Fabio Martelli

List of Publications by Year
in descending order

125	10,381	29994 54	34900 98
papers	citations	h-index	g-index
133	133	133	14853
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	MicroRNA-210 Modulates Endothelial Cell Response to Hypoxia and Inhibits the Receptor Tyrosine Kinase Ligand Ephrin-A3. Journal of Biological Chemistry, 2008, 283, 15878-15883.	1.6	786
2	Circulating microRNAs are new and sensitive biomarkers of myocardial infarction. European Heart Journal, 2010, 31, 2765-2773.	1.0	709
3	MicroRNA-210 as a Novel Therapy for Treatment of Ischemic Heart Disease. Circulation, 2010, 122, S124-31.	1.6	407
4	miR-200c is upregulated by oxidative stress and induces endothelial cell apoptosis and senescence via ZEB1 inhibition. Cell Death and Differentiation, 2011, 18, 1628-1639.	5.0	399
5	Deregulation of microRNA-503 Contributes to Diabetes Mellitusâ€"Induced Impairment of Endothelial Function and Reparative Angiogenesis After Limb Ischemia. Circulation, 2011, 123, 282-291.	1.6	374
6	An Integrated Approach for Experimental Target Identification of Hypoxia-induced miR-210. Journal of Biological Chemistry, 2009, 284, 35134-35143.	1.6	248
7	Common microâ€RNA signature in skeletal muscle damage and regeneration induced by Duchenne muscular dystrophy and acute ischemia. FASEB Journal, 2009, 23, 3335-3346.	0.2	235
8	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.	3.3	234
9	The retinoblastoma gene product protects E2F-1 from degradation by the ubiquitin-proteasome pathway.. Genes and Development, 1996, 10, 2949-2959.	2.7	209
10	MicroRNA Dysregulation in Diabetic Ischemic Heart Failure Patients. Diabetes, 2012, 61, 1633-1641.	0.3	206
11	Microrna-221 and Microrna-222 Modulate Differentiation and Maturation of Skeletal Muscle Cells. PLoS ONE, 2009, 4, e7607.	1.1	200
12	miRâ€210: More than a silent player in hypoxia. IUBMB Life, 2011, 63, 94-100.	1.5	196
13	Oxidative Stress and Epigenetic Regulation in Ageing and Age-Related Diseases. International Journal of Molecular Sciences, 2013, 14, 17643-17663.	1.8	183
14	Hypoxia response and microRNAs: no longer two separate worlds. Journal of Cellular and Molecular Medicine, 2008, 12, 1426-1431.	1.6	182
15	Long noncoding RNA dysregulation in ischemic heart failure. Journal of Translational Medicine, 2016, 14, 183.	1.8	176
16	p19ARF targets certain E2F species for degradation. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 4455-4460.	3.3	167
17	microRNA: Emerging therapeutic targets in acute ischemic diseases. , 2010, 125, 92-104.		166
18	Oxidative Stress and MicroRNAs in Vascular Diseases. International Journal of Molecular Sciences, 2013, 14, 17319-17346.	1.8	161

#	Article	IF	Citations
19	Regulatory RNAs in Heart Failure. Circulation, 2020, 141, 313-328.	1.6	133
20	Hypoxia Inhibits Myogenic Differentiation through Accelerated MyoD Degradation. Journal of Biological Chemistry, 2004, 279, 16332-16338.	1.6	130
21	Implication of Long noncoding RNAs in the endothelial cell response to hypoxia revealed by RNA-sequencing. Scientific Reports, 2016, 6, 24141.	1.6	124
22	MicroRNA signatures in peripheral blood mononuclear cells of chronic heart failure patients. Physiological Genomics, 2010, 42, 420-426.	1.0	123
23	MiR-216a: a link between endothelial dysfunction and autophagy. Cell Death and Disease, 2014, 5, e1029-e1029.	2.7	122
24	Deep-sequencing of endothelial cells exposed to hypoxia reveals the complexity of known and novel microRNAs. Rna, 2012, 18, 472-484.	1.6	121
25	p75NTR-dependent activation of NF-Î°B regulates microRNA-503 transcription and pericyteâ€"endothelial crosstalk in diabetes after limb ischaemia. Nature Communications, 2015, 6, 8024.	5.8	119
