

Ajay M Shah

List of Publications by Year in Descending Order

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

384
papers

25,701
citations

91
h-index

148
g-index

430
ext. papers

29,771
ext. citations

8.8
avg, IF

6.96
L-index

#	Paper	IF	Citations
384	Nox2 underpins microvascular inflammation and vascular contributions to cognitive decline.. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022 , 271678X221077766	7.3	1
383	Prognostic Significance of Ventricular Arrhythmias in 13444 Patients With Acute Coronary Syndrome: A Retrospective Cohort Study Based on Routine Clinical Data (NIHR Health Informatics Collaborative VA-ACS Study).. <i>Journal of the American Heart Association</i> , 2022 , e024260	6	0
382	Doxorubicin induces cardiotoxicity in a pluripotent stem cell model of aggressive B cell lymphoma cancer patients.. <i>Basic Research in Cardiology</i> , 2022 , 117, 13	11.8	1
381	The pathological maelstrom of COVID-19 and cardiovascular disease 2022 , 1, 200-210		1
380	Nrf2 attenuates the innate immune response after experimental myocardial infarction.. <i>Biochemical and Biophysical Research Communications</i> , 2022 , 606, 10-16	3.4	0
379	Mortality risk prediction of high-sensitivity C-reactive protein in suspected acute coronary syndrome: A cohort study.. <i>PLoS Medicine</i> , 2022 , 19, e1003911	11.6	3
378	MIRACLE Score and SCAI Grade to Identify Patients With Out-of-Hospital Cardiac Arrest for Immediate Coronary Angiography.. <i>JACC: Cardiovascular Interventions</i> , 2022 , 15, 1074-1084	5	0
377	Potential long-term effects of SARS-CoV-2 infection on the pulmonary vasculature: a global perspective. <i>Nature Reviews Cardiology</i> , 2021 ,	14.8	5
376	The Extracellular Matrix in Heart Failure: The Role of Adamts5 In Proteoglycan Remodelling. <i>Circulation</i> , 2021 ,	16.7	2
375	A roadmap for the characterization of energy metabolism in human cardiomyocytes derived from induced pluripotent stem cells.. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 164, 136-147	5.8	2
374	NF- κ B activation in cardiac fibroblasts results in the recruitment of inflammatory Ly6C monocytes in pressure-overloaded hearts. <i>Science Signaling</i> , 2021 , 14, eabe4932	8.8	2
373	Physical, cognitive, and mental health impacts of COVID-19 after hospitalisation (PHOSP-COVID): a UK multicentre, prospective cohort study. <i>Lancet Respiratory Medicine</i> , 2021 , 9, 1275-1287	35.1	58
372	Cardiomyocyte protein O-GlcNAcylation is regulated by GFAT1 not GFAT2. <i>Biochemical and Biophysical Research Communications</i> , 2021 , 583, 121-127	3.4	0
371	Endothelial Nox2 Limits Systemic Inflammation and Hypotension in Endotoxemia by Controlling Expression of Toll-Like Receptor 4. <i>Shock</i> , 2021 , 56, 268-277	3.4	1
370	Association of cardiometabolic microRNAs with COVID-19 severity and mortality. <i>Cardiovascular Research</i> , 2021 ,	9.9	6
369	Targeted deletion of nicotinamide adenine dinucleotide phosphate oxidase 4 from proximal tubules is dispensable for diabetic kidney disease development. <i>Nephrology Dialysis Transplantation</i> , 2021 , 36, 988-997	4.3	3
368	Association of social containment on ST-segment elevation myocardial infarction presentations during the COVID-19 pandemic. <i>Coronary Artery Disease</i> , 2021 , 32, 1-3	1.4	2

