

# Joseph Loscalzo

## List of Publications by Citations

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247  
papers

19,844  
citations

68  
h-index

139  
g-index

263  
ext. papers

24,236  
ext. citations

16.5  
avg, IF

7.38  
L-index

#	Paper	IF	Citations
247	Network medicine: a network-based approach to human disease. <i>Nature Reviews Genetics</i> , <b>2011</b> , 12, 56-68	56.1	2899
246	A redox-based mechanism for the neuroprotective and neurodestructive effects of nitric oxide and related nitroso-compounds. <i>Nature</i> , <b>1993</b> , 364, 626-32	50.4	2254
245	Disease networks. Uncovering disease-disease relationships through the incomplete interactome. <i>Science</i> , <b>2015</b> , 347, 1257-601	33.3	767
244	Vascular calcification: pathobiological mechanisms and clinical implications. <i>Circulation Research</i> , <b>2006</b> , 99, 1044-59	15.7	720
243	Glutathione peroxidase-1 in health and disease: from molecular mechanisms to therapeutic opportunities. <i>Antioxidants and Redox Signaling</i> , <b>2011</b> , 15, 1957-97	8.4	605
242	MicroRNA-210 controls mitochondrial metabolism during hypoxia by repressing the iron-sulfur cluster assembly proteins ISCU1/2. <i>Cell Metabolism</i> , <b>2009</b> , 10, 273-84	24.6	496
241	Nitric oxide insufficiency, platelet activation, and arterial thrombosis. <i>Circulation Research</i> , <b>2001</b> , 88, 756-62	15.7	478
240	Human disease classification in the postgenomic era: a complex systems approach to human pathobiology. <i>Molecular Systems Biology</i> , <b>2007</b> , 3, 124	12.2	397
239	Genetic Misdiagnoses and the Potential for Health Disparities. <i>New England Journal of Medicine</i> , <b>2016</b> , 375, 655-65	59.2	394
238	Nitric oxide donors and cardiovascular agents modulating the bioactivity of nitric oxide: an overview. <i>Circulation Research</i> , <b>2002</b> , 90, 21-8	15.7	375
237	Human alpha B-crystallin mutation causes oxido-reductive stress and protein aggregation cardiomyopathy in mice. <i>Cell</i> , <b>2007</b> , 130, 427-39	56.2	331
236	Endothelial dysfunction in a murine model of mild hyperhomocyst(e)inemia. <i>Journal of Clinical Investigation</i> , <b>2000</b> , 106, 483-91	15.9	316
235	Inflammation, Immunity, and Infection in Atherothrombosis: JACC Review Topic of the Week. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 72, 2071-2081	15.1	256
234	NAD(H) and NADP(H) Redox Couples and Cellular Energy Metabolism. <i>Antioxidants and Redox Signaling</i> , <b>2018</b> , 28, 251-272	8.4	245
233	SoNar, a Highly Responsive NAD <sup>+</sup> /NADH Sensor, Allows High-Throughput Metabolic Screening of Anti-tumor Agents. <i>Cell Metabolism</i> , <b>2015</b> , 21, 777-89	24.6	228
232	Network-based approach to prediction and population-based validation of in silico drug repurposing. <i>Nature Communications</i> , <b>2018</b> , 9, 2691	17.4	208
231	MicroRNA-21 integrates pathogenic signaling to control pulmonary hypertension: results of a network bioinformatics approach. <i>Circulation</i> , <b>2012</b> , 125, 1520-32	16.7	207

230	Hypoxia-Mediated Increases in L-2-hydroxyglutarate Coordinate the Metabolic Response to Reductive Stress. <i>Cell Metabolism</i> , <b>2015</b> , 22, 291-303	24.6	206
229	The treatment of hyperhomocysteinemia. <i>Annual Review of Medicine</i> , <b>2009</b> , 60, 39-54	17.4	195
228	Pathogenic mechanisms of pulmonary arterial hypertension. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2008</b> , 44, 14-30	5.8	195
227	Structure of pre-pro-von Willebrand factor and its expression in heterologous cells. <i>Nature</i> , <b>1986</b> , 324, 270-3	50.4	194
226	Deficient platelet-derived nitric oxide and enhanced hemostasis in mice lacking the NOSIII gene. <i>Circulation Research</i> , <b>1999</b> , 84, 1416-21	15.7	170
225	Oxidative risk for atherothrombotic cardiovascular disease. <i>Free Radical Biology and Medicine</i> , <b>2009</b> , 47, 1673-706	7.8	153
224	Genetics and the placebo effect: the placebome. <i>Trends in Molecular Medicine</i> , <b>2015</b> , 21, 285-94	11.5	152
223	Glucose-6-phosphate dehydrogenase overexpression decreases endothelial cell oxidant stress and increases bioavailable nitric oxide. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2003</b> , 23, 411-7	9.4	151
222	Selenoprotein Gene Nomenclature. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 24036-24040	5.4	147
221	Impaired platelet production of nitric oxide predicts presence of acute coronary syndromes. <i>Circulation</i> , <b>1998</b> , 98, 1481-6	16.7	145
220	Genetically encoded fluorescent sensors reveal dynamic regulation of NADPH metabolism. <i>Nature Methods</i> , <b>2017</b> , 14, 720-728	21.6	143
219	Aldosterone inactivates the endothelin-B receptor via a cysteinyl thiol redox switch to decrease pulmonary endothelial nitric oxide levels and modulate pulmonary arterial hypertension. <i>Circulation</i> , <b>2012</b> , 126, 963-74	16.7	141
218	Both maximal expression of selenoproteins and selenoprotein deficiency can promote development of type 2 diabetes-like phenotype in mice. <i>Antioxidants and Redox Signaling</i> , <b>2011</b> , 14, 2327-36	8.4	137
217	Keshan disease, selenium deficiency, and the selenoproteome. <i>New England Journal of Medicine</i> , <b>2014</b> , 370, 1756-60	59.2	134
216	Impaired angiogenesis in glutathione peroxidase-1-deficient mice is associated with endothelial progenitor cell dysfunction. <i>Circulation Research</i> , <b>2006</b> , 98, 254-61	15.7	133
215	Cellular redox state and endothelial dysfunction in mildly hyperhomocysteinemic cystathionine beta-synthase-deficient mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2002</b> , 22, 34-41	9.4	133
214	Effect of Genetic Diagnosis on Patients with Previously Undiagnosed Disease. <i>New England Journal of Medicine</i> , <b>2018</b> , 379, 2131-2139	59.2	129
213	Emerging Role of Precision Medicine in Cardiovascular Disease. <i>Circulation Research</i> , <b>2018</b> , 122, 1302-1315	15.7	123