26	Nitric Oxide Modulates Chromatin Folding in Human Endothelial Cells via Protein Phosphatase 2A Activation and Class II Histone Deacetylases Nuclear Shuttling. Circulation Research, 2008, 102, 51-58.	2.0	114
27	Tumor-Promoting Effects of Myeloid-Derived Suppressor Cells Are Potentiated by Hypoxia-Induced Expression of miR-210. Cancer Research, 2015, 75, 3771-3787.	0.4	112
28	p66 ShcA Modulates Tissue Response to Hindlimb Ischemia. Circulation, 2004, 109, 2917-2923.	1.6	111
29	Active Localization of the Retinoblastoma Protein in Chromatin and Its Response to S Phase DNA Damage. Molecular Cell, 2003, 12, 735-746.	4.5	110
30	Oxidative Stress-Induced miR-200c Disrupts the Regulatory Loop Among SIRT1, FOXO1, and eNOS. Antioxidants and Redox Signaling, 2017, 27, 328-344.	2.5	110
31	Dysregulation and cellular mislocalization of specific miRNAs in myotonic dystrophy type 1. Neuromuscular Disorders, 2011, 21, 81-88.	0.3	109
32	Oxidative Stress Induces Protein Phosphatase 2A-dependent Dephosphorylation of the Pocket Proteins pRb, p107, and p130. Journal of Biological Chemistry, 2003, 278, 19509-19517.	1.6	105
33	Noncoding RNA in age-related cardiovascular diseases. Journal of Molecular and Cellular Cardiology, 2015, 83, 142-155.	0.9	99
34	Cell cycle regulator E2F1 modulates angiogenesis via p53-dependent transcriptional control of VEGF. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11015-11020.	3.3	98
35	MyoD induces retinoblastoma gene expression during myogenic differentiation. Oncogene, 1994, 9, 3579-90.	2.6	94
36	Hypoxia-inducible Factor 1-Î± Induces miR-210 in Normoxic Differentiating Myoblasts. Journal of Biological Chemistry, 2012, 287, 44761-44771.	1.6	85

#	Article	IF	Citations
37	Nitric Oxide, Oxidative Stress, and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:msup><mml:mrow><mml:mtext>p</mml:mtext><mml:mtext>66</mml:mtext></mml:mrow><mml:mrow in Diabetic Endothelial Dysfunction. BioMed Research International, 2014, 2014, 1-16.	0.9	84
38	Sirtuin function in aging heart and vessels. Journal of Molecular and Cellular Cardiology, 2015, 83, 55-61.	0.9	83
39	Deregulated MicroRNAs in Myotonic Dystrophy Type 2. PLoS ONE, 2012, 7, e39732.	1.1	81
40	Knockdown of Cyclin-dependent Kinase Inhibitors Induces Cardiomyocyte Re-entry in the Cell Cycle. Journal of Biological Chemistry, 2011, 286, 8644-8654.	1.6	79
41	HypoxamiR Regulation and Function in Ischemic Cardiovascular Diseases. Antioxidants and Redox Signaling, 2014, 21, 1202-1219.	2.5	79
42	Regulation of MyoD gene transcription and protein function by the transforming domains of the adenovirus E1A oncoprotein. Oncogene, 1993, 8, 267-78.	2.6	79
43	Circular RNAs in Muscle Function and Disease. International Journal of Molecular Sciences, 2018, 19, 3454.	1.8	76
44	A Nitric Oxide-dependent Cross-talk between Class I and III Histone Deacetylases Accelerates Skin Repair. Journal of Biological Chemistry, 2013, 288, 11004-11012.	1.6	74
45	MyoD Stimulates RB Promoter Activity via the CREB/p300 Nuclear Transduction Pathway. Molecular and Cellular Biology, 2003, 23, 2893-2906.	1.1	73
46	The epigenetic implication in coronavirus infection and therapy. Clinical Epigenetics, 2020, 12, 156.	1.8	73
47	MicroRNAâ€155 targets the <i>SKI</i> gene in human melanoma cell lines. Pigment Cell and Melanoma Research, 2011, 24, 538-550.	1.5	72
48	Increased BACE1-AS long noncoding RNA and Î²-amyloid levels in heart failure. Cardiovascular Research, 2017, 113, 453-463.	1.8	72
