

# Fabio Martelli

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

117 papers	8,544 citations	52 h-index	91 g-index
133 ext. papers	9,591 ext. citations	7.6 avg, IF	5.79 L-index

#	Paper	IF	Citations
117	MicroRNA-210 modulates endothelial cell response to hypoxia and inhibits the receptor tyrosine kinase ligand Ephrin-A3. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 15878-83	5.4	673
116	Circulating microRNAs are new and sensitive biomarkers of myocardial infarction. <i>European Heart Journal</i> , <b>2010</b> , 31, 2765-73	9.5	618
115	MicroRNA-210 as a novel therapy for treatment of ischemic heart disease. <i>Circulation</i> , <b>2010</b> , 122, S124-316.7		355
114	miR-200c is upregulated by oxidative stress and induces endothelial cell apoptosis and senescence via ZEB1 inhibition. <i>Cell Death and Differentiation</i> , <b>2011</b> , 18, 1628-39	12.7	352
113	Deregulation of microRNA-503 contributes to diabetes mellitus-induced impairment of endothelial function and reparative angiogenesis after limb ischemia. <i>Circulation</i> , <b>2011</b> , 123, 282-91	16.7	322
112	An integrated approach for experimental target identification of hypoxia-induced miR-210. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 35134-43	5.4	215
111	HDAC2 blockade by nitric oxide and histone deacetylase inhibitors reveals a common target in Duchenne muscular dystrophy treatment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 19183-7	11.5	212
110	Common micro-RNA signature in skeletal muscle damage and regeneration induced by Duchenne muscular dystrophy and acute ischemia. <i>FASEB Journal</i> , <b>2009</b> , 23, 3335-46	0.9	207
109	The retinoblastoma gene product protects E2F-1 from degradation by the ubiquitin-proteasome pathway. <i>Genes and Development</i> , <b>1996</b> , 10, 2949-59	12.6	192
108	Hypoxia response and microRNAs: no longer two separate worlds. <i>Journal of Cellular and Molecular Medicine</i> , <b>2008</b> , 12, 1426-31	5.6	170
107	MicroRNA dysregulation in diabetic ischemic heart failure patients. <i>Diabetes</i> , <b>2012</b> , 61, 1633-41	0.9	168
106	Microrna-221 and microrna-222 modulate differentiation and maturation of skeletal muscle cells. <i>PLoS ONE</i> , <b>2009</b> , 4, e7607	3.7	165
105	Oxidative stress and epigenetic regulation in ageing and age-related diseases. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 17643-63	6.3	162
104	p19ARF targets certain E2F species for degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 4455-60	11.5	159
103	miR-210: More than a silent player in hypoxia. <i>IUBMB Life</i> , <b>2011</b> , 63, 94-100	4.7	147
102	microRNA: emerging therapeutic targets in acute ischemic diseases. <i>Pharmacology &amp; Therapeutics</i> , <b>2010</b> , 125, 92-104	13.9	147
101	Oxidative stress and microRNAs in vascular diseases. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 17319-46	6.3	140

100	Long noncoding RNA dysregulation in ischemic heart failure. <i>Journal of Translational Medicine</i> , <b>2016</b> , 14, 183	8.5	138
99	Deep-sequencing of endothelial cells exposed to hypoxia reveals the complexity of known and novel microRNAs. <i>Rna</i> , <b>2012</b> , 18, 472-84	5.8	107
98	MicroRNA signatures in peripheral blood mononuclear cells of chronic heart failure patients. <i>Physiological Genomics</i> , <b>2010</b> , 42, 420-6	3.6	106
97	Nitric oxide modulates chromatin folding in human endothelial cells via protein phosphatase 2A activation and class II histone deacetylases nuclear shuttling. <i>Circulation Research</i> , <b>2008</b> , 102, 51-8	15.7	106
96	MiR-216a: a link between endothelial dysfunction and autophagy. <i>Cell Death and Disease</i> , <b>2014</b> , 5, e10299	8.8	104
95	p66ShcA modulates tissue response to hindlimb ischemia. <i>Circulation</i> , <b>2004</b> , 109, 2917-23	16.7	103
94	Active localization of the retinoblastoma protein in chromatin and its response to S phase DNA damage. <i>Molecular Cell</i> , <b>2003</b> , 12, 735-46	17.6	101
93	Hypoxia inhibits myogenic differentiation through accelerated MyoD degradation. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 16332-8	5.4	96
92	Implication of Long noncoding RNAs in the endothelial cell response to hypoxia revealed by RNA-sequencing. <i>Scientific Reports</i> , <b>2016</b> , 6, 24141	4.9	95
91	Oxidative Stress-Induced miR-200c Disrupts the Regulatory Loop Among SIRT1, FOXO1, and eNOS. <i>Antioxidants and Redox Signaling</i> , <b>2017</b> , 27, 328-344	8.4	90
90	Dysregulation and cellular mislocalization of specific miRNAs in myotonic dystrophy type 1. <i>Neuromuscular Disorders</i> , <b>2011</b> , 21, 81-8	2.9	90
89	Oxidative stress induces protein phosphatase 2A-dependent dephosphorylation of the pocket proteins pRb, p107, and p130. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 19509-17	5.4	90
88	p75(NTR)-dependent activation of NF- $\kappa$ B regulates microRNA-503 transcription and pericyte-endothelial crosstalk in diabetes after limb ischaemia. <i>Nature Communications</i> , <b>2015</b> , 6, 8024	17.4	89
87	Cell cycle regulator E2F1 modulates angiogenesis via p53-dependent transcriptional control of VEGF. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 11015-20	11.5	88
86	Noncoding RNA in age-related cardiovascular diseases. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2015</b> , 83, 142-55	5.8	87
85	Tumor-Promoting Effects of Myeloid-Derived Suppressor Cells Are Potentiated by Hypoxia-Induced Expression of miR-210. <i>Cancer Research</i> , <b>2015</b> , 75, 3771-87	10.1	84
84	MyoD induces retinoblastoma gene expression during myogenic differentiation. <i>Oncogene</i> , <b>1994</b> , 9, 3579-90	9.20	81
83	Correction for Colussi et al., HDAC2 blockade by nitric oxide and histone deacetylase inhibitors reveals a common target in Duchenne muscular dystrophy treatment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 1679-1679	11.5	78

82	Hypoxia-inducible factor 1-Induces miR-210 in normoxic differentiating myoblasts. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 44761-71	5.4	71
81	Deregulated microRNAs in myotonic dystrophy type 2. <i>PLoS ONE</i> , <b>2012</b> , 7, e39732	3.7	71
80	Regulation of MyoD gene transcription and protein function by the transforming domains of the adenovirus E1A oncoprotein. <i>Oncogene</i> , <b>1993</b> , 8, 267-78	9.2	70
79	Regulatory RNAs in Heart Failure. <i>Circulation</i> , <b>2020</b> , 141, 313-328	16.7	68
78	Sirtuin function in aging heart and vessels. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2015</b> , 83, 55-61	5.8	67
77	MicroRNA-155 targets the SKI gene in human melanoma cell lines. <i>Pigment Cell and Melanoma Research</i> , <b>2011</b> , 24, 538-50	4.5	66
76	MyoD stimulates RB promoter activity via the CREB/p300 nuclear transduction pathway. <i>Molecular and Cellular Biology</i> , <b>2003</b> , 23, 2893-906	4.8	66
75	p66(ShcA) and oxidative stress modulate myogenic differentiation and skeletal muscle regeneration after hind limb ischemia. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 31453-9	5.4	62
74	Knockdown of cyclin-dependent kinase inhibitors induces cardiomyocyte re-entry in the cell cycle. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 8644-8654	5.4	60
73	A nitric oxide-dependent cross-talk between class I and III histone deacetylases accelerates skin repair. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 11004-12	5.4	58
72	The histone acetylase activator pentadecyldenemalonate 1b rescues proliferation and differentiation in the human cardiac mesenchymal cells of type 2 diabetic patients. <i>Diabetes</i> , <b>2014</b> , 63, 2132-47	0.9	57
71	Nitric oxide, oxidative stress, and p66Shc interplay in diabetic endothelial dysfunction. <i>BioMed Research International</i> , <b>2014</b> , 2014, 193095	3	57
70	microRNAs as peripheral blood biomarkers of cardiovascular disease. <i>Vascular Pharmacology</i> , <b>2011</b> , 55, 111-8	5.9	57
69	HypoxamiR regulation and function in ischemic cardiovascular diseases. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 21, 1202-19	8.4	55
68	p66ShcA modulates oxidative stress and survival of endothelial progenitor cells in response to high glucose. <i>Cardiovascular Research</i> , <b>2009</b> , 82, 421-9	9.9	54
67	Protein phosphatase 2A subunit PR70 interacts with pRb and mediates its dephosphorylation. <i>Molecular and Cellular Biology</i> , <b>2008</b> , 28, 873-82	4.8	52
66	Circular RNAs in Muscle Function and Disease. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	52
65	Increased BACE1-AS long noncoding RNA and $\beta$ amyloid levels in heart failure. <i>Cardiovascular Research</i> , <b>2017</b> , 113, 453-463	9.9	51

64	Plasma microRNAs as biomarkers for myotonic dystrophy type 1. <i>Neuromuscular Disorders</i> , <b>2014</b> , 24, 509-15	2.9	50
63	Enhanced arteriogenesis and wound repair in dystrophin-deficient mdx mice. <i>Circulation</i> , <b>2004</b> , 110, 3341-87	1.87	46
62	Circular RNAs: Methodological challenges and perspectives in cardiovascular diseases. <i>Journal of Cellular and Molecular Medicine</i> , <b>2018</b> , 22, 5176-5187	5.6	45
61	CRISPR/Cas9-Mediated Deletion of CTG Expansions Recovers Normal Phenotype in Myogenic Cells Derived from Myotonic Dystrophy 1 Patients. <i>Molecular Therapy - Nucleic Acids</i> , <b>2017</b> , 9, 337-348	10.7	44
60	The Dark That Matters: Long Non-coding RNAs as Master Regulators of Cellular Metabolism in Non-communicable Diseases. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 369	4.6	42
59	Hypoxia-induced miR-210 modulates tissue response to acute peripheral ischemia. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 21, 1177-88	8.4	42
58	Central role of the p53 pathway in the noncoding-RNA response to oxidative stress. <i>Aging</i> , <b>2017</b> , 9, 2559-2586	5.86	39
57	Long Noncoding RNAs and Cardiac Disease. <i>Antioxidants and Redox Signaling</i> , <b>2018</b> , 29, 880-901	8.4	38
56	Cyclin D1 degradation enhances endothelial cell survival upon oxidative stress. <i>FASEB Journal</i> , <b>2006</b> , 20, 1242-4	0.9	38
55	MicroRNA-222 regulates muscle alternative splicing through Rbm24 during differentiation of skeletal muscle cells. <i>Cell Death and Disease</i> , <b>2016</b> , 7, e2086	9.8	36
54	Covid-19-Associated Coagulopathy: Biomarkers of Thrombin Generation and Fibrinolysis Leading the Outcome. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	36
53	Validation of plasma microRNAs as biomarkers for myotonic dystrophy type 1. <i>Scientific Reports</i> , <b>2016</b> , 6, 38174	4.9	36
52	Age-dependent increase of oxidative stress regulates microRNA-29 family preserving cardiac health. <i>Scientific Reports</i> , <b>2017</b> , 7, 16839	4.9	34
51	Transcription factor NF-Y induces apoptosis in cells expressing wild-type p53 through E2F1 upregulation and p53 activation. <i>Cancer Research</i> , <b>2010</b> , 70, 9711-20	10.1	34
50	Epigenetic mechanisms of hyperglycemic memory. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2014</b> , 51, 155-8	5.6	33
49	ROD1 is a seedless target gene of hypoxia-induced miR-210. <i>PLoS ONE</i> , <b>2012</b> , 7, e44651	3.7	33
48	Regulation of endogenous E2F1 stability by the retinoblastoma family proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 2858-63	11.5	32
47	Impaired T- and B-cell development in Tcl1-deficient mice. <i>Blood</i> , <b>2005</b> , 105, 1288-94	2.2	31