212	Glutathione peroxidase-1 regulates mitochondrial function to modulate redox-dependent cellular responses. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 11913-21	5.4	123
211	Precision medicine in cardiology. <i>Nature Reviews Cardiology</i> , <b>2016</b> , 13, 591-602	14.8	115
210	From clinical observation to mechanism--Heydeß syndrome. <i>New England Journal of Medicine</i> , <b>2012</b> , 367, 1954-6	59.2	111
209	Glucose-6-phosphate dehydrogenase deficiency promotes endothelial oxidant stress and decreases endothelial nitric oxide bioavailability. <i>FASEB Journal</i> , <b>2001</b> , 15, 1771-3	0.9	110
208	Regulation of the protein disulfide proteome by mitochondria in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 10813-7	11.5	109
207	Early pregnancy vitamin D status and risk of preeclampsia. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 4702-4715	15.9	105
206	The Undiagnosed Diseases Network: Accelerating Discovery about Health and Disease. <i>American Journal of Human Genetics</i> , <b>2017</b> , 100, 185-192	11	102
205	Spatiotemporal Multi-Omics Mapping Generates a Molecular Atlas of the Aortic Valve and Reveals Networks Driving Disease. <i>Circulation</i> , <b>2018</b> , 138, 377-393	16.7	102
204	Platelets and Cardiovascular Disease. <i>European Journal of Cardiovascular Nursing</i> , <b>2002</b> , 1, 273-288	3.3	99
203	The unmapped chemical complexity of our diet. <i>Nature Food</i> , <b>2020</b> , 1, 33-37	14.4	99
202	Increased myocardial dysfunction after ischemia-reperfusion in mice lacking glucose-6-phosphate dehydrogenase. <i>Circulation</i> , <b>2004</b> , 109, 898-903	16.7	97
201	Visualizing RNA dynamics in live cells with bright and stable fluorescent RNAs. <i>Nature Biotechnology</i> , <b>2019</b> , 37, 1287-1293	44.5	95
200	Effects of race and hypertension on flow-mediated and nitroglycerin-mediated dilation of the brachial artery. <i>Hypertension</i> , <b>2001</b> , 38, 1349-54	8.5	93
199	Oxidant stress in the vasculature. <i>Current Atherosclerosis Reports</i> , <b>1999</b> , 1, 156-64	6	92
198	Target identification among known drugs by deep learning from heterogeneous networks. <i>Chemical Science</i> , <b>2020</b> , 11, 1775-1797	9.4	91
197	Epigenetic modifications: basic mechanisms and role in cardiovascular disease (2013 Grover Conference series). <i>Pulmonary Circulation</i> , <b>2014</b> , 4, 169-74	2.7	91
196	Putting the Patient Back Together - Social Medicine, Network Medicine, and the Limits of Reductionism. <i>New England Journal of Medicine</i> , <b>2017</b> , 377, 2493-2499	59.2	85
195	Antiplatelet and antithrombotic effects of organic nitrates. <i>American Journal of Cardiology</i> , <b>1992</b> , 70, 18B-22B	3	85

194	Homocysteine, oxidative stress, and vascular disease. <i>Hospital Practice (1995)</i> , <b>1997</b> , 32, 81-2, 85, 88-92	2.2	84
193	In vivo monitoring of cellular energy metabolism using SoNar, a highly responsive sensor for NAD(+)/NADH redox state. <i>Nature Protocols</i> , <b>2016</b> , 11, 1345-59	18.8	83
192	A genome-wide positioning systems network algorithm for in silico drug repurposing. <i>Nature Communications</i> , <b>2019</b> , 10, 3476	17.4	82
191	Aldosterone increases oxidant stress to impair guanylyl cyclase activity by cysteinyl thiol oxidation in vascular smooth muscle cells. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 7665-72	5.4	82
190	Hyperhomocyst(e)inemia and atherothrombosis. <i>Annals of the New York Academy of Sciences</i> , <b>1997</b> , 811, 48-58; discussion 58-9	6.5	82
189	A randomized trial of social media from Circulation. <i>Circulation</i> , <b>2015</b> , 131, 28-33	16.7	77
188	Network medicine framework for identifying drug-repurposing opportunities for COVID-19. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	77
187	Metabolic Responses to Reductive Stress. <i>Antioxidants and Redox Signaling</i> , <b>2020</b> , 32, 1330-1347	8.4	76
186	Responses to reductive stress in the cardiovascular system. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 109, 114-124	7.8	74
185	Plasma aldosterone levels are elevated in patients with pulmonary arterial hypertension in the absence of left ventricular heart failure: a pilot study. <i>European Journal of Heart Failure</i> , <b>2013</b> , 15, 277-83 <sup>12.3</sup>	7.4	74
184	The cellular response to hypoxia: tuning the system with microRNAs. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 3815-7	15.9	71
183	S-nitrosothiols and the S-nitrosoproteome of the cardiovascular system. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 18, 270-87	8.4	69
182	What we know and don't know about L-arginine and NO. <i>Circulation</i> , <b>2000</b> , 101, 2126-9	16.7	69
181	Nitric oxide inhibits thrombin receptor-activating peptide-induced phosphoinositide 3-kinase activity in human platelets. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 14368-75	5.4	68
180	Plasma glutathione peroxidase deficiency and platelet insensitivity to nitric oxide in children with familial stroke. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>1999</b> , 19, 2017-23	9.4	66
179	The Role of Nitroglycerin and Other Nitrogen Oxides in Cardiovascular Therapeutics. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 70, 2393-2410	15.1	65
178	Molecular networks in Network Medicine: Development and applications. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , <b>2020</b> , 12, e1489	6.6	63
177	Tissue Specificity of Human Disease Module. <i>Scientific Reports</i> , <b>2016</b> , 6, 35241	4.9	62