49	p66ShcA and Oxidative Stress Modulate Myogenic Differentiation and Skeletal Muscle Regeneration after Hind Limb Ischemia. Journal of Biological Chemistry, 2007, 282, 31453-31459.	1.6	69
50	The Histone Acetylase Activator Pentadecylidenemalonate 1b Rescues Proliferation and Differentiation in the Human Cardiac Mesenchymal Cells of Type 2 Diabetic Patients. Diabetes, 2014, 63, 2132-2147.	0.3	66
51	microRNAs as peripheral blood biomarkers of cardiovascular disease. Vascular Pharmacology, 2011, 55, 111-118.	1.0	65
52	Long Noncoding RNAs and Cardiac Disease. Antioxidants and Redox Signaling, 2018, 29, 880-901.	2.5	64
53	Plasma microRNAs as biomarkers for myotonic dystrophy type 1. Neuromuscular Disorders, 2014, 24, 509-515.	0.3	63
54	Covid-19-Associated Coagulopathy: Biomarkers of Thrombin Generation and Fibrinolysis Leading the Outcome. Journal of Clinical Medicine, 2020, 9, 3487.	1.0	63

#	Article	IF	Citations
55	Evidence for Biological Age Acceleration and Telomere Shortening in COVID-19 Survivors. International Journal of Molecular Sciences, 2021, 22, 6151.	1.8	62
56	p66ShcA modulates oxidative stress and survival of endothelial progenitor cells in response to high glucose. Cardiovascular Research, 2009, 82, 421-429.	1.8	61
57	Age-dependent increase of oxidative stress regulates microRNA-29 family preserving cardiac health. Scientific Reports, 2017, 7, 16839.	1.6	57
58	CRISPR/Cas9-Mediated Deletion of CTG Expansions Recovers Normal Phenotype in Myogenic Cells Derived from Myotonic Dystrophy 1 Patients. Molecular Therapy - Nucleic Acids, 2017, 9, 337-348.	2.3	57
59	The Dark That Matters: Long Non-coding RNAs as Master Regulators of Cellular Metabolism in Non-communicable Diseases. Frontiers in Physiology, 2019, 10, 369.	1.3	56
60	Protein Phosphatase 2A Subunit PR70 Interacts with pRb and Mediates Its Dephosphorylation. Molecular and Cellular Biology, 2008, 28, 873-882.	1.1	55
61	Circular <scp>RNA</scp>s: Methodological challenges and perspectives in cardiovascular diseases. Journal of Cellular and Molecular Medicine, 2018, 22, 5176-5187.	1.6	54
62	Central role of the p53 pathway in the noncoding-RNA response to oxidative stress. Aging, 2017, 9, 2559-2586.	1.4	54
63	Enhanced Arteriogenesis and Wound Repair in Dystrophin-Deficient mdx Mice. Circulation, 2004, 110, 3341-3348.	1.6	53
64	Validation of plasma microRNAs as biomarkers for myotonic dystrophy type 1. Scientific Reports, 2016, 6, 38174.	1.6	49
65	Hypoxia-Induced miR-210 Modulates Tissue Response to Acute Peripheral Ischemia. Antioxidants and Redox Signaling, 2014, 21, 1177-1188.	2.5	47
66	MicroRNA-222 regulates muscle alternative splicing through Rbm24 during differentiation of skeletal muscle cells. Cell Death and Disease, 2016, 7, e2086-e2086.	2.7	43
67	Long Noncoding Competing Endogenous RNA Networks in Age-Associated Cardiovascular Diseases. International Journal of Molecular Sciences, 2019, 20, 3079.	1.8	43
68	Cyclin D1 degradation enhances endothelial cell survival upon oxidative stress. FASEB Journal, 2006, 20, 1242-1244.	0.2	42
69	Regulation of the endothelial cell cycle by the ubiquitin-proteasome system. Cardiovascular Research, 2010, 85, 272-280.	1.8	40
70	Epigenetic mechanisms of hyperglycemic memory. International Journal of Biochemistry and Cell Biology, 2014, 51, 155-158.	1.2	39
71	Overexpression of miR-210 and its significance in ischemic tissue damage. Scientific Reports, 2017, 7, 9563.	1.6	38
72	Enhancement of lysine acetylation accelerates wound repair. Communicative and Integrative Biology, 2013, 6, e25466.	0.6	37

#	Article	IF	Citations
73	Dysregulation of Circular RNAs in Myotonic Dystrophy Type 1. International Journal of Molecular Sciences, 2019, 20, 1938.	1.8	37