367	Nitric Oxide Synthase Inhibitors into the Clinic at Last. <i>Handbook of Experimental Pharmacology</i> , 2021 , 264, 169-204	3.2	1
366	Genetic deletion of Nox4 enhances cancerogen-induced formation of solid tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
365	Rotigaptide Infusion for the First 7 Days After Myocardial Infarction-Reperfusion Reduced Late Complexity of Myocardial Architecture of the Healing Border-Zone and Arrhythmia Inducibility. <i>Journal of the American Heart Association</i> , 2021 , 10, e020006	6	2
364	The unique impact of COVID-19 on orthopedic surgery residency applicants and program directors in Canada. <i>Canadian Journal of Surgery</i> , 2021 , 64, E249-E252	2	1
363	Role of oxidative stress in calcific aortic valve disease and its therapeutic implications. <i>Cardiovascular Research</i> , 2021 ,	9.9	3
362	Drugs that inhibit TMEM16 proteins block SARS-CoV-2 spike-induced syncytia. <i>Nature</i> , 2021 , 594, 88-93	50.4	103
361	Neuronal nitric oxide synthase regulates regional brain perfusion in healthy humans. <i>Cardiovascular Research</i> , 2021 ,	9.9	1
360	Biological responses to COVID-19: Insights from physiological and blood biomarker profiles. <i>Current Research in Translational Medicine</i> , 2021 , 69, 103276	3.7	4
359	Visualization of elastin using cardiac magnetic resonance imaging after myocardial infarction as inflammatory response. <i>Scientific Reports</i> , 2021 , 11, 11004	4.9	2
358	First-Phase Ejection Fraction, a Measure of Preclinical Heart Failure, Is Strongly Associated With Increased Mortality in Patients With COVID-19. <i>Hypertension</i> , 2021 , 77, 2014-2022	8.5	3
357	SARS-CoV-2 RNAemia and proteomic trajectories inform prognostication in COVID-19 patients admitted to intensive care. <i>Nature Communications</i> , 2021 , 12, 3406	17.4	41
356	Pre-existing cardiovascular disease rather than cardiovascular risk factors drives mortality in COVID-19. <i>BMC Cardiovascular Disorders</i> , 2021 , 21, 327	2.3	4
355	CYBB/NOX2 in conventional DCs controls T cell encephalitogenicity during neuroinflammation. <i>Autophagy</i> , 2021 , 17, 1244-1258	10.2	17
354	Fibroblast Nox2 (NADPH Oxidase-2) Regulates ANG II (Angiotensin II)-Induced Vascular Remodeling and Hypertension via Paracrine Signaling to Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2021 , 41, 698-710	9.4	5
353	A Proteomics-Based Assessment of Inflammation Signatures in Endotoxemia. <i>Molecular and Cellular Proteomics</i> , 2021 , 20, 100021	7.6	4
352	NADPH oxidase-4 promotes eccentric cardiac hypertrophy in response to volume overload. <i>Cardiovascular Research</i> , 2021 , 117, 178-187	9.9	15
351	Inducibility, but not stability, of atrial fibrillation is increased by NOX2 overexpression in mice. <i>Cardiovascular Research</i> , 2021 , 117, 2354-2364	9.9	4
350	Evaluation and improvement of the National Early Warning Score (NEWS2) for COVID-19: a multi-hospital study. <i>BMC Medicine</i> , 2021 , 19, 23	11.4	31

