Anoop S V Shah

List of Publications by Year
in descending order

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241 papers	18,271 citations	13099 68 h-index	15732 125 g-index
264 all docs	264 docs citations	264 times ranked	23201 citing authors

#	Article	IF	Citations
1	The regulation of cardiac intermediary metabolism by NADPH oxidases. Cardiovascular Research, 2023, 118, 3305-3319.	3.8	11
2	Neuronal nitric oxide synthase regulates regional brain perfusion in healthy humans. Cardiovascular Research, 2022, 118, 1321-1329.	3.8	11
3	Impact of the COVID-19 pandemic on in-hospital mortality in cardiovascular disease: a meta-analysis. European Journal of Preventive Cardiology, 2022, 29, 1266-1274.	1.8	36
4	Association of coronary artery calcium score with qualitatively and quantitatively assessed adverse plaque on coronary CT angiography in the SCOT-HEART trial. European Heart Journal Cardiovascular Imaging, 2022, 23, 1210-1221.	1.2	21
5	The nexus between redox state and intermediary metabolism. FEBS Journal, 2022, 289, 5440-5462.	4.7	7
6	Systemic inflammation and oxidative stress contribute to acute kidney injury after transcatheter aortic valve implantation. Cardiology Journal, 2022, 29, 824-835.	1.2	8
7	Association of cardiometabolic microRNAs with COVID-19 severity and mortality. Cardiovascular Research, 2022, 118, 461-474.	3.8	51
8	A roadmap for the characterization of energy metabolism in human cardiomyocytes derived from induced pluripotent stem cells. Journal of Molecular and Cellular Cardiology, 2022, 164, 136-147.	1.9	16
9	Exposure to Elevated Nitrogen Dioxide Concentrations and Cardiac Remodeling in Patients With Dilated Cardiomyopathy. Journal of Cardiac Failure, 2022, 28, 924-934.	1.7	6
10	Overexpression of NOX2 Exacerbates AngII-Mediated Cardiac Dysfunction and Metabolic Remodelling. Antioxidants, 2022, 11, 143.	5.1	2
11	Nox2 underpins microvascular inflammation and vascular contributions to cognitive decline. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 1176-1191.	4.3	5
12	Unscheduled care pathways in patients with myocardial infarction in Scotland. Heart, 2022, , heartjnl-2021-320614.	2.9	2
13	Cardiac energetics in patients with chronic heart failure and iron deficiency: an <scp>inâ€vivoâ€‰³¹P</scp> magnetic resonance spectroscopy study. European Journal of Heart Failure, 2022, 24, 716-723.	7.1	14
14	18F-Sodium Fluoride Positron Emission Tomography and Computed Tomography in Acute Aortic Syndrome. JACC: Cardiovascular Imaging, 2022, 15, 1291-1304.	5.3	7
15	Prognostic Significance of Ventricular Arrhythmias in 13Â444 Patients With Acute Coronary Syndrome: A Retrospective Cohort Study Based on Routine Clinical Data (NIHR Health Informatics Collaborative) Tj ETQq1 1 0.784314 rgBT /Overlo	7.8	2
16	High-sensitivity cardiac troponin and the diagnosis of myocardial infarction in patients with kidney impairment. Kidney International, 2022, 102, 149-159.	5.2	9
17	The pathological maelstrom of COVID-19 and cardiovascular disease. , 2022, 1, 200-210.		14
18	Comparing the longer-term effectiveness of a single dose of the Pfizer-BioNTech and Oxford-AstraZeneca COVID-19 vaccines across the age spectrum. EClinicalMedicine, 2022, 46, 101344.	7.1	7

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19	Nrf2 attenuates the innate immune response after experimental myocardial infarction. Biochemical and Biophysical Research Communications, 2022, 606, 10-16.	2.1	4
20	Nitrate and nitrite contamination in drinking water and cancer risk: A systematic review with meta-analysis. Environmental Research, 2022, 210, 112988.	7.5	107
21	Cardiovascular outcomes associated with treatment of type 2 diabetes in patients with ischaemic heart failure. ESC Heart Failure, 2022, , .	3.1	2
22	Pericoronary Adipose Tissue Attenuation, Low-Attenuation Plaque Burden, and 5-Year Risk of Myocardial Infarction. JACC: Cardiovascular Imaging, 2022, 15, 1078-1088.	5.3	46
23	Validation of the myocardial-ischaemic-injury-index machine learning algorithm to guide the diagnosis of myocardial infarction in a heterogenous population: a prespecified exploratory analysis. The Lancet Digital Health, 2022, 4, e300-e308.	12.3	18
24	Mortality risk prediction of high-sensitivity C-reactive protein in suspected acute coronary syndrome: A cohort study. PLoS Medicine, 2022, 19, e1003911.	8.4	21
25	Implications of elevated troponin on time-to-surgery in non-ST elevation myocardial infarction (NIHR) Tj ETQq1 1 0.784314 rgBT /Ove	1.7	1
26	Hepatosteatosis and Atherosclerotic Plaque at Coronary CT Angiography. Radiology: Cardiothoracic Imaging, 2022, 4, e210260.	2.5	6
27	MIRACLE2 Score and SCAI Grade to Identify Patients With Out-of-Hospital Cardiac Arrest for Immediate CoronaryÂAngiography. JACC: Cardiovascular Interventions, 2022, 15, 1074-1084.	2.9	21
28	Interaction Between Race, Ethnicity, Severe Mental Illness, and Cardiovascular Disease. Journal of the American Heart Association, 2022, 11, .	3.7	6
29	Cardiovascular risk factors and markers of myocardial injury and inflammation in people living with HIV in Nairobi, Kenya: a pilot cross-sectional study. BMJ Open, 2022, 12, e062352.	1.9	2
30	Assessment of Oxygen Supply-Demand Imbalance and Outcomes Among Patients With Type 2 Myocardial Infarction. JAMA Network Open, 2022, 5, e2220162.	5.9	6
31	Performance of the GRACE 2.0 score in patients with type 1 and type 2 myocardial infarction. European Heart Journal, 2021, 42, 2552-2561.	2.2	45
32	CYBB/NOX2 in conventional DCs controls T cell encephalitogenicity during neuroinflammation. Autophagy, 2021, 17, 1244-1258.	9.1	39
33	Fibroblast Nox2 (NADPH Oxidase-2) Regulates ANG II (Angiotensin II)â€“Induced Vascular Remodeling and Hypertension via Paracrine Signaling to Vascular Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 698-710.	2.4	24
34	Ten Years of High-Sensitivity Cardiac Troponin Testing: Impact on the Diagnosis of Myocardial Infarction. Clinical Chemistry, 2021, 67, 324-326.	3.2	1
35	Estimates of the global burden of cervical cancer associated with HIV. The Lancet Global Health, 2021, 9, e161-e169.	6.3	319
36	A Proteomics-Based Assessment of Inflammation Signatures in Endotoxemia. Molecular and Cellular Proteomics, 2021, 20, 100021.	3.8	5