74	Transcription Factor NF-Y Induces Apoptosis in Cells Expressing Wild-Type p53 through E2F1 Upregulation and p53 Activation. Cancer Research, 2010, 70, 9711-9720.	0.4	36
75	ROD1 Is a Seedless Target Gene of Hypoxia-Induced miR-210. PLoS ONE, 2012, 7, e44651.	1.1	35
76	Exosomes: From Potential Culprits to New Therapeutic Promise in the Setting of Cardiac Fibrosis. Cells, 2020, 9, 592.	1.8	35
77	Regulation of endogenous E2F1 stability by the retinoblastoma family proteins. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 2858-2863.	3.3	34
78	Impaired T- and B-cell development in Tcl1-deficient mice. Blood, 2005, 105, 1288-1294.	0.6	33
79	Stable Oxidative Cytosine Modifications Accumulate in Cardiac Mesenchymal Cells From Type2 Diabetes Patients. Circulation Research, 2018, 122, 31-46.	2.0	33
80	miR-210 Enhances the Therapeutic Potential of Bone-Marrow-Derived Circulating Proangiogenic Cells in the Setting of Limb Ischemia. Molecular Therapy, 2018, 26, 1694-1705.	3.7	33
81	Platelet-Derived Growth Factor-Receptor Î± Strongly Inhibits Melanoma Growth In Vitro and In Vivo. Neoplasia, 2009, 11, 732-W7.	2.3	32
82	MicroRNAs in Hypoxia Response. Antioxidants and Redox Signaling, 2014, 21, 1164-1166.	2.5	31
83	Magnetic Resonance Imaging Allows the Evaluation of Tissue Damage and Regeneration in a Mouse Model of Critical Limb Ischemia. PLoS ONE, 2015, 10, e0142111.	1.1	29
84	The expression of the BPIFB4 and CXCR4 associates with sustained health in long-living individuals from Cilento-Italy. Aging, 2017, 9, 370-380.	1.4	28
85	Genome Wide Identification of Aberrant Alternative Splicing Events in Myotonic Dystrophy Type 2. PLoS ONE, 2014, 9, e93983.	1.1	27
86	Noncoding RNAs in the Vascular System Response to Oxidative Stress. Antioxidants and Redox Signaling, 2019, 30, 992-1010.	2.5	26
87	Macrophage miR-210 induction and metabolic reprogramming in response to pathogen interaction boost life-threatening inflammation. Science Advances, 2021, 7, .	4.7	26
88	Reduction of Cardiac Fibrosis by Interference With YAP-Dependent Transactivation. Circulation Research, 2022, 131, 239-257.	2.0	26
89	p21Waf1/Cip1/Sdi1 mediates shear stress-dependent antiapoptotic function. Cardiovascular Research, 2004, 61, 693-704.	1.8	22
90	Transcriptional Profiling of Hmgb1-Induced Myocardial Repair Identifies a Key Role for Notch Signaling. Molecular Therapy, 2013, 21, 1841-1851.	3.7	22

#	Article	IF	Citations
91	Epigenetic Signaling and RNA Regulation in Cardiovascular Diseases. International Journal of Molecular Sciences, 2020, 21, 509.	1.8	21
92	Hypoxia-Induced miR-210 Is Necessary for Vascular Regeneration upon Acute Limb Ischemia. International Journal of Molecular Sciences, 2020, 21, 129.	1.8	19
93	Peripheral blood RNA biomarkers for cardiovascular disease from bench to bedside: a position paper from the EU-CardioRNA COST action CA17129. Cardiovascular Research, 2022, 118, 3183-3197.	1.8	18
94	Molecular mechanisms of cardiomyocyte regeneration and therapeutic outlook. Trends in Molecular Medicine, 2007, 13, 125-133.	3.5	17
95	Noncoding RNAs: Emerging Players in Muscular Dystrophies. BioMed Research International, 2014, 2014, 1-12.	0.9	17
96	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. Cell Death and Disease, 2018, 9, 729.	2.7	17
97	Cardiovascular RNA markers and artificial intelligence may improve COVID-19 outcome: a position paper from the EU-CardioRNA COST Action CA17129. Cardiovascular Research, 2021, 117, 1823-1840.	1.8	17
98	Noncoding RNAs implication in cardiovascular diseases in the COVID-19 era. Journal of Translational Medicine, 2020, 18, 408.	1.8	16