176	Nitric oxide and posttranslational modification of the vascular proteome: S-nitrosation of reactive thiols. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2006</b> , 26, 1207-14	9.4	61
175	Moving Beyond the Sarcomere to Explain Heterogeneity in Hypertrophic Cardiomyopathy: JACC Review Topic of the Week. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 73, 1978-1986	15.1	59
174	Venous thrombosis in the nephrotic syndrome. <i>New England Journal of Medicine</i> , <b>2013</b> , 368, 956-8	59.2	57
173	COVID-19 and Cardiovascular Disease: From Bench to Bedside. <i>Circulation Research</i> , <b>2021</b> , 128, 1214-1236	15.7	57
172	Endophenotype Network Models: Common Core of Complex Diseases. <i>Scientific Reports</i> , <b>2016</b> , 6, 27414	4.9	55
171	The identification of nitric oxide as endothelium-derived relaxing factor. <i>Circulation Research</i> , <b>2013</b> , 113, 100-3	15.7	55
170	Network medicine approaches to the genetics of complex diseases. <i>Discovery Medicine</i> , <b>2012</b> , 14, 143-52	2.5	54
169	NEDD9 targets to promote endothelial fibrosis and pulmonary arterial hypertension. <i>Science Translational Medicine</i> , <b>2018</b> , 10,	17.5	52
168	Glutathione peroxidase-1 deficiency augments proinflammatory cytokine-induced redox signaling and human endothelial cell activation. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 35407-35417	5.4	52
167	The NIH budget and the future of biomedical research. <i>New England Journal of Medicine</i> , <b>2006</b> , 354, 1665-7	57.2	51
166	Adverse effects of supplemental L-arginine in atherosclerosis: consequences of methylation stress in a complex catabolism?. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2003</b> , 23, 3-5	9.4	48
165	Restenosis following coronary angioplasty: clinical presentations and therapeutic options. <i>Clinical Cardiology</i> , <b>1995</b> , 18, 693-703	3.3	48
164	Homocysteine, EDRF, and endothelial function. <i>Journal of Nutrition</i> , <b>1996</b> , 126, 1290S-4S	4.1	48
163	Analysis of redox landscapes and dynamics in living cells and in vivo using genetically encoded fluorescent sensors. <i>Nature Protocols</i> , <b>2018</b> , 13, 2362-2386	18.8	46
162	Membrane redox state and apoptosis: death by peroxide. <i>Cell Metabolism</i> , <b>2008</b> , 8, 182-3	24.6	44
161	Identification of Racial Inequities in Access to Specialized Inpatient Heart Failure Care at an Academic Medical Center. <i>Circulation: Heart Failure</i> , <b>2019</b> , 12, e006214	7.6	43
160	Expression of 5-lipoxygenase in pulmonary artery endothelial cells. <i>Biochemical Journal</i> , <b>2002</b> , 361, 267-276	37.6	43
159	Upregulation of steroidogenic acute regulatory protein by hypoxia stimulates aldosterone synthesis in pulmonary artery endothelial cells to promote pulmonary vascular fibrosis. <i>Circulation</i> , <b>2014</b> , 130, 168-79	16.7	41

158	Selenistasis: epistatic effects of selenium on cardiovascular phenotype. <i>Nutrients</i> , <b>2013</b> , 5, 340-58	6.7	40
157	Epigenetic Inheritance Underlying Pulmonary Arterial Hypertension. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2019</b> , 39, 653-664	9.4	39
156	L-arginine and atherothrombosis. <i>Journal of Nutrition</i> , <b>2004</b> , 134, 2798S-2800S; discussion 2818S-2819S	4.1	37
155	Lipid metabolism by gut microbes and atherosclerosis. <i>Circulation Research</i> , <b>2011</b> , 109, 127-9	15.7	36
154	Network Medicine <b>2017</b> ,		36
153	Randomized Controlled Trial of Social Media: Effect of Increased Intensity of the Intervention. <i>Journal of the American Heart Association</i> , <b>2016</b> , 5,	6	34
152	Plasma levels of the proinflammatory chitin-binding glycoprotein YKL-40, variation in the chitinase 3-like 1 gene (CHI3L1), and incident cardiovascular events. <i>Journal of the American Heart Association</i> , <b>2014</b> , 3, e000897	6	34
151	The application of big data to cardiovascular disease: paths to precision medicine. <i>Journal of Clinical Investigation</i> , <b>2020</b> , 130, 29-38	15.9	34
150	Personalized cardiovascular medicine and drug development: time for a new paradigm. <i>Circulation</i> , <b>2012</b> , 125, 638-45	16.7	33
149	Caveolin 1 Modulates Aldosterone-Mediated Pathways of Glucose and Lipid Homeostasis. <i>Journal of the American Heart Association</i> , <b>2016</b> , 5,	6	33
148	Illuminating NAD Metabolism in Live Cells and In Vivo Using a Genetically Encoded Fluorescent Sensor. <i>Developmental Cell</i> , <b>2020</b> , 53, 240-252.e7	10.2	32
147	Oxidative stress in endothelial cell dysfunction and thrombosis. <i>Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research</i> , <b>2002</b> , 32, 359-60		32
146	Polymorphisms in catechol-O-methyltransferase modify treatment effects of aspirin on risk of cardiovascular disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 2160-7	9.4	31
145	Network analysis of the genomic basis of the placebo effect. <i>JCI Insight</i> , <b>2017</b> , 2,	9.9	31
144	A Systems Approach to Refine Disease Taxonomy by Integrating Phenotypic and Molecular Networks. <i>EBioMedicine</i> , <b>2018</b> , 31, 79-91	8.8	30
143	Network Medicine in Pathobiology. <i>American Journal of Pathology</i> , <b>2019</b> , 189, 1311-1326	5.8	29
142	Network Analysis to Risk Stratify Patients With Exercise Intolerance. <i>Circulation Research</i> , <b>2018</b> , 122, 864-876	15.7	29
141	Proteomics in cardiovascular biology and medicine. <i>Circulation</i> , <b>2003</b> , 108, 380-3	16.7	29

