Joseph Loscalzo

List of Publications by Year
in descending order

258	27,520	8172	6128
papers	citations	76 h-index	159 g-index

263	263	263	35636
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Network medicine: a network-based approach to human disease. Nature Reviews Genetics, 2011, 12, 56-68.	7.7	3,987
2	A redox-based mechanism for the neuroprotective and neurodestructive effects of nitric oxide and related nitroso-compounds. Nature, 1993, 364, 626-632.	13.7	2,443
3	Uncovering disease-disease relationships through the incomplete interactome. Science, 2015, 347, 1257601.	6.0	1,219
4	Glutathione Peroxidase-1 in Health and Disease: From Molecular Mechanisms to Therapeutic Opportunities. Antioxidants and Redox Signaling, 2011, 15, 1957-1997.	2.5	864
5	Vascular Calcification. Circulation Research, 2006, 99, 1044-1059.	2.0	847
6	Genetic Misdiagnoses and the Potential for Health Disparities. New England Journal of Medicine, 2016, 375, 655-665.	13.9	602
7	MicroRNA-210 Controls Mitochondrial Metabolism during Hypoxia by Repressing the Iron-Sulfur Cluster Assembly Proteins ISCU1/2. Cell Metabolism, 2009, 10, 273-284.	7.2	588
8	Nitric Oxide Insufficiency, Platelet Activation, and Arterial Thrombosis. Circulation Research, 2001, 88, 756-762.	2.0	542
9	NAD(H) and NADP(H) Redox Couples and Cellular Energy Metabolism. Antioxidants and Redox Signaling, 2018, 28, 251-272.	2.5	512
10	Human disease classification in the postgenomic era: A complex systems approach to human pathobiology. Molecular Systems Biology, 2007, 3, 124.	3.2	489
11	Nitric Oxide Donors and Cardiovascular Agents Modulating the Bioactivity of Nitric Oxide. Circulation Research, 2002, 90, 21-28.	2.0	436
12	Inflammation, Immunity, and Infection in Atherothrombosis. Journal of the American College of Cardiology, 2018, 72, 2071-2081.	1.2	389
13	Human Î±B-Crystallin Mutation Causes Oxido-Reductive Stress and Protein Aggregation Cardiomyopathy in Mice. Cell, 2007, 130, 427-439.	13.5	386
14	Endothelial dysfunction in a murine model of mild hyperhomocyst(e)inemia. Journal of Clinical Investigation, 2000, 106, 483-491.	3.9	353
15	Network-based approach to prediction and population-based validation of in silico drug repurposing. Nature Communications, 2018, 9, 2691.	5.8	351
16	SoNar, a Highly Responsive NAD+/NADH Sensor, Allows High-Throughput Metabolic Screening of Anti-tumor Agents. Cell Metabolism, 2015, 21, 777-789.	7.2	311
17	Hypoxia-Mediated Increases in l -2-hydroxyglutarate Coordinate the Metabolic Response to Reductive Stress. Cell Metabolism, 2015, 22, 291-303.	7.2	270
18	Effect of Genetic Diagnosis on Patients with Previously Undiagnosed Disease. New England Journal of Medicine, 2018, 379, 2131-2139.	13.9	261

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19	MicroRNA-21 Integrates Pathogenic Signaling to Control Pulmonary Hypertension. Circulation, 2012, 125, 1520-1532.	1.6	246
20	Network medicine framework for identifying drug-repurposing opportunities for COVID-19. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	245
21	The Treatment of Hyperhomocysteinemia. Annual Review of Medicine, 2009, 60, 39-54.	5.0	241
22	Systems biology and the future of medicine. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2011, 3, 619-627.	6.6	239
23	COVID-19 and Cardiovascular Disease. Circulation Research, 2021, 128, 1214-1236.	2.0	232
24	Pathogenic mechanisms of pulmonary arterial hypertension. Journal of Molecular and Cellular Cardiology, 2008, 44, 14-30.	0.9	229
25	Genetically encoded fluorescent sensors reveal dynamic regulation of NADPH metabolism. Nature Methods, 2017, 14, 720-728.	9.0	223
26	Emerging Role of Precision Medicine in Cardiovascular Disease. Circulation Research, 2018, 122, 1302-1315.	2.0	218
27	Structure of pre-pro-von Willebrand factor and its expression in heterologous cells. Nature, 1986, 324, 270-273.	13.7	212
28	Metabolic Responses to Reductive Stress. Antioxidants and Redox Signaling, 2020, 32, 1330-1347.	2.5	211
29	Selenoprotein Gene Nomenclature. Journal of Biological Chemistry, 2016, 291, 24036-24040.	1.6	207
30	Visualizing RNA dynamics in live cells with bright and stable fluorescent RNAs. Nature Biotechnology, 2019, 37, 1287-1293.	9.4	206
31	Deficient Platelet-Derived Nitric Oxide and Enhanced Hemostasis in Mice Lacking the NOSIII Gene. Circulation Research, 1999, 84, 1416-1421.	2.0	195
32	Genetics and the placebo effect: the placebome. Trends in Molecular Medicine, 2015, 21, 285-294.	3.5	194
33	Keshan Disease, Selenium Deficiency, and the Selenoproteome. New England Journal of Medicine, 2014, 370, 1756-1760.	13.9	193
34	Target identification among known drugs by deep learning from heterogeneous networks. Chemical Science, 2020, 11, 1775-1797.	3.7	193
35	Precision medicine in cardiology. Nature Reviews Cardiology, 2016, 13, 591-602.	6.1	183
36	Spatiotemporal Multi-Omics Mapping Generates a Molecular Atlas of the Aortic Valve and Reveals Networks Driving Disease. Circulation, 2018, 138, 377-393.	1.6	180

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37	Glucose-6-Phosphate Dehydrogenase Overexpression Decreases Endothelial Cell Oxidant Stress and Increases Bioavailable Nitric Oxide. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 411-417.	1.1	179
38	Oxidative risk for atherothrombotic cardiovascular disease. Free Radical Biology and Medicine, 2009, 47, 1673-1706.	1.3	178
39	The unmapped chemical complexity of our diet. Nature Food, 2020, 1, 33-37.	6.2	177
40	Aldosterone Inactivates the Endothelin-B Receptor via a Cysteinyl Thiol Redox Switch to Decrease Pulmonary Endothelial Nitric Oxide Levels and Modulate Pulmonary Arterial Hypertension. Circulation, 2012, 126, 963-974.	1.6	171
41	Impaired Platelet Production of Nitric Oxide Predicts Presence of Acute Coronary Syndromes. Circulation, 1998, 98, 1481-1486.	1.6	168
42	Early pregnancy vitamin D status and risk of preeclampsia. Journal of Clinical Investigation, 2016, 126, 4702-4715.	3.9	160
43	Both Maximal Expression of Selenoproteins and Selenoprotein Deficiency Can Promote Development of Type 2 Diabetes-Like Phenotype in Mice. Antioxidants and Redox Signaling, 2011, 14, 2327-2336.	2.5	158
44	Glutathione Peroxidase-1 Regulates Mitochondrial Function to Modulate Redox-dependent Cellular Responses. Journal of Biological Chemistry, 2009, 284, 11913-11921.	1.6	151
45	Cellular Redox State and Endothelial Dysfunction in Mildly Hyperhomocysteinemic Cystathionine Î²-Synthaseâ€“Deficient Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2002, 22, 34-41.	1.1	147
46	Impaired Angiogenesis in Glutathione Peroxidase-1â€“Deficient Mice Is Associated With Endothelial Progenitor Cell Dysfunction. Circulation Research, 2006, 98, 254-261.	2.0	147
47	From Clinical Observation to Mechanism â€" Heyde's Syndrome. New England Journal of Medicine, 2012, 367, 1954-1956.	13.9	146
48	The Undiagnosed Diseases Network: Accelerating Discovery about Health and Disease. American Journal of Human Genetics, 2017, 100, 185-192.	2.6	142
49	Glucoseâ€6â€phosphate dehydrogenase deficiency promotes endothelial oxidant stress and decreases endothelial nitric oxide bioavailability. FASEB Journal, 2001, 15, 1771-1773.	0.2	136
50	A genome-wide positioning systems network algorithm for in silico drug repurposing. Nature Communications, 2019, 10, 3476.	5.8	134
51	Putting the Patient Back Together â€" Social Medicine, Network Medicine, and the Limits of Reductionism. New England Journal of Medicine, 2017, 377, 2493-2499.	13.9	132
52	Molecular networks in Network Medicine: Development and applications. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2020, 12, e1489.	6.6	128
53	The Role of Nitroglycerin and Other Nitrogen Oxides in Cardiovascular Therapeutics. Journal of the American College of Cardiology, 2017, 70, 2393-2410.	1.2	124
54	Moving Beyond the Sarcomere to ExplainÂHeterogeneity in HypertrophicÂCardiomyopathy. Journal of the American College of Cardiology, 2019, 73, 1978-1986.	1.2	124