99	Dissecting the transcriptome in cardiovascular disease. Cardiovascular Research, 2022, 118, 1004-1019.	1.8	16
100	Zeb1-Hdac2-eNOS circuitry identifies early cardiovascular precursors in naive mouse embryonic stem cells. Nature Communications, 2018, 9, 1281.	5.8	14
101	Catalyzing Transcriptomics Research in Cardiovascular Disease: The CardioRNA COST Action CA17129. Non-coding RNA, 2019, 5, 31.	1.3	14
102	Molecular Therapies for Myotonic Dystrophy Type 1: From Small Drugs to Gene Editing. International Journal of Molecular Sciences, 2022, 23, 4622.	1.8	13
103	The double life of cardiac mesenchymal cells: Epimetabolic sensors and therapeutic assets for heart regeneration. , 2017, 171, 43-55.		12
104	Approaching Sex Differences in Cardiovascular Non-Coding RNA Research. International Journal of Molecular Sciences, 2020, 21, 4890.	1.8	12
105	Call to action for the cardiovascular side of COVID-19. European Heart Journal, 2020, 41, 1796-1797.	1.0	12
106	Leveraging non-coding RNAs to fight cardiovascular disease: the EU-CardioRNA network. European Heart Journal, 2021, 42, 4881-4883.	1.0	12
107	miR-210 hypoxamiR in Angiogenesis and Diabetes. Antioxidants and Redox Signaling, 2022, 36, 685-706.	2.5	12
108	Mitochondrialâ€"cell cycle cross-talk drives endoreplication in heart disease. Science Translational Medicine, 2021, 13, eabi7964.	5.8	12

#	Article	IF	Citations
109	P300/CBPâ€associated factor regulates transcription and function of isocitrate dehydrogenase 2 during muscle differentiation. FASEB Journal, 2019, 33, 4107-4123.	0.2	11
110	Characterization of two novel YY1 binding sites in the polyomavirus late promoter. Journal of Virology, 1996, 70, 1433-1438.	1.5	10
111	Papilloma protein E6 abrogates shear stress-dependent survival in human endothelial cells: Evidence for specialized functions of paxillin. Cardiovascular Research, 2006, 70, 578-588.	1.8	9
112	microRNAs in ischaemic cardiovascular diseases. European Heart Journal Supplements, 2016, 18, E31-E36.	0.0	9
113	Hypoxia-induced miR-210 modulates the inflammatory response and fibrosis upon acute ischemia. Cell Death and Disease, 2021, 12, 435.	2.7	8
114	Treating Senescence like Cancer: Novel Perspectives in Senotherapy of Chronic Diseases. International Journal of Molecular Sciences, 2020, 21, 7984.	1.8	7
115	Proliferation of Multiple Cell Types in the Skeletal Muscle Tissue Elicited by Acute p21 Suppression. Molecular Therapy, 2015, 23, 885-895.	3.7	6
116	RNAs in Brain and Heart Diseases. International Journal of Molecular Sciences, 2020, 21, 3717.	1.8	5
117	Dysregulation of microRNA expression in diabetic skin. Journal of Dermatological Science, 2020, 98, 186-194.	1.0	5
118	A Breath of Fresh Air(n) in Molecular Cardiology. Circulation Research, 2018, 122, 1321-1323.	2.0	4
119	Time-controlled and muscle-specific CRISPR/Cas9-mediated deletion of CTG-repeat expansion in the DMPK gene. Molecular Therapy - Nucleic Acids, 2022, 27, 184-199.	2.3	4
120	Emerging Roles of Non-Coding RNAs in the Hypoxic Response. Cancer Drug Discovery and Development, 2014, , 43-64.	0.2	3
121	Regulatory miRNAs in Cardiovascular and Alzheimerâ€™s Disease: A Focus on Copper. International Journal of Molecular Sciences, 2022, 23, 3327.	1.8	3
122	Correction for Colussi et al., 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, 2009, 106, 1679-1679.	3.3	2
123	Removing the brakes to cardiomyocyte cell cycle. Cell Cycle, 2011, 10, 1176-1177.	1.3	2
124	Regulatory RNAs in cardiovascular disease. , 2021, , 127-162.		0
125	MicroRNAs and Tissue Response to Acute Ischemia. Contributions To Statistics, 2013, , 97-112.	0.2	0