46	Long Noncoding Competing Endogenous RNA Networks in Age-Associated Cardiovascular Diseases. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	30
45	Regulation of the endothelial cell cycle by the ubiquitin-proteasome system. <i>Cardiovascular Research</i> , <b>2010</b> , 85, 272-80	9.9	30
44	Enhancement of lysine acetylation accelerates wound repair. <i>Communicative and Integrative Biology</i> , <b>2013</b> , 6, e25466	1.7	29
43	Platelet-derived growth factor-receptor alpha strongly inhibits melanoma growth in vitro and in vivo. <i>Neoplasia</i> , <b>2009</b> , 11, 732-42	6.4	29
42	The epigenetic implication in coronavirus infection and therapy. <i>Clinical Epigenetics</i> , <b>2020</b> , 12, 156	7.7	29
41	Overexpression of miR-210 and its significance in ischemic tissue damage. <i>Scientific Reports</i> , <b>2017</b> , 7, 9563	4.9	28
40	The expression of the BPIFB4 and CXCR4 associates with sustained health in long-living individuals from Cilento-Italy. <i>Aging</i> , <b>2017</b> , 9, 370-380	5.6	23
39	Magnetic Resonance Imaging Allows the Evaluation of Tissue Damage and Regeneration in a Mouse Model of Critical Limb Ischemia. <i>PLoS ONE</i> , <b>2015</b> , 10, e0142111	3.7	23
38	Noncoding RNAs in the Vascular System Response to Oxidative Stress. <i>Antioxidants and Redox Signaling</i> , <b>2019</b> , 30, 992-1010	8.4	23
37	Stable Oxidative Cytosine Modifications Accumulate in Cardiac Mesenchymal Cells From Type2 Diabetes Patients: Rescue by $\alpha$ -Ketoglutarate and TET-TDG Functional Reactivation. <i>Circulation Research</i> , <b>2018</b> , 122, 31-46	15.7	23
36	Transcriptional profiling of HMGB1-induced myocardial repair identifies a key role for Notch signaling. <i>Molecular Therapy</i> , <b>2013</b> , 21, 1841-51	11.7	21
35	Exosomes: From Potential Culprits to New Therapeutic Promise in the Setting of Cardiac Fibrosis. <i>Cells</i> , <b>2020</b> , 9,	7.9	20
34	Genome wide identification of aberrant alternative splicing events in myotonic dystrophy type 2. <i>PLoS ONE</i> , <b>2014</b> , 9, e93983	3.7	19
33	Dysregulation of Circular RNAs in Myotonic Dystrophy Type 1. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	18
32	miR-210 Enhances the Therapeutic Potential of Bone-Marrow-Derived Circulating Proangiogenic Cells in the Setting of Limb Ischemia. <i>Molecular Therapy</i> , <b>2018</b> , 26, 1694-1705	11.7	18
31	Evidence for Biological Age Acceleration and Telomere Shortening in COVID-19 Survivors. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	17
30	p21(Waf1/Cip1/Sdi1) mediates shear stress-dependent antiapoptotic function. <i>Cardiovascular Research</i> , <b>2004</b> , 61, 693-704	9.9	16
29	Noncoding RNAs: emerging players in muscular dystrophies. <i>BioMed Research International</i> , <b>2014</b> , 2014, 503634	3	14