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55	Epigenetic Modifications: Basic Mechanisms and Role in Cardiovascular Disease (2013 Grover) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.8	122
56	A Randomized Trial of Social Media From Circulation. Circulation, 2015, 131, 28-33.	1.6	122
57	In vivo monitoring of cellular energy metabolism using SoNar, a highly responsive sensor for NAD+/NADH redox state. Nature Protocols, 2016, 11, 1345-1359.	5.5	119
58	Increased Myocardial Dysfunction After Ischemia-Reperfusion in Mice Lacking Glucose-6-Phosphate Dehydrogenase. Circulation, 2004, 109, 898-903.	1.6	118
59	Regulation of the protein disulfide proteome by mitochondria in mammalian cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10813-10817.	3.3	118
60	Platelets and Cardiovascular Disease. European Journal of Cardiovascular Nursing, 2002, 1, 273-288.	0.4	116
61	Comprehensive characterization of proteinâ€“protein interactions perturbed by disease mutations. Nature Genetics, 2021, 53, 342-353.	9.4	109
62	Responses to reductive stress in the cardiovascular system. Free Radical Biology and Medicine, 2017, 109, 114-124.	1.3	107
63	Antiplatelet and antithrombotic effects of organic nitrates. American Journal of Cardiology, 1992, 70, B18-B22.	0.7	105
64	Effects of Race and Hypertension on Flow-Mediated and Nitroglycerin-Mediated Dilation of the Brachial Artery. Hypertension, 2001, 38, 1349-1354.	1.3	105
65	Homocysteine, Oxidative Stress, and Vascular Disease. Hospital Practice (1995), 1997, 32, 81-92.	0.5	102
66	Oxidant stress in the vasculature. Current Atherosclerosis Reports, 1999, 1, 156-164.	2.0	102
67	Identification of Racial Inequities in Access to Specialized Inpatient Heart Failure Care at an Academic Medical Center. Circulation: Heart Failure, 2019, 12, e006214.	1.6	100
68	Tissue Specificity of Human Disease Module. Scientific Reports, 2016, 6, 35241.	1.6	99
69	Venous Thrombosis in the Nephrotic Syndrome. New England Journal of Medicine, 2013, 368, 956-958.	13.9	93
70	Plasma aldosterone levels are elevated in patients with pulmonary arterial hypertension in the absence of left ventricular heart failure: a pilot study. European Journal of Heart Failure, 2013, 15, 277-283.	2.9	91
71	Hyperhomocyst(e)inemia and Atherothrombosis. Annals of the New York Academy of Sciences, 1997, 811, 48-59.	1.8	90
72	Aldosterone Increases Oxidant Stress to Impair Guanylyl Cyclase Activity by Cysteinyl Thiol Oxidation in Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 2009, 284, 7665-7672.	1.6	89

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73	NEDD9 targets COL3A1 to promote endothelial fibrosis and pulmonary arterial hypertension. Science Translational Medicine, 2018, 10, .	5.8	89
74	The cellular response to hypoxia: tuning the system with microRNAs. Journal of Clinical Investigation, 2010, 120, 3815-3817.	3.9	86
75	Nitric Oxide Inhibits Thrombin Receptor-activating Peptide-induced Phosphoinositide 3-Kinase Activity in Human Platelets. Journal of Biological Chemistry, 1999, 274, 14368-14375.	1.6	80
76	Plasma Glutathione Peroxidase Deficiency and Platelet Insensitivity to Nitric Oxide in Children With Familial Stroke. Arteriosclerosis, Thrombosis, and Vascular Biology, 1999, 19, 2017-2023.	1.1	80
77	S-Nitrosothiols and theS-Nitrosoproteome of the Cardiovascular System. Antioxidants and Redox Signaling, 2013, 18, 270-287.	2.5	79
78	Network medicine approaches to the genetics of complex diseases. Discovery Medicine, 2012, 14, 143-52.	0.5	75
79	The application of big data to cardiovascular disease: paths to precision medicine. Journal of Clinical Investigation, 2020, 130, 29-38.	3.9	74
80	What We Know and Donâ€™t Know About <scp>l</scp> -Arginine and NO. Circulation, 2000, 101, 2126-2129.	1.6	72
81	Endophenotype Network Models: Common Core of Complex Diseases. Scientific Reports, 2016, 6, 27414.	1.6	72
82	Illuminating NAD+ Metabolism in Live Cells and InÂVivo Using a Genetically Encoded Fluorescent Sensor. Developmental Cell, 2020, 53, 240-252.e7.	3.1	71
83	The Identification of Nitric Oxide as Endothelium-Derived Relaxing Factor. Circulation Research, 2013, 113, 100-103.	2.0	70
84	Analysis of redox landscapes and dynamics in living cells and in vivo using genetically encoded fluorescent sensors. Nature Protocols, 2018, 13, 2362-2386.	5.5	70
85	Glutathione Peroxidase-1 Deficiency Augments Proinflammatory Cytokine-induced Redox Signaling and Human Endothelial Cell Activation. Journal of Biological Chemistry, 2011, 286, 35407-35417.	1.6	67
86	Nitric Oxide and Posttranslational Modification of the Vascular Proteome. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 1207-1214.	1.1	65
87	Gene co-expression in the interactome: moving from correlation toward causation via an integrated approach to disease module discovery. Npj Systems Biology and Applications, 2021, 7, 3.	1.4	64
88	Robustness and lethality in multilayer biological molecular networks. Nature Communications, 2020, 11, 6043.	5.8	61
89	The role of glutathione peroxidase-1 in health and disease. Free Radical Biology and Medicine, 2022, 188, 146-161.	1.3	61
90	Homocysteine, EDRF and Endothelial function. Journal of Nutrition, 1996, 126, 1290S-1294S.	1.3	60

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91	A Systems Approach to Refine Disease Taxonomy by Integrating Phenotypic and Molecular Networks. EBioMedicine, 2018, 31, 79-91.	2.7	60
92	Epigenetic Inheritance Underlying Pulmonary Arterial Hypertension. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 653-664.	1.1	60
93	The NIH Budget and the Future of Biomedical Research. New England Journal of Medicine, 2006, 354, 1665-1667.	13.9	58
94	Membrane Redox State and Apoptosis: Death by Peroxide. Cell Metabolism, 2008, 8, 182-183.	7.2	58
95	Restenosis following coronary angioplasty: Clinical presentations and therapeutic options. Clinical Cardiology, 1995, 18, 693-703.	0.7	57
96	Network medicine framework shows that proximity of polyphenol targets and disease proteins predicts therapeutic effects of polyphenols. Nature Food, 2021, 2, 143-155.	6.2	57
97	Adverse Effects of Supplemental l -Arginine in Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2003, 23, 3-5.	1.1	56
98	Network Medicine in Pathobiology. American Journal of Pathology, 2019, 189, 1311-1326.	1.9	55
99	Network Medicine. , 2017, , .		55
100	Upregulation of Steroidogenic Acute Regulatory Protein by Hypoxia Stimulates Aldosterone Synthesis in Pulmonary Artery Endothelial Cells to Promote Pulmonary Vascular Fibrosis. Circulation, 2014, 130, 168-179.	1.6	53
101	Individualized interactomes for network-based precision medicine in hypertrophic cardiomyopathy with implications for other clinical pathophenotypes. Nature Communications, 2021, 12, 873.	5.8	53
102	Selenistasis: Epistatic Effects of Selenium on Cardiovascular Phenotype. Nutrients, 2013, 5, 340-358.	1.7	52
103	Randomized Controlled Trial of Social Media: Effect of Increased Intensity of the Intervention. Journal of the American Heart Association, 2016, 5, .	1.6	52
104	Fine-Tuning of PGC1Î± Expression Regulates Cardiac Function and Longevity. Circulation Research, 2019, 125, 707-719.	2.0	47
105	Reaction rate of pyruvate and hydrogen peroxide: assessing antioxidant capacity of pyruvate under biological conditions. Scientific Reports, 2019, 9, 19568.	1.6	47
106	Oxidative stress in endothelial cell dysfunction and thrombosis. Pathophysiology of Haemostasis and Thrombosis: International Journal on Haemostasis and Thrombosis Research, 2002, 32, 359-360.	0.5	46
107	Expression of 5-lipoxygenase in pulmonary artery endothelial cells. Biochemical Journal, 2002, 361, 267-276.	1.7	45
108	Lipid Metabolism by Gut Microbes and Atherosclerosis. Circulation Research, 2011, 109, 127-129.	2.0	45