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37	NADPH oxidase-4 promotes eccentric cardiac hypertrophy in response to volume overload. Cardiovascular Research, 2021, 117, 178-187.	3.8	24
38	Inducibility, but not stability, of atrial fibrillation is increased by NOX2 overexpression in mice. Cardiovascular Research, 2021, 117, 2354-2364.	3.8	18
39	Evaluation and improvement of the National Early Warning Score (NEWS2) for COVID-19: a multi-hospital study. BMC Medicine, 2021, 19, 23.	5.5	80
40	Endothelial NADPH oxidase 4 protects against angiotensin IIâ€induced cardiac fibrosis and inflammation. ESC Heart Failure, 2021, 8, 1427-1437.	3.1	12
41	An update on the roles of immune system-derived microRNAs in cardiovascular diseases. Cardiovascular Research, 2021, 117, 2434-2449.	3.8	7
42	X-box binding protein 1â€“mediated COL4A1s secretion regulates communication between vascular smooth muscle and stem/progenitor cells. Journal of Biological Chemistry, 2021, 296, 100541.	3.4	10
43	Excess deaths in people with cardiovascular diseases during the COVID-19 pandemic. European Journal of Preventive Cardiology, 2021, 28, 1599-1609.	1.8	93
44	Iron derived from autophagy-mediated ferritin degradation induces cardiomyocyte death and heart failure in mice. ELife, 2021, 10, .	6.0	60
45	Sharing a household with children and risk of COVID-19: a study of over 300 000 adults living in healthcare worker households in Scotland. Archives of Disease in Childhood, 2021, 106, 1212-1217.	1.9	36
46	Drugs that inhibit TMEM16 proteins block SARS-CoV-2 spike-induced syncytia. Nature, 2021, 594, 88-93.	27.8	293
47	Biological responses to COVID-19: Insights from physiological and blood biomarker profiles. Current Research in Translational Medicine, 2021, 69, 103276.	1.8	7
48	CardiOvaScular Mechanisms In Covid-19: methodology of a prospective observational multimodality imaging study (COSMIC-19 study). BMC Cardiovascular Disorders, 2021, 21, 234.	1.7	9
49	The Ambulance Cardiac Chest Pain Evaluation in Scotland Study (ACCESS): A Prospective Cohort Study. Annals of Emergency Medicine, 2021, 77, 575-588.	0.6	14
50	182â€…Tissue doppler Eâ€™ velocity and E/eâ€™ predict 19-year cardiovascular mortality in hypertension. , 2021, , .		0
51	155â€…Pericoronary adipose tissue attenuation, low attenuation plaque burden and 5-year risk of myocardial infarction. , 2021, , .		0
52	High-Sensitivity Cardiac Troponin on Presentation to Rule Out Myocardial Infarction: A Stepped-Wedge Cluster Randomized Controlled Trial. Circulation, 2021, 143, 2214-2224.	1.6	80
53	SARS-CoV-2 RNAemia and proteomic trajectories inform prognostication in COVID-19 patients admitted to intensive care. Nature Communications, 2021, 12, 3406.	12.8	122
54	Pre-existing cardiovascular disease rather than cardiovascular risk factors drives mortality in COVID-19. BMC Cardiovascular Disorders, 2021, 21, 327.	1.7	22

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55	Observed and expected serious adverse event rates in randomised clinical trials for hypertension: an observational study comparing trials that do and do not focus on older people. The Lancet Healthy Longevity, 2021, 2, e398-e406.	4.6	11
56	Duration of dual antiplatelet therapy and stability of coronary heart disease: a 60 000-patient meta-analysis of randomised controlled trials. Open Heart, 2021, 8, e001707.	2.3	4
57	Sex Differences in Cardiac Troponin I and T and the Prediction of Cardiovascular Events in the General Population. Clinical Chemistry, 2021, 67, 1351-1360.	3.2	30
58	Direct cardiac versus systemic effects of inorganic nitrite on human left ventricular function. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H175-H184.	3.2	2
59	Clinical burden, risk factor impact and outcomes following myocardial infarction and stroke: A 25-year individual patient level linkage study. Lancet Regional Health - Europe, The, 2021, 7, 100141.	5.6	18
60	Effect of Vaccination on Transmission of SARS-CoV-2. New England Journal of Medicine, 2021, 385, 1718-1720.	27.0	150
61	Nox2-deficient Tregs improve heart transplant outcomes via their increased graft recruitment and enhanced potency. JCI Insight, 2021, 6, .	5.0	6
62	Untangling the pathophysiologic link between coronary microvascular dysfunction and heart failure with preserved ejection fraction. European Heart Journal, 2021, 42, 4431-4441.	2.2	39
63	Use of High-Sensitivity Cardiac Troponin in Patients With Kidney Impairment. JAMA Internal Medicine, 2021, 181, 1237.	5.1	9
64	Sex-Specific Computed Tomography Coronary Plaque Characterization and Risk of Myocardial Infarction. JACC: Cardiovascular Imaging, 2021, 14, 1804-1814.	5.3	28
65	Effect of Percutaneous Left Ventricular Unloading on Coronary Flow and Cardiac Coronary Coupling in Patients Undergoing High-Risk Percutaneous Coronary Intervention. Circulation: Cardiovascular Interventions, 2021, 14, e010454.	3.9	2
66	The hydrogen-peroxide producing NADPH oxidase 4 does not limit neointima development after vascular injury in mice. Redox Biology, 2021, 45, 102050.	9.0	7
67	Infective Endocarditis Hospitalizations and Outcomes in Patients With Endâ€Stage Kidney Disease: A Nationwide Dataâ€Linkage Study. Journal of the American Heart Association, 2021, 10, e022002.	3.7	5
68	Longâ€term outcomes after heart failure hospitalization during the COVIDâ€19 pandemic: a multisite report from heart failure referral centers in London. ESC Heart Failure, 2021, 8, 4701-4704.	3.1	14
69	The Impact of Vendor-Specific Ultrasound Beam-Forming and Processing Techniques on the Visualization of InÂVitro Experimental â€œScarâ€ Implications for Myocardial Scar Imaging Using Two-Dimensional and Three-Dimensional Echocardiography. Journal of the American Society of Echocardiography, 2021, 34, 1095-1105.e6.	2.8	2
70	Prevalence and clinical implications of valvular calcification on coronary computed tomography angiography. European Heart Journal Cardiovascular Imaging, 2021, 22, 262-270.	1.2	19
71	Targeted deletion of nicotinamide adenine dinucleotide phosphate oxidase 4Âfrom proximal tubules is dispensable for diabetic kidney disease development. Nephrology Dialysis Transplantation, 2021, 36, 988-997.	0.7	9
72	Association of social containment on ST-segment elevation myocardial infarction presentations during the COVID-19 pandemic. Coronary Artery Disease, 2021, 32, 1-3.	0.7	2

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73	A sex-specific prediction model is not enough to achieve equality for women in preventative cardiovascular medicine. European Heart Journal, 2021, , .	2.2	2
74	NF-Î²B activation in cardiac fibroblasts results in the recruitment of inflammatory Ly6C ^{hi} monocytes in pressure-overloaded hearts. Science Signaling, 2021, 14, eabe4932.	3.6	13
75	Physical, cognitive, and mental health impacts of COVID-19 after hospitalisation (PHOSP-COVID): a UK multicentre, prospective cohort study. Lancet Respiratory Medicine,the, 2021, 9, 1275-1287.	10.7	394
76	Endothelial Nox2 Limits Systemic Inflammation and Hypotension in Endotoxemia by Controlling Expression of Toll-Like Receptor 4. Shock, 2021, 56, 268-277.	2.1	4
77	Serial troponin measurements to monitor risk and response to endothelin A antagonism in chronic kidney disease. Nephrology Dialysis Transplantation, 2021, 36, 375-377.	0.7	1
78	Implementation of an early rule-out pathway for myocardial infarction using a high-sensitivity cardiac troponin T assay. Open Heart, 2021, 8, e001769.	2.3	7
79	Cardiovascular health and risk of hospitalization with COVID-19: A Mendelian Randomization study. JRSM Cardiovascular Disease, 2021, 10, 204800402110593.	0.7	5
80	Clinical Significance of Early Echocardiographic Changes after Resuscitated Out-of-Hospital Cardiac Arrest. Resuscitation, 2021, , .	3.0	5
81	High-sensitivity cardiac troponin: a double-edged sword. European Heart Journal Quality of Care & Clinical Outcomes, 2020, 6, 3-4.	4.0	2
82	High-Sensitivity Cardiac Troponin and the Universal Definition of Myocardial Infarction. Circulation, 2020, 141, 161-171.	1.6	124
83	Standardized reporting systems for computed tomography coronary angiography and calcium scoring: A real-world validation of CAD-RADS and CAC-DRS in patients with stable chest pain. Journal of Cardiovascular Computed Tomography, 2020, 14, 3-11.	1.3	31
84	Ticagrelor to Reduce Myocardial Injury inÂPatients With High-Risk Coronary Artery Plaque. JACC: Cardiovascular Imaging, 2020, 13, 1549-1560.	5.3	26
85	A histone deacetylase 7-derived peptide promotes vascular regeneration via facilitating 14-3-3Î³ phosphorylation. Stem Cells, 2020, 38, 556-573.	3.2	10
86	Klotho regulation by albuminuria is dependent on ATF3 and endoplasmic reticulum stress. FASEB Journal, 2020, 34, 2087-2104.	0.5	19
87	Sex associations and computed tomography coronary angiography-guided management in patients with stable chest pain. European Heart Journal, 2020, 41, 1337-1345.	2.2	28
88	Celastrol Alleviates Aortic Valve Calcification Via Inhibition of NADPH Oxidase 2 in Valvular Interstitial Cells. JACC Basic To Translational Science, 2020, 5, 35-49.	4.1	31
89	Cardiac monocytes and macrophages after myocardial infarction. Cardiovascular Research, 2020, 116, 1101-1112.	3.8	263
90	Inflammatory and cardiovascular diseases biomarkers in chronic hepatitis C virus infection: A review. Clinical Cardiology, 2020, 43, 222-234.	1.8	18

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91	Effect of Exercise Intensity and Duration on Cardiac Troponin Release. Circulation, 2020, 141, 83-85.	1.6	26
92	Monitoring indirect impact of COVID-19 pandemic on services for cardiovascular diseases in the UK. Heart, 2020, 106, 1890-1897.	2.9	90
93	Tissue Doppler-Derived Left Ventricular Systolic Velocity Is Associated with Lethal Arrhythmias in Cardiac Device Recipients Irrespective of Left Ventricular Ejection Fraction. Journal of the American Society of Echocardiography, 2020, 33, 1509-1516.	2.8	1
94	Adverse health effects associated with household air pollution: a systematic review, meta-analysis, and burden estimation study. The Lancet Global Health, 2020, 8, e1427-e1434.	6.3	234
95	In vivo [U-¹³C]glucose labeling to assess heart metabolism in murine models of pressure and volume overload. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H422-H431.	3.2	22
96	A practical risk score for early prediction of neurological outcome after out-of-hospital cardiac arrest: MIRACLE2. European Heart Journal, 2020, 41, 4508-4517.	2.2	74
97	Risk of hospital admission with coronavirus disease 2019 in healthcare workers and their households: nationwide linkage cohort study. BMJ, The, 2020, 371, m3582.	6.0	261
98	Walking the tightrope: cardiovascular risk prediction in patients after acute coronary syndrome. Heart, 2020, 106, 484-486.	2.9	0
99	Do age, period or cohort effects explain circulatory disease mortality trends, Scotland 1974â€“2015?. Heart, 2020, 106, 584-589.	2.9	4
100	Temporal trends in decompensated heart failure and outcomes during <scp>COVID</scp>â€19: a multisite report from heart failure referral centres in <scp>London</scp>. European Journal of Heart Failure, 2020, 22, 2219-2224.	7.1	86
101	Invasive versus non-invasive management of older patients with non-ST elevation myocardial infarction (SENIOR-NSTEMI): a cohort study based on routine clinical data. Lancet, The, 2020, 396, 623-634.	13.7	65
102	Nitric Oxide Synthase Inhibitors into the Clinic at Last. Handbook of Experimental Pharmacology, 2020, 264, 169-204.	1.8	10
103	Ex vivo 18F-fluoride uptake and hydroxyapatite deposition in human coronary atherosclerosis. Scientific Reports, 2020, 10, 20172.	3.3	15
104	Enriched conditioning expands the regenerative ability of sensory neurons after spinal cord injury via neuronal intrinsic redox signaling. Nature Communications, 2020, 11, 6425.	12.8	37
105	Exploring Patient Experience of Chest Pain BeforeÂand After Implementation of an Early Rule-Out Pathway for Myocardial Infarction: AÂQualitative Study. Annals of Emergency Medicine, 2020, 75, 502-513.	0.6	10
106	A case-control and cohort study to determine the relationship between ethnic background and severe COVID-19. EClinicalMedicine, 2020, 28, 100574.	7.1	48
107	Coronary ¹⁸ F-Fluoride Uptake and Progression of Coronary Artery Calcification. Circulation: Cardiovascular Imaging, 2020, 13, e011438.	2.6	43
108	We all breathe the same air â€¦ and we are all mortal. Cardiovascular Research, 2020, 116, 1797-1799.	3.8	14

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109	The impact of <scp>COVID</scp>â€19 on heart failure hospitalization and management: report from a Heart Failure Unit in London during the peak of the pandemic. European Journal of Heart Failure, 2020, 22, 978-984.	7.1	156
110	Angiotensinâ€converting enzyme inhibitors and angiotensin II receptor blockers are not associated with severe <scp>COVIDâ€19</scp> infection in a multiâ€site <scp>UK</scp> acute hospital trust. European Journal of Heart Failure, 2020, 22, 967-974.	7.1	163
111	A clinical risk score to identify patients with COVID-19 at high risk of critical care admission or death: An observational cohort study. Journal of Infection, 2020, 81, 282-288.	3.3	179
112	Incidence, Microbiology, and Outcomes in Patients Hospitalized With Infective Endocarditis. Circulation, 2020, 141, 2067-2077.	1.6	90
113	Nitric oxide fine-tunes NHE1 to control cardiomyocyte pH. Cardiovascular Research, 2020, 116, 1925-1926.	3.8	0
114	Low-Attenuation Noncalcified Plaque on Coronary Computed Tomography Angiography Predicts Myocardial Infarction. Circulation, 2020, 141, 1452-1462.	1.6	348
115	Prognostic significance of troponin level in 3121 patients presenting with atrial fibrillation (The NIHR) Tj ETQq1 1 0.784314 rgBT /Ove e013684.	3.7	16
116	Acute heart failure. Nature Reviews Disease Primers, 2020, 6, 16.	30.5	237
117	Short-term exposure to carbon monoxide and myocardial infarction: A systematic review and meta-analysis. Environment International, 2020, 143, 105901.	10.0	39
118	NADPH Oxidase 2 Mediates Myocardial Oxygen Wasting in Obesity. Antioxidants, 2020, 9, 171.	5.1	10
119	Pkm2 Regulates Cardiomyocyte Cell Cycle and Promotes Cardiac Regeneration. Circulation, 2020, 141, 1249-1265.	1.6	147
120	Beyond bacterial killing: NADPH oxidase 2 is an immunomodulator. Immunology Letters, 2020, 221, 39-48.	2.5	32
121	Risk Stratification Using High-Sensitivity Cardiac Troponin T in Patients With Suspected Acute Coronary Syndrome. Journal of the American College of Cardiology, 2020, 75, 985-987.	2.8	15
122	Cytokine mRNA Degradation in Cardiomyocytes Restrains Sterile Inflammation in Pressure-Overloaded Hearts. Circulation, 2020, 141, 667-677.	1.6	26
123	COVID-19 â€“ exploring the implications of long-term condition type and extent of multimorbidity on years of life lost: a modelling study. Wellcome Open Research, 2020, 5, 75.	1.8	46
124	Cardiovascular disease, heart failure and COVID-19. JRAAS - Journal of the Renin-Angiotensin-Aldosterone System, 2020, 21, 147032032092690.	1.7	8
125	COVID-19 â€“ exploring the implications of long-term condition type and extent of multimorbidity on years of life lost: a modelling study. Wellcome Open Research, 2020, 5, 75.	1.8	85
126	Nox4 regulates InsP ₃ receptorâ€dependent Ca ²⁺ release into mitochondria to promote cell survival. EMBO Journal, 2020, 39, e103530.	7.8	49