349	Endothelial NADPH oxidase 4 protects against angiotensin II-induced cardiac fibrosis and inflammation. <i>ESC Heart Failure</i> , 2021 , 8, 1427-1437	3.7	6
348	An update on the roles of immune system-derived microRNAs in cardiovascular diseases. <i>Cardiovascular Research</i> , 2021 , 117, 2434-2449	9.9	3
347	X-box binding protein 1-mediated COL4A1s secretion regulates communication between vascular smooth muscle and stem/progenitor cells. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100541	5.4	1
346	Excess deaths in people with cardiovascular diseases during the COVID-19 pandemic. <i>European Journal of Preventive Cardiology</i> , 2021 ,	3.9	28
345	ST2 in patients with severe aortic stenosis and heart failure. <i>Cardiology Journal</i> , 2021 , 28, 129-135	1.4	1
344	Iron derived from autophagy-mediated ferritin degradation induces cardiomyocyte death and heart failure in mice. <i>ELife</i> , 2021 , 10,	8.9	19
343	Direct cardiac versus systemic effects of inorganic nitrite on human left ventricular function. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 321, H175-H184	5.2	0
342	Impact of the COVID-19 pandemic on in-hospital mortality in cardiovascular disease: a meta-analysis. <i>European Journal of Preventive Cardiology</i> , 2021 ,	3.9	5
341	Enhanced Heart Failure in Redox-Dead Cys17Ser PKARI ^{fl/fl} Knock-In Mice. <i>Journal of the American Heart Association</i> , 2021 , 10, e021985	6	
340	Untangling the pathophysiologic link between coronary microvascular dysfunction and heart failure with preserved ejection fraction. <i>European Heart Journal</i> , 2021 , 42, 4431-4441	9.5	7
339	Effect of Percutaneous Left Ventricular Unloading on Coronary Flow and Cardiac Coronary Coupling in Patients Undergoing High-Risk Percutaneous Coronary Intervention. <i>Circulation: Cardiovascular Interventions</i> , 2021 , 14, e010454	6	
338	Novel Paracrine Action of Endothelium Enhances Glucose Uptake in Muscle and Fat. <i>Circulation Research</i> , 2021 , 129, 720-734	15.7	2
337	The nexus between redox state and intermediary metabolism. <i>FEBS Journal</i> , 2021 ,	5.7	1
336	The hydrogen-peroxide producing NADPH oxidase 4 does not limit neointima development after vascular injury in mice. <i>Redox Biology</i> , 2021 , 45, 102050	11.3	0
335	Long-term outcomes after heart failure hospitalization during the COVID-19 pandemic: a multisite report from heart failure referral centers in London. <i>ESC Heart Failure</i> , 2021 ,	3.7	2
334	The Impact of Vendor-Specific Ultrasound Beam-Forming and Processing Techniques on the Visualization of In Vitro Experimental "Scar": Implications for Myocardial Scar Imaging Using Two-Dimensional and Three-Dimensional Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2021 , 34, 1095-1105.e6	5.8	0
333	SCAI cardiogenic shock classification after out of hospital cardiac arrest and association with outcome. <i>Catheterization and Cardiovascular Interventions</i> , 2021 , 97, E288-E297	2.7	13
332	A case-control and cohort study to determine the relationship between ethnic background and severe COVID-19. <i>EClinicalMedicine</i> , 2020 , 28, 100574	11.3	26

331	The impact of COVID-19 on heart failure hospitalization and management: report from a Heart Failure Unit in London during the peak of the pandemic. <i>European Journal of Heart Failure</i> , 2020 , 22, 978-984	12.3	84
330	Angiotensin-converting enzyme inhibitors and angiotensin II receptor blockers are not associated with severe COVID-19 infection in a multi-site UK acute hospital trust. <i>European Journal of Heart Failure</i> , 2020 , 22, 967-974	12.3	127
329	A clinical risk score to identify patients with COVID-19 at high risk of critical care admission or death: An observational cohort study. <i>Journal of Infection</i> , 2020 , 81, 282-288	18.9	115
328	Divergent effects of genetic and pharmacological inhibition of Nox2 NADPH oxidase on insulin resistance-related vascular damage. <i>American Journal of Physiology - Cell Physiology</i> , 2020 , 319, C64-C74	5.4	8
327	Innovative Transthoracic Echocardiographic Imaging on Prone Ventilated Patients With COVID-19 Using a Transesophageal Probe. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 2465-2467	8.4	2
326	Prognostic significance of troponin level in 3121 patients presenting with atrial fibrillation (The NIHR Health Informatics Collaborative TROP-AF study). <i>Journal of the American Heart Association</i> , 2020 , 9, e013684	6	8
325	Acute heart failure. <i>Nature Reviews Disease Primers</i> , 2020 , 6, 16	51.1	70
324	NADPH Oxidase 2 Mediates Myocardial Oxygen Wasting in Obesity. <i>Antioxidants</i> , 2020 , 9,	7.1	1
323	Pkm2 Regulates Cardiomyocyte Cell Cycle and Promotes Cardiac Regeneration. <i>Circulation</i> , 2020 , 141, 1249-1265	16.7	52
322	Beyond bacterial killing: NADPH oxidase 2 is an immunomodulator. <i>Immunology Letters</i> , 2020 , 221, 39-48	4.1	13
321	Cytokine mRNA Degradation in Cardiomyocytes Restrains Sterile Inflammation in Pressure-Overloaded Hearts. <i>Circulation</i> , 2020 , 141, 667-677	16.7	18
320	Cardiovascular disease, heart failure and COVID-19. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2020 , 21, 1470320320926903	3	7
319	Nox4 regulates InsP receptor-dependent Ca release into mitochondria to promote cell survival. <i>EMBO Journal</i> , 2020 , 39, e103530	13	29
318	Predictive model of increased mortality and bed occupancy if thrombolysis becomes the initial treatment strategy for STEMI during the SARS-CoV-2 pandemic. <i>Clinical Medicine</i> , 2020 , 20, e170-e172	1.9	1
317	A histone deacetylase 7-derived peptide promotes vascular regeneration via facilitating 14-3-3 σ phosphorylation. <i>Stem Cells</i> , 2020 , 38, 556-573	5.8	4
316	Klotho regulation by albuminuria is dependent on ATF3 and endoplasmic reticulum stress. <i>FASEB Journal</i> , 2020 , 34, 2087-2104	0.9	9
315	Celastrol Alleviates Aortic Valve Calcification Via Inhibition of NADPH Oxidase 2 in Valvular Interstitial Cells. <i>JACC Basic To Translational Science</i> , 2020 , 5, 35-49	8.7	12
314	Cardiac monocytes and macrophages after myocardial infarction. <i>Cardiovascular Research</i> , 2020 , 116, 1101-1112	9.9	91

313	Tissue Doppler-Derived Left Ventricular Systolic Velocity Is Associated with Lethal Arrhythmias in Cardiac Device Recipients Irrespective of Left Ventricular Ejection Fraction. <i>Journal of the American Society of Echocardiography</i> , 2020 , 33, 1509-1516	5.8	
312	In vivo [U-C]glucose labeling to assess heart metabolism in murine models of pressure and volume overload. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 319, H422-H431	5.2	8
311	A practical risk score for early prediction of neurological outcome after out-of-hospital cardiac arrest: MIRACLE2. <i>European Heart Journal</i> , 2020 , 41, 4508-4517	9.5	15
310	Temporal trends in decompensated heart failure and outcomes during COVID-19: a multisite report from heart failure referral centres in London. <i>European Journal of Heart Failure</i> , 2020 , 22, 2219-2224	12.3	46
309	Invasive versus non-invasive management of older patients with non-ST elevation myocardial infarction (SENIOR-NSTEMI): a cohort study based on routine clinical data. <i>Lancet, The</i> , 2020 , 396, 623-634	40	27
308	Enriched conditioning expands the regenerative ability of sensory neurons after spinal cord injury via neuronal intrinsic redox signaling. <i>Nature Communications</i> , 2020 , 11, 6425	17.4	4
307	Cellular Basis for Heart Failure 2020 , 30-42.e3		
306	Reply: Mitochondrial Unfolded Protein Response (UPR) Activation in Cardiac Diseases: Opportunities and Challenges. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 1012	15.1	
305	Magnetic Resonance Perfusion or Fractional Flow Reserve in Coronary Disease. <i>New England Journal of Medicine</i> , 2019 , 380, 2418-2428	59.2	184
304	Single-cell transcriptome analyses reveal novel targets modulating cardiac neovascularization by resident endothelial cells following myocardial infarction. <i>European Heart Journal</i> , 2019 , 40, 2507-2520	9.5	71
303	Oxidation of PKG1 β mediates an endogenous adaptation to pulmonary hypertension. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 13016-13025	11.5	8
302	Blood Pressure-Lowering by the Antioxidant Resveratrol Is Counterintuitively Mediated by Oxidation of cGMP-Dependent Protein Kinase. <i>Circulation</i> , 2019 , 140, 126-137	16.7	36
301	Metabolically activated adipose tissue macrophages link obesity to triple-negative breast cancer. <i>Journal of Experimental Medicine</i> , 2019 , 216, 1345-1358	16.6	42
300	Cardioprotective Effect of the Mitochondrial Unfolