
74	Cardiac fibroblast diversity in health and disease. Matrix Biology, 2020, 91-92, 75-91.	3.6	27
75	The lysine methyltransferase Ehmt2/G9a is dispensable for skeletal muscle development and regeneration. Skeletal Muscle, 2016, 6, 22.	4.2	26
76	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
77	Purification of Progenitors from Skeletal Muscle. Journal of Visualized Experiments, 2011, , .	0.3	25
78	Fibro/Adipogenic Progenitors (FAPs): Isolation by FACS and Culture. Methods in Molecular Biology, 2017, 1556, 179-189.	0.9	25
79	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
80	Busulfan as a Myelosuppressive Agent for Generating Stable High-level Bone Marrow Chimerism in Mice. Journal of Visualized Experiments, 2015, , e52553.	0.3	22
81	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
82	Mesenchymal stem cells for repair of the airway epithelium in asthma. Expert Review of Respiratory Medicine, 2010, 4, 747-758.	2.5	19
83	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
84	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
85	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
86	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
87	CD34 mediates intestinal inflammation in Salmonella-infected mice. Cellular Microbiology, 2010, 12, 1562-1575.	2.1	17
88	Macrophages in Skeletal Muscle Dystrophies, An Entangled Partner. Journal of Neuromuscular Diseases, 2022, 9, 1-23.	2.6	17
89	Circulating myogenic progenitors and muscle repair. Seminars in Cell and Developmental Biology, 2005, 16, 632-640.	5.0	16
90	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

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91	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
92	Expression ofruntBIs Modulated during Chondrocyte Differentiation. Experimental Cell Research, 1996, 223, 215-226.	2.6	14
93	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
94	Tissue-residentÂSca1+ÂPDGFRÎ±+ mesenchymal progenitors are the cellular source of fibrofatty infiltration in arrhythmogenic cardiomyopathy. F1000Research, 2013, 2, 141.	1.6	13
95	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
96	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
97	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
98	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
99	Targeted Cell Fusion Facilitates Stable Heterokaryon Generation In Vitro and In Vivo. PLoS ONE, 2011, 6, e26381.	2.5	11
100	InÂvivoevaluation of calcium polyphosphate for bone regeneration. Journal of Biomaterials Applications, 2012, 27, 267-275.	2.4	10
101	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
102	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
103	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
104	Microgliaâ€™s heretical self-renewal. Nature Neuroscience, 2018, 21, 455-456.	14.8	9
105	Methods for Examining Stem Cells in Post-Ischemic and Transplanted Hearts. , 2005, 112, 223-238.		7
106	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
107	Systemic hypoxia mimicry enhances axonal regeneration and functional recovery following peripheral nerve injury. Experimental Neurology, 2020, 334, 113436.	4.1	7
108	Fibroblast and Myofibroblast Subtypes: Single Cell Sequencing. Methods in Molecular Biology, 2021, 2299, 49-84.	0.9	7

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109	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
110	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
111	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
112	Collision or convergence?. Trends in Neurosciences, 2014, 37, 409-412.	8.6	6
113	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
114	A blueprint for the next generation of ELSI research, training, and outreach in regenerative medicine. Npj Regenerative Medicine, 2017, 2, 21.	5.2	5
115	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
116	Elevated numbers of infiltrating eosinophils accelerate the progression of Duchenne muscular dystrophy pathology in mdx mice. Development (Cambridge), 2022, 149, .	2.5	4
117	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
118	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
119	Closing gaps, opening doors: an experimental collaboration in stem cell intervention. Molecular Biology Reports, 2020, 47, 4105-4108.	2.3	0
120	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
121	Bone Marrowâ€"Derived Cells as Treatment Vehicles in the Central Nervous System. , 2012, , 109-123.		0