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127	Novel high-sensitivity cardiac troponin I assay in patients with suspected acute coronary syndrome. Heart, 2019, 105, heartjnl-2018-314093.	2.9	38
128	Molecular Coronary Plaque Imaging Using ¹⁸ F-Fluoride. Circulation: Cardiovascular Imaging, 2019, 12, e008574.	2.6	36
129	Machine Learning to Predict the Likelihood of Acute Myocardial Infarction. Circulation, 2019, 140, 899-909.	1.6	128
130	Presenting Symptoms in Men and Women Diagnosed With Myocardial Infarction Using Sexâ€Specific Criteria. Journal of the American Heart Association, 2019, 8, e012307.	3.7	81
131	Global burden of atherosclerotic cardiovascular disease in people with hepatitis C virus infection: a systematic review, meta-analysis, and modelling study. The Lancet Gastroenterology and Hepatology, 2019, 4, 794-804.	8.1	68
132	Assessing the role of extracellular signalâ€regulated kinases 1 and 2 in volume overloadâ€induced cardiac remodelling. ESC Heart Failure, 2019, 6, 1015-1026.	3.1	5
133	Application of High-Sensitivity Troponin in Suspected Myocardial Infarction. New England Journal of Medicine, 2019, 380, 2529-2540.	27.0	230
134	Guiding Therapy by Coronary CT Angiography Improves Outcomes in Patients With StableÂChest Pain. Journal of the American College of Cardiology, 2019, 74, 2058-2070.	2.8	99
135	A machine learning approach for the prediction of pulmonary hypertension. PLoS ONE, 2019, 14, e0224453.	2.5	49
136	Sex-Specific Thresholds of High-Sensitivity Troponin in Patients With Suspected Acute Coronary Syndrome. Journal of the American College of Cardiology, 2019, 74, 2032-2043.	2.8	84
137	High-Sensitivity Troponin and the Application of Risk Stratification Thresholds in Patients With Suspected Acute Coronary Syndrome. Circulation, 2019, 140, 1557-1568.	1.6	79
138	Coronary Artery Plaque Characteristics Associated With Adverse Outcomes inÂthe SCOT-HEART Study. Journal of the American College of Cardiology, 2019, 73, 291-301.	2.8	367
139	Single-cell transcriptome analyses reveal novel targets modulating cardiac neovascularization by resident endothelial cells following myocardial infarction. European Heart Journal, 2019, 40, 2507-2520.	2.2	149
140	Clinical determinants of plasma cardiac biomarkers in patients with stable chest pain. Heart, 2019, 105, 1748-1754.	2.9	4
141	Oxidation of PKGIÎ± mediates an endogenous adaptation to pulmonary hypertension. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13016-13025.	7.1	12
142	Blood Pressureâ€“Lowering by the Antioxidant Resveratrol Is Counterintuitively Mediated by Oxidation of cGMP-Dependent Protein Kinase. Circulation, 2019, 140, 126-137.	1.6	57
143	Left Ventricular Thrombus After Primary PCI for ST-Elevation Myocardial Infarction: 1-Year Clinical Outcomes. American Journal of Medicine, 2019, 132, 964-969.	1.5	14
144	Cardiac Troponin T and Troponin I in the General Population. Circulation, 2019, 139, 2754-2764.	1.6	200

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145	Incidence and outcomes of unstable angina compared with non-ST-elevation myocardial infarction. Heart, 2019, 105, 1423-1431.	2.9	42
146	Cardioprotective Effect of the Mitochondrial Unfolded Protein Response During Chronic Pressure Overload. Journal of the American College of Cardiology, 2019, 73, 1795-1806.	2.8	97
147	The continuous heart failure spectrum: moving beyond an ejection fraction classification. European Heart Journal, 2019, 40, 2155-2163.	2.2	195
148	Paracrine Mechanisms of Redox Signalling for Postmitotic Cell and Tissue Regeneration. Trends in Cell Biology, 2019, 29, 514-530.	7.9	13
149	Effect of Iron Isomaltoside on Skeletal Muscle Energetics in Patients With Chronic Heart Failure and Iron Deficiency. Circulation, 2019, 139, 2386-2398.	1.6	106
150	144â€...High-sensitivity cardiac troponin and the fourth universal definition of myocardial infarction. , 2019, , .		1
151	Convalescent troponin and cardiovascular death following acute coronary syndrome. Heart, 2019, 105, 1717-1724.	2.9	11
152	Association of troponin level and age with mortality in 250â€‰000 patients: cohort study across five UK acute care centres. BMJ, The, 2019, 367, l6055.	6.0	45
153	Prevalence, Determinants, and Clinical Associations of High-Sensitivity Cardiac Troponin in Patients Attending Emergency Departments. American Journal of Medicine, 2019, 132, 110.e8-110.e21.	1.5	42
154	Global Adoption of High-Sensitivity Cardiac Troponins and the Universal Definition of Myocardial Infarction. Clinical Chemistry, 2019, 65, 484-489.	3.2	76
155	RORÎ± nuclear receptors in protection against angiotensin II-induced cardiac hypertrophy. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H357-H359.	3.2	2
156	High-Sensitivity Cardiac Troponin I Levels in Normal and Hypertensive Pregnancy. American Journal of Medicine, 2019, 132, 362-366.	1.5	28
157	Prelamin A mediates myocardial inflammation in dilated and HIV-associated cardiomyopathies. JCI Insight, 2019, 4, .	5.0	28
158	NADPH oxidase 4 and its role in the cardiovascular system. Vascular Biology (Bristol, England), 2019, 1, H59-H66.	3.2	21
159	High-Sensitivity Cardiac Troponin I and the Diagnosis of Coronary Artery Disease in Patients With Suspected Angina Pectoris. Circulation: Cardiovascular Quality and Outcomes, 2018, 11, e004227.	2.2	41
160	High-sensitivity cardiac troponin I and risk of heart failure in patients with suspected acute coronary syndrome: a cohort study. European Heart Journal Quality of Care & Clinical Outcomes, 2018, 4, 36-42.	4.0	28
161	18Fâ€“Sodium Fluoride Uptake in AbdominalÂAortic Aneurysms. Journal of the American College of Cardiology, 2018, 71, 513-523.	2.8	122
162	Molecular imaging of cardiac remodelling after myocardial infarction. Basic Research in Cardiology, 2018, 113, 10.	5.9	88

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163	Adverse prognosis associated with asymmetric myocardial thickening in aortic stenosis. European Heart Journal Cardiovascular Imaging, 2018, 19, 347-356.	1.2	23
164	Classical and Paradoxical Low-Flow Low-Gradient Aortic Stenosis: A Heart Failure Perspective. Structural Heart, 2018, 2, 3-9.	0.6	2
165	High-Sensitivity Cardiac Troponin and the Risk Stratification of Patients With Renal Impairment Presenting With Suspected Acute Coronary Syndrome. Circulation, 2018, 137, 425-435.	1.6	74
166	Diagnostic and prognostic benefits of computed tomography coronary angiography using the 2016 National Institute for Health and Care Excellence guidance within a randomised trial. Heart, 2018, 104, 207-214.	2.9	41
167	Cardiac myosin-binding protein C is a novel marker of myocardial injury and fibrosis in aortic stenosis. Heart, 2018, 104, 1101-1108.	2.9	15
168	Long-Term Outcomes in Patients With Type 2 Myocardial Infarction and Myocardial Injury. Circulation, 2018, 137, 1236-1245.	1.6	250
169	FKBP8 protects the heart from hemodynamic stress by preventing the accumulation of misfolded proteins and endoplasmic reticulum-associated apoptosis in mice. Journal of Molecular and Cellular Cardiology, 2018, 114, 93-104.	1.9	35
170	Drug treatment effects on outcomes in heart failure with preserved ejection fraction: a systematic review and meta-analysis. Heart, 2018, 104, 407-415.	2.9	107
171	Simultaneous Assessment of Cardiac Inflammation and Extracellular Matrix Remodeling After Myocardial Infarction. Circulation: Cardiovascular Imaging, 2018, 11, .	2.6	30
172	High-Sensitivity Cardiac Troponin I and Clinical Risk Scores in Patients With Suspected Acute Coronary Syndrome. Circulation, 2018, 138, 1654-1665.	1.6	92
173	Global Burden of Atherosclerotic Cardiovascular Disease in People Living With HIV. Circulation, 2018, 138, 1100-1112.	1.6	541
174	Modelling the complexity of heart failure with preserved ejection fraction. Cardiovascular Research, 2018, 114, 919-921.	3.8	5
175	Comparison between High-Sensitivity Cardiac Troponin T and Cardiac Troponin I in a Large General Population Cohort. Clinical Chemistry, 2018, 64, 1607-1616.	3.2	101
176	Coronary CT Angiography and 5-Year Risk of Myocardial Infarction. New England Journal of Medicine, 2018, 379, 924-933.	27.0	898
177	High-sensitivity troponin in the evaluation of patients with suspected acute coronary syndrome: a stepped-wedge, cluster-randomised controlled trial. Lancet, The, 2018, 392, 919-928.	13.7	263
178	Nox2 in regulatory T cells promotes angiotensin Iiâ€“induced cardiovascular remodeling. Journal of Clinical Investigation, 2018, 128, 3088-3101.	8.2	46
179	Air Pollution and Stroke. Journal of Stroke, 2018, 20, 2-11.	3.2	139
180	Myocardial NADPH oxidase-4 regulates the physiological response to acute exercise. ELife, 2018, 7, .	6.0	44

#	Article	IF	Citations
181	High-Sensitivity Troponin I Is Associated WithÂHigh-Risk Plaque and MACE in StableÂCoronary Artery Disease. JACC: Cardiovascular Imaging, 2017, 10, 1200-1203.	5.3	11
182	Symptoms and quality of life in patients with suspected angina undergoing CT coronary angiography: a randomised controlled trial. Heart, 2017, 103, 995-1001.	2.9	40
183	Blood Pressure in Healthy Humans Is Regulated by Neuronal NO Synthase. Hypertension, 2017, 69, 970-976.	2.7	31
184	Cardiac Biomarkers and the Diagnosis of Myocardial Infarction in Women. Current Cardiology Reports, 2017, 19, 40.	2.9	27
185	A Novel Î±-Calcitonin Gene-Related Peptide Analogue Protects Against End-Organ Damage in Experimental Hypertension, Cardiac Hypertrophy, and Heart Failure. Circulation, 2017, 136, 367-383.	1.6	83
186	Fire Simulation and Cardiovascular Health in Firefighters. Circulation, 2017, 135, 1284-1295.	1.6	62
187	Distinct Regulatory Effects of Myeloid Cell and Endothelial Cell NAPDH Oxidase 2 on Blood Pressure. Circulation, 2017, 135, 2163-2177.	1.6	49
188	Selective Enhancement of Insulin Sensitivity in the Endothelium In Vivo Reveals a Novel Proatherosclerotic Signaling Loop. Circulation Research, 2017, 120, 784-798.	4.5	33
189	Comparison of the Efficacy and Safety of Early Rule-Out Pathways for Acute Myocardial Infarction. Circulation, 2017, 135, 1586-1596.	1.6	153
190	Rapid Rule-Out of Acute Myocardial Injury Using a Single High-Sensitivity Cardiac Troponin I Measurement. Clinical Chemistry, 2017, 63, 369-376.	3.2	45
191	Appropriate Use of High-Sensitivity Cardiac Troponin Levels in Patients With Suspected Acute Myocardial Infarction. JAMA Cardiology, 2017, 2, 228.	6.1	9
192	Aortic Wall Inflammation Predicts Abdominal Aortic Aneurysm Expansion, Rupture, and Need for Surgical Repair. Circulation, 2017, 136, 787-797.	1.6	122
193	Reduced First-Phase Ejection Fraction and Sustained Myocardial Wall Stress in Hypertensive Patients With Diastolic Dysfunction. Hypertension, 2017, 69, 633-640.	2.7	51
194	Association of High-Sensitivity Cardiac Troponin I Concentration With Cardiac Outcomes in Patients With Suspected Acute Coronary Syndrome. JAMA - Journal of the American Medical Association, 2017, 318, 1913.	7.4	188
195	Hypoxia induces heart regeneration in adult mice. Nature, 2017, 541, 222-227.	27.8	566
196	58â€…Optimal risk stratification pathways for patients with suspected acute coronary syndrome. Heart, 2017, 103, A44.2-A45.	2.9	0
197	Patient selection for high sensitivity cardiac troponin testing and diagnosis of myocardial infarction: prospective cohort study. BMJ: British Medical Journal, 2017, 359, j4788.	2.3	92
198	Risk of Cardiovascular Disease Due to Chronic Hepatitis C Infection: A Review. Journal of Clinical and Translational Hepatology, 2017, 5, 1-20.	1.4	68

#	Article	IF	Citations
199	Myocardial inflammation, injury and infarction during on-pump coronary artery bypass graft surgery. Journal of Cardiothoracic Surgery, 2017, 12, 115.	1.1	29
200	Temporal Relationship between Cardiac Myosin-Binding Protein C and Cardiac Troponin I in Type 1 Myocardial Infarction. Clinical Chemistry, 2016, 62, 1153-1155.	3.2	15
201	High-Sensitivity Cardiac Troponin, StatinÂTherapy, and Risk of CoronaryÂHeartÂDisease. Journal of the American College of Cardiology, 2016, 68, 2719-2728.	2.8	199
202	Use of Coronary Computed Tomographic Angiography to Guide Management of Patients With Coronary Disease. Journal of the American College of Cardiology, 2016, 67, 1759-1768.	2.8	274
203	Measurement of cardiac troponin for exclusion of myocardial infarction â€“ Authors' reply. Lancet, The, 2016, 387, 2289-2291.	13.7	6
204	Glycoproteomics Reveals Decorin Peptides With Anti-Myostatin Activity in Human Atrial Fibrillation. Circulation, 2016, 134, 817-832.	1.6	43
205	Redox Imaging Using Cardiac Myocyte-Specific Transgenic Biosensor Mice. Circulation Research, 2016, 119, 1004-1016.	4.5	38
206	Response: a novel troponin I rule-out value below the upper reference limit for acute myocardial infarction. Heart, 2016, 102, 1772-1772.	2.9	0
207	Assessing risk following ST-segment elevation myocardial infarction: cardiac troponin or cardiac magnetic resonance imaging?. European Heart Journal Quality of Care & Clinical Outcomes, 2016, 2, 141-143.	4.0	0
208	Mutual Regulation of Epicardial Adipose Tissue and Myocardial Redox State by PPAR-Î³/Adiponectin Signalling. Circulation Research, 2016, 118, 842-855.	4.5	132
209	A clinical risk score of myocardial fibrosis predicts adverse outcomes in aortic stenosis. European Heart Journal, 2016, 37, 713-723.	2.2	90
210	High-sensitivity troponin and novel biomarkers for the early diagnosis of non-ST-segment elevation myocardial infarction in patients with atrial fibrillation. European Heart Journal: Acute Cardiovascular Care, 2016, 5, 419-427.	1.0	14
211	Ambient Particles and Cerebrovascular Disease. Oxidative Stress in Applied Basic Research and Clinical Practice, 2016, , 133-160.	0.4	3
212	High sensitivity cardiac troponin and the under-diagnosis of myocardial infarction in women: prospective cohort study. BMJ, The, 2015, 350, g7873.	6.0	338
213	Short term exposure to air pollution and stroke: systematic review and meta-analysis. BMJ, The, 2015, 350, h1295.	6.0	558
214	Sensitive Troponin Assay and the Classification of Myocardial Infarction. American Journal of Medicine, 2015, 128, 493-501.e3.	1.5	134
215	Assessment of Myocardial Remodeling Using an Elastin/Tropoelastin Specific Agent with High Field Magnetic Resonance Imaging (MRI). Journal of the American Heart Association, 2015, 4, e001851.	3.7	34
216	High-sensitivity cardiac troponin I at presentation in patients with suspected acute coronary syndrome: a cohort study. Lancet, The, 2015, 386, 2481-2488.	13.7	422

#	Article	IF	Citations
217	Impaired vascular function and repair in patients with premature coronary artery disease. European Journal of Preventive Cardiology, 2015, 22, 1557-1566.	1.8	11
218	Systemic Atherosclerotic Inflammation Following Acute Myocardial Infarction: Myocardial Infarction Begets Myocardial Infarction. Journal of the American Heart Association, 2015, 4, e001956.	3.7	69
219	Pulmonary Haemodynamics in Sickle Cell Disease Are Driven Predominantly by a High-Output State Rather Than Elevated Pulmonary Vascular Resistance: A Prospective 3-Dimensional Echocardiography/Doppler Study. PLoS ONE, 2015, 10, e0135472.	2.5	24
220	Less clarity as the fog begins to lift. Heart, 2014, 100, 1073-1074.	2.9	5
221	Systematic review and meta-analysis of out-of-hospital cardiac arrest and race or ethnicity: black US populations fare worse. European Journal of Preventive Cardiology, 2014, 21, 619-638.	1.8	79
222	Controlled Exposures to Air Pollutants and Risk of Cardiac Arrhythmia. Environmental Health Perspectives, 2014, 122, 747-753.	6.0	35
223	High-sensitivity troponin I concentrations are a marker of an advanced hypertrophic response and adverse outcomes in patients with aortic stenosis. European Heart Journal, 2014, 35, 2312-2321.	2.2	193
224	Effect of wood smoke exposure on vascular function and thrombus formation in healthy fire fighters. Particle and Fibre Toxicology, 2014, 11, 62.	6.2	28
225	27â€...Fire Simulation Exposure Causes Impairment of Endothelial Function and Increased Thrombogenicity in Healthy Firefighters. Heart, 2014, 100, A14.2-A15.	2.9	0
226	Left Ventricular Hypertrophy With Strain and Aortic Stenosis. Circulation, 2014, 130, 1607-1616.	1.6	116
227	Diagnosis of myocardial infarction: Cardiac troponin I or troponin T?. Clinical Biochemistry, 2014, 47, 319-320.	1.9	5
228	18F-fluoride positron emission tomography for identification of ruptured and high-risk coronary atherosclerotic plaques: a prospective clinical trial. Lancet, The, 2014, 383, 705-713.	13.7	804
229	Global association of air pollution and heart failure: a systematic review and meta-analysis. Lancet, The, 2013, 382, 1039-1048.	13.7	929
230	Nanoparticles and the cardiovascular system: a critical review. Nanomedicine, 2013, 8, 403-423.	3.3	91
231	High sensitivity cardiac troponin in patients with chest pain. BMJ, The, 2013, 347, f4222-f4222.	6.0	25
232	High-sensitivity troponin assays and the early rule-out of acute myocardial infarction. Heart, 2013, 99, 1549-1550.	2.9	3
233	Periprocedural type IVa myocardial infarction and the importance of platelet inhibition. Heart, 2013, 99, 1225-1226.	2.9	1
234	Ultrasmall Superparamagnetic Particles of Iron Oxide in Patients With Acute Myocardial Infarction. Circulation: Cardiovascular Imaging, 2012, 5, 559-565.	2.6	148

#	Article	IF	Citations
235	Implementation of a Sensitive Troponin I Assay and Risk of Recurrent Myocardial Infarction and Death in Patients With Suspected Acute Coronary Syndrome. JAMA - Journal of the American Medical Association, 2011, 305, 1210.	7.4	270
236	Coronary Angiitis and Cardiac Arrest in Antineutrophil Cytoplasmic-Antibody Associated Systemic Vasculitis. Circulation, 2011, 123, e230-1.	1.6	8
237	Potential link between ozone and recurrent stroke. Heart, 2010, 96, 1953-1954.	2.9	3
238	Oxidative Stress and Cardiovascular Disease. , 2006, , 519-535.		2
239	Cardiac contractile impairment associated with increased phosphorylation of troponin I in endotoxemic rats. FASEB Journal, 2001, 15, 294-296.	0.5	168
240	Divergent Biological Actions of Coronary Endothelial Nitric Oxide During Progression of Cardiac Hypertrophy. Hypertension, 2001, 38, 267-273.	2.7	24
241	Ca2+-independent inhibition of myocardial contraction by coronary effluent of hypoxic rat hearts. American Journal of Physiology - Heart and Circulatory Physiology, 1999, 276, H623-H632.	3.2	3