28	Epigenetic Signaling and RNA Regulation in Cardiovascular Diseases. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	12
27	Molecular mechanisms of cardiomyocyte regeneration and therapeutic outlook. <i>Trends in Molecular Medicine</i> , <b>2007</b> , 13, 125-33	11.5	12
26	Hypoxia-Induced miR-210 Is Necessary for Vascular Regeneration upon Acute Limb Ischemia. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 21,	6.3	12
25	High-throughput analysis of the RNA-induced silencing complex in myotonic dystrophy type 1 patients identifies the dysregulation of miR-29c and its target ASB2. <i>Cell Death and Disease</i> , <b>2018</b> , 9, 729	9.8	11
24	Noncoding RNAs implication in cardiovascular diseases in the COVID-19 era. <i>Journal of Translational Medicine</i> , <b>2020</b> , 18, 408	8.5	11
23	Zeb1-Hdac2-eNOS circuitry identifies early cardiovascular precursors in naive mouse embryonic stem cells. <i>Nature Communications</i> , <b>2018</b> , 9, 1281	17.4	10
22	P300/CBP-associated factor regulates transcription and function of isocitrate dehydrogenase 2 during muscle differentiation. <i>FASEB Journal</i> , <b>2019</b> , 33, 4107-4123	0.9	10
21	Call to action for the cardiovascular side of COVID-19. <i>European Heart Journal</i> , <b>2020</b> , 41, 1796-1797	9.5	9
20	The double life of cardiac mesenchymal cells: Epimetabolic sensors and therapeutic assets for heart regeneration. <i>Pharmacology &amp; Therapeutics</i> , <b>2017</b> , 171, 43-55	13.9	9
19	Characterization of two novel YY1 binding sites in the polyomavirus late promoter. <i>Journal of Virology</i> , <b>1996</b> , 70, 1433-8	6.6	9
18	microRNAs in ischaemic cardiovascular diseases. <i>European Heart Journal Supplements</i> , <b>2016</b> , 18, E31-E36	1.5	8
17	Catalyzing Transcriptomics Research in Cardiovascular Disease: The CardioRNA COST Action CA17129. <i>Non-coding RNA</i> , <b>2019</b> , 5,	7.1	7
16	Papilloma protein E6 abrogates shear stress-dependent survival in human endothelial cells: evidence for specialized functions of paxillin. <i>Cardiovascular Research</i> , <b>2006</b> , 70, 578-88	9.9	7
15	Macrophage miR-210 induction and metabolic reprogramming in response to pathogen interaction boost life-threatening inflammation. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	7
14	Proliferation of Multiple Cell Types in the Skeletal Muscle Tissue Elicited by Acute p21 Suppression. <i>Molecular Therapy</i> , <b>2015</b> , 23, 885-895	11.7	5
13	EVIDENCE FOR BIOLOGICAL AGE ACCELERATION AND TELOMERE SHORTENING IN COVID19 SURVIVORS		5
12	Cardiovascular RNA markers and artificial intelligence may improve COVID-19 outcome: a position paper from the EU-CardioRNA COST Action CA17129. <i>Cardiovascular Research</i> , <b>2021</b> , 117, 1823-1840	9.9	5
11	Dysregulation of microRNA expression in diabetic skin. <i>Journal of Dermatological Science</i> , <b>2020</b> , 98, 186-194	1.4	4



10	Approaching Sex Differences in Cardiovascular Non-Coding RNA Research. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
9	Treating Senescence like Cancer: Novel Perspectives in Senotherapy of Chronic Diseases. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
8	Dissecting the transcriptome in cardiovascular disease. <i>Cardiovascular Research</i> , <b>2021</b> ,	9.9	3
7	Emerging Roles of Non-Coding RNAs in the Hypoxic Response. <i>Cancer Drug Discovery and Development</i> , <b>2014</b> , 43-64	0.3	2
6	Peripheral blood RNA biomarkers for cardiovascular disease from bench to bedside: A Position Paper from the EU-CardioRNA COST Action CA17129. <i>Cardiovascular Research</i> , <b>2021</b> ,	9.9	2
5	Mitochondrial-cell cycle cross-talk drives endoreplication in heart disease. <i>Science Translational Medicine</i> , <b>2021</b> , 13, eabi7964	17.5	2
4	Time-controlled and muscle-specific CRISPR/Cas9-mediated deletion of CTG-repeat expansion in the gene.. <i>Molecular Therapy - Nucleic Acids</i> , <b>2022</b> , 27, 184-199	10.7	1
3	Hypoxia-induced miR-210 modulates the inflammatory response and fibrosis upon acute ischemia. <i>Cell Death and Disease</i> , <b>2021</b> , 12, 435	9.8	1
2	MicroRNAs and Tissue Response to Acute Ischemia. <i>Contributions To Statistics</i> , <b>2013</b> , 97-112	0.1	
1	Regulatory RNAs in cardiovascular disease <b>2021</b> , 127-162		