140	Gene co-expression in the interactome: moving from correlation toward causation via an integrated approach to disease module discovery. <i>Npj Systems Biology and Applications</i> , <b>2021</b> , 7, 3	5	29
139	Up-regulation of the mammalian target of rapamycin complex 1 subunit Raptor by aldosterone induces abnormal pulmonary artery smooth muscle cell survival patterns to promote pulmonary arterial hypertension. <i>FASEB Journal</i> , <b>2016</b> , 30, 2511-27	0.9	28
138	Autoimmune Cardiotoxicity of Cancer Immunotherapy. <i>Trends in Immunology</i> , <b>2017</b> , 38, 77-78	14.4	27
137	Comprehensive characterization of protein-protein interactions perturbed by disease mutations. <i>Nature Genetics</i> , <b>2021</b> , 53, 342-353	36.3	27
136	Analyzing networks of phenotypes in complex diseases: methodology and applications in COPD. <i>BMC Systems Biology</i> , <b>2014</b> , 8, 78	3.5	26
135	Network-Based Disease Module Discovery by a Novel Seed Connector Algorithm with Pathobiological Implications. <i>Journal of Molecular Biology</i> , <b>2018</b> , 430, 2939-2950	6.5	26
134	Deciphering the molecular basis of human cardiovascular disease through network biology. <i>Current Opinion in Cardiology</i> , <b>2012</b> , 27, 202-9	2.1	25
133	Endothelial cell nitric oxide production in acute chest syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>1999</b> , 277, H1579-92	5.2	24
132	MicroRNA Dysregulation in Pulmonary Arteries from Chronic Obstructive Pulmonary Disease. Relationships with Vascular Remodeling. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2018</b> , 59, 490-499	5.7	23
131	Complexity and network dynamics in physiological adaptation: an integrated view. <i>Physiology and Behavior</i> , <b>2014</b> , 131, 49-56	3.5	22
130	Systems biology and personalized medicine: a network approach to human disease. <i>Proceedings of the American Thoracic Society</i> , <b>2011</b> , 8, 196-8		21
129	Homocysteine-mediated thrombosis and angiostasis in vascular pathobiology. <i>Journal of Clinical Investigation</i> , <b>2009</b> , 119, 3203-5	15.9	21
128	Yield of whole exome sequencing in undiagnosed patients facing insurance coverage barriers to genetic testing. <i>Journal of Genetic Counseling</i> , <b>2019</b> , 28, 1107-1118	2.5	20
127	Robustness and lethality in multilayer biological molecular networks. <i>Nature Communications</i> , <b>2020</b> , 11, 6043	17.4	20
126	Reaction rate of pyruvate and hydrogen peroxide: assessing antioxidant capacity of pyruvate under biological conditions. <i>Scientific Reports</i> , <b>2019</b> , 9, 19568	4.9	20
125	Nitroglycerin and Nitric Oxide--A Rondo of Themes in Cardiovascular Therapeutics. <i>New England Journal of Medicine</i> , <b>2015</b> , 373, 277-80	59.2	19
124	American Heart Association Cardiovascular Genome-Phenome Study: foundational basis and program. <i>Circulation</i> , <b>2015</b> , 131, 100-12	16.7	19
123	Pre-clinical model of severe glutathione peroxidase-3 deficiency and chronic kidney disease results in coronary artery thrombosis and depressed left ventricular function. <i>Nephrology Dialysis Transplantation</i> , <b>2018</b> , 33, 923-934	4.3	19