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109	L-Arginine and Atherothrombosis. Journal of Nutrition, 2004, 134, 2798S-2800S.	1.3	44
110	Plasma Levels of the Proinflammatory Chitinâ€Binding Glycoprotein YKLâ€40, Variation in the Chitinase 3â€Like 1 Gene (CHI3L1), and Incident Cardiovascular Events. Journal of the American Heart Association, 2014, 3, e000897.	1.6	44
111	Proteomics in Cardiovascular Biology and Medicine. Circulation, 2003, 108, 380-383.	1.6	42
112	Network Analysis to Risk Stratify Patients With Exercise Intolerance. Circulation Research, 2018, 122, 864-876.	2.0	42
113	Yield of whole exome sequencing in undiagnosed patients facing insurance coverage barriers to genetic testing. Journal of Genetic Counseling, 2019, 28, 1107-1118.	0.9	42
114	Personalized Cardiovascular Medicine and Drug Development. Circulation, 2012, 125, 638-645.	1.6	41
115	Caveolin 1 Modulates Aldosteroneâ€Mediated Pathways of Glucose and Lipid Homeostasis. Journal of the American Heart Association, 2016, 5, .	1.6	41
116	Network-Based Disease Module Discovery by a Novel Seed Connector Algorithm with Pathobiological Implications. Journal of Molecular Biology, 2018, 430, 2939-2950.	2.0	41
117	Selenium, a Micronutrient That Modulates Cardiovascular Health via Redox Enzymology. Nutrients, 2021, 13, 3238.	1.7	40
118	Upâ€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. FASEB Journal, 2016, 30, 2511-2527.	0.2	39
119	Immunometabolic Endothelial Phenotypes: Integrating Inflammation and Glucose Metabolism. Circulation Research, 2021, 129, 9-29.	2.0	38
120	Network analysis of the genomic basis of the placebo effect. JCI Insight, 2017, 2, .	2.3	37
121	A systematic comprehensive longitudinal evaluation of dietary factors associated with acute myocardial infarction and fatal coronary heart disease. Nature Communications, 2020, 11, 6074.	5.8	37
122	Clinical epigenetics settings for cancer and cardiovascular diseases: real-life applications of network medicine at the bedside. Clinical Epigenetics, 2021, 13, 66.	1.8	36
123	Interferon-Î³ Impairs Human Coronary Artery Endothelial Glucose Metabolism by Tryptophan Catabolism and Activates Fatty Acid Oxidation. Circulation, 2021, 144, 1612-1628.	1.6	36
124	Polymorphisms in Catechol- O -Methyltransferase Modify Treatment Effects of Aspirin on Risk of Cardiovascular Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2160-2167.	1.1	35
125	Strengthening national nutrition research: rationale and options for a new coordinated federal research effort and authority. American Journal of Clinical Nutrition, 2020, 112, 721-769.	2.2	35
126	MicroRNA Dysregulation in Pulmonary Arteries from Chronic Obstructive Pulmonary Disease. Relationships with Vascular Remodeling. American Journal of Respiratory Cell and Molecular Biology, 2018, 59, 490-499.	1.4	34

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127	Temporal bias in case-control design: preventing reliable predictions of the future. Nature Communications, 2021, 12, 1107.	5.8	33
128	Nitroglycerin and Nitric Oxide â€" A Rondo of Themes in Cardiovascular Therapeutics. New England Journal of Medicine, 2015, 373, 277-280.	13.9	32
129	Autoimmune Cardiotoxicity of Cancer Immunotherapy. Trends in Immunology, 2017, 38, 77-78.	2.9	32
130	Analyzing networks of phenotypes in complex diseases: methodology and applications in COPD. BMC Systems Biology, 2014, 8, 78.	3.0	31
131	Creating Real Change at Academic Medical Centers â€" How Social Movements Can Be Timely Catalysts. New England Journal of Medicine, 2020, 383, 199-201.	13.9	31
132	Deciphering the molecular basis of human cardiovascular disease through network biology. Current Opinion in Cardiology, 2012, 27, 202-209.	0.8	30
133	Pre-clinical model of severe glutathione peroxidase-3 deficiency and chronic kidney disease results in coronary artery thrombosis and depressed left ventricular function. Nephrology Dialysis Transplantation, 2018, 33, 923-934.	0.4	30
134	Endothelial cell nitric oxide production in acute chest syndrome. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 277, H1579-H1592.	1.5	28
135	Systems Biology and Personalized Medicine: A Network Approach to Human Disease. Proceedings of the American Thoracic Society, 2011, 8, 196-198.	3.5	28
136	Complexity and network dynamics in physiological adaptation: An integrated view. Physiology and Behavior, 2014, 131, 49-56.	1.0	28
137	Homocysteine-mediated thrombosis and angiostasis in vascular pathobiology. Journal of Clinical Investigation, 2009, 119, 3203-5.	3.9	27
138	The inclusion of augmented intelligence in medicine: A framework for successful implementation. Cell Reports Medicine, 2022, 3, 100485.	3.3	27
139	American Heart Association Cardiovascular Genome-Phenome Study. Circulation, 2015, 131, 100-112.	1.6	26
140	Controllability in an islet specific regulatory network identifies the transcriptional factor NFATC4, which regulates Type 2 Diabetes associated genes. Npj Systems Biology and Applications, 2018, 4, 25.	1.4	25
141	An integrated clinical program and crowdsourcing strategy for genomic sequencing and Mendelian disease gene discovery. Npj Genomic Medicine, 2018, 3, 21.	1.7	24
142	Homocysteine and atherothrombosis: Diagnosis and treatment. Current Atherosclerosis Reports, 2003, 5, 276-283.	2.0	23
143	Systems Pharmacology and Rational Polypharmacy: Nitric Oxideâ^'Cyclic GMP Signaling Pathway as an Illustrative Example and Derivation of the General Case. PLoS Computational Biology, 2016, 12, e1004822.	1.5	23
144	Adaptions to Hypoxia and Redox Stress. Circulation Research, 2016, 119, 511-513.	2.0	23

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145	Determinants of drug-target interactions at the single cell level. PLoS Computational Biology, 2018, 14, e1006601.	1.5	23
146	Network medicine in Cardiovascular Research. Cardiovascular Research, 2021, 117, 2186-2202.	1.8	23
147	A Bold, New Initiative for Circulation. Circulation, 2008, 117, 4-5.	1.6	22
148	The Future of Cardiovascular Therapeutics. Circulation, 2016, 133, 2610-2617.	1.6	22
149	Illuminating drug action by network integration of disease genes: a case study of myocardial infarction. Molecular BioSystems, 2016, 12, 1653-1666.	2.9	21
150	Platelets and Plasminogen Activation. Thrombosis and Haemostasis, 1995, 74, 291-293.	1.8	21
151	Ozone â€" From Environmental Pollutant to Atherogenic Determinant. New England Journal of Medicine, 2004, 350, 834-835.	13.9	20
152	Precision Psychiatry Meets Network Medicine. JAMA Psychiatry, 2017, 74, 665.	6.0	19
153	Network determinants of cardiovascular calcification and repositioned drug treatments. FASEB Journal, 2020, 34, 11087-11100.	0.2	19
154	A global network for network medicine. Npj Systems Biology and Applications, 2020, 6, 29.	1.4	19
155	Can Scientific Quality Be Quantified?. Circulation, 2011, 123, 947-950.	1.6	18
156	Case 8-2018: A 55-Year-Old Woman with Shock and Labile Blood Pressure. New England Journal of Medicine, 2018, 378, 1043-1053.	13.9	18
157	Precision Medicine. Circulation Research, 2019, 124, 987-989.	2.0	18
158	Is Oxygen Therapy Beneficial in Acute Myocardial Infarction? Simple Question, Complicated Mechanism, Simple Answer. New England Journal of Medicine, 2017, 377, 1286-1287.	13.9	17
159	Functional polymorphisms in a candidate gene for atherothrombosis. Journal of the American College of Cardiology, 2003, 41, 946-948.	1.2	14
160	Tumor necrosis factor-Î±-mediated suppression of dual-specificity phosphatase 4: crosstalk between NFÎºB and MAPK regulates endothelial cell survival. Molecular and Cellular Biochemistry, 2013, 382, 153-162.	1.4	14
161	Network-based association of hypoxia-responsive genes with cardiovascular diseases. New Journal of Physics, 2014, 16, 105014.	1.2	14
162	NEDD9 Is a Novel and Modifiable Mediator of Plateletâ€"Endothelial Adhesion in the Pulmonary Circulation. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1533-1545.	2.5	14

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163	Changes in the Amplitude of Cyclic Load Biphasically Modulate Endothelial Cell DNA Synthesis and Division. Vascular Medicine, 1997, 2, 19-24.	0.8	13
164	Real-Time Assessment of the Metabolic Profile of Living Cells with Genetically Encoded NADH Sensors. Methods in Enzymology, 2014, 542, 349-367.	0.4	13
165	Incorporation of heparin-binding proteins into preformed dextran sulfate-chitosan nanoparticles. International Journal of Nanomedicine, 2016, Volume 11, 6149-6159.	3.3	13
166	International Exchange and American Medicine. New England Journal of Medicine, 2017, 376, e40.	13.9	13
167	MDH1-mediated malate-aspartate NADH shuttle maintains the activity levels of fetal liver hematopoietic stem cells. Blood, 2020, 136, 553-571.	0.6	13
168	NHLBI-CMREF Workshop Report on Pulmonary Vascular DiseaseÂClassification. Journal of the American College of Cardiology, 2021, 77, 2040-2052.	1.2	13
169	Thrombin Inhibitors in Fibrinolysis. Circulation, 1996, 94, 863-865.	1.6	13
170	The Vascular Biology of S-Nitrosothiols, Nitrosated Derivatives of Thiols. Vascular Medicine, 1996, 1, 25-33.	0.8	12
171	Endothelial Dysfunction and Atherothrombotic Occlusive Disease. Drugs, 1997, 54, 41-50.	4.9	12
172	A Celebration of Failure. Circulation, 2014, 129, 953-955.	1.6	12
173	Systems pharmacogenomics â€“ gene, disease, drug and placebo interactions: a case study in COMT. Pharmacogenomics, 2019, 20, 529-551.	0.6	12
174	Drugâ€Placebo Additivity in Randomized Clinical Trials. Clinical Pharmacology and Therapeutics, 2019, 106, 1191-1197.	2.3	11
175	The Network Medicine Imperative and the Need for an International Network Medicine Consortium. American Journal of Medicine, 2020, 133, e451-e454.	0.6	11
176	Diagnosis and Treatment of Right Heart Failure in Pulmonary Vascular Diseases: A National Heart, Lung, and Blood Institute Workshop. Circulation: Heart Failure, 2021, 14, .	1.6	11
177	Retinal Protection by Sustained Nanoparticle Delivery of Oncostatin M and Ciliary Neurotrophic Factor Into Rodent Models of Retinal Degeneration. Translational Vision Science and Technology, 2021, 10, 6.	1.1	11
178	Nitric Oxide Signaling and Atherothrombosis Redux. Circulation, 2018, 137, 233-236.	1.6	10
179	Early-pregnancy transcriptome signatures of preeclampsia: from peripheral blood to placenta. Scientific Reports, 2020, 10, 17029.	1.6	10
180	Importance of scientific collaboration in contemporary drug discovery and development: a detailed network analysis. BMC Biology, 2020, 18, 138.	1.7	10

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181	Network moduleâ€based drug repositioning for pulmonary arterial hypertension. CPT: Pharmacometrics and Systems Pharmacology, 2021, 10, 994-1005.	1.3	10
182	What Causes Hypertrophic Cardiomyopathy?. American Journal of Cardiology, 2022, 179, 74-82.	0.7	10
183	Categorizing biomedical research: the basics of translation. FASEB Journal, 2017, 31, 3210-3215.	0.2	9
184	Comprehensive network medicine-based drug repositioning via integration of therapeutic efficacy and side effects. Npj Systems Biology and Applications, 2022, 8, 12.	1.4	9
185	Pulmonary Comorbidity in Lung Cancer. Trends in Molecular Medicine, 2018, 24, 239-241.	3.5	8
186	Vascular control of platelet function. , 2002, , 432-456.		8
187	Genetic Determinants of Vascular Oxidant Stress and Endothelial Dysfunction. Congestive Heart Failure, 2005, 11, 73-79.	2.0	7
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