122	Systems Pharmacology and Rational Polypharmacy: Nitric Oxide-Cyclic GMP Signaling Pathway as an Illustrative Example and Derivation of the General Case. <i>PLoS Computational Biology</i> , <b>2016</b> , 12, e1004822	5.22	19
121	Ozone--from environmental pollutant to atherogenic determinant. <i>New England Journal of Medicine</i> , <b>2004</b> , 350, 834-5	59.2	18
120	Individualized interactomes for network-based precision medicine in hypertrophic cardiomyopathy with implications for other clinical pathophenotypes. <i>Nature Communications</i> , <b>2021</b> , 12, 873	17.4	18
119	Creating Real Change at Academic Medical Centers - How Social Movements Can Be Timely Catalysts. <i>New England Journal of Medicine</i> , <b>2020</b> , 383, 199-201	59.2	17
118	lluminating drug action by network integration of disease genes: a case study of myocardial infarction. <i>Molecular BioSystems</i> , <b>2016</b> , 12, 1653-66		17
117	Fine-Tuning of PGC1 $\beta$ Expression Regulates Cardiac Function and Longevity. <i>Circulation Research</i> , <b>2019</b> , 125, 707-719	15.7	17
116	Homocysteine and atherothrombosis: diagnosis and treatment. <i>Current Atherosclerosis Reports</i> , <b>2003</b> , 5, 276-83	6	17
115	Platelets and Plasminogen Activation. <i>Thrombosis and Haemostasis</i> , <b>1995</b> , 74, 291-293	7	16
114	Adaptions to Hypoxia and Redox Stress: Essential Concepts Confounded by Misleading Terminology. <i>Circulation Research</i> , <b>2016</b> , 119, 511-3	15.7	16
113	An integrated clinical program and crowdsourcing strategy for genomic sequencing and Mendelian disease gene discovery. <i>Npj Genomic Medicine</i> , <b>2018</b> , 3, 21	6.2	15
112	The Future of Cardiovascular Therapeutics. <i>Circulation</i> , <b>2016</b> , 133, 2610-7	16.7	14
111	Can scientific quality be quantified?. <i>Circulation</i> , <b>2011</b> , 123, 947-50	16.7	14
110	Network medicine framework shows that proximity of polyphenol targets and disease proteins predicts therapeutic effects of polyphenols. <i>Nature Food</i> , <b>2021</b> , 2, 143-155	14.4	14
109	Controllability in an islet specific regulatory network identifies the transcriptional factor NFATC4, which regulates Type 2 Diabetes associated genes. <i>Npj Systems Biology and Applications</i> , <b>2018</b> , 4, 25	5	14
108	Case 8-2018: A 55-Year-Old Woman with Shock and Labile Blood Pressure. <i>New England Journal of Medicine</i> , <b>2018</b> , 378, 1043-1053	59.2	13
107	Tumor necrosis factor- $\beta$ -mediated suppression of dual-specificity phosphatase 4: crosstalk between NFB and MAPK regulates endothelial cell survival. <i>Molecular and Cellular Biochemistry</i> , <b>2013</b> , 382, 153-62	4.2	13
106	Changes in the amplitude of cyclic load biphasically modulate endothelial cell DNA synthesis and division. <i>Vascular Medicine</i> , <b>1997</b> , 2, 19-24	3.3	13
105	Determinants of drug-target interactions at the single cell level. <i>PLoS Computational Biology</i> , <b>2018</b> , 14, e1006601	5	13

104	Precision Psychiatry Meets Network Medicine: Network Psychiatry. <i>JAMA Psychiatry</i> , <b>2017</b> , 74, 665-666	14.5	12
103	Strengthening national nutrition research: rationale and options for a new coordinated federal research effort and authority. <i>American Journal of Clinical Nutrition</i> , <b>2020</b> , 112, 721-769	7	12
102	Precision Medicine. <i>Circulation Research</i> , <b>2019</b> , 124, 987-989	15.7	11
101	Endothelial dysfunction and atherothrombotic occlusive disease. <i>Drugs</i> , <b>1997</b> , 54 Suppl 3, 41-9; discussion 49-50	12.1	11
100	The vascular biology of S-nitrosothiols, nitrosated derivatives of thiols. <i>Vascular Medicine</i> , <b>1996</b> , 1, 25-33	3.3	11
99	Network-based association of hypoxia-responsive genes with cardiovascular diseases. <i>New Journal of Physics</i> , <b>2014</b> , 16, 105014	2.9	10
98	Functional polymorphisms in a candidate gene for atherothrombosis: unraveling the complex fabric of a polygenic phenotype. <i>Journal of the American College of Cardiology</i> , <b>2003</b> , 41, 946-8	15.1	10
97	A systematic comprehensive longitudinal evaluation of dietary factors associated with acute myocardial infarction and fatal coronary heart disease. <i>Nature Communications</i> , <b>2020</b> , 11, 6074	17.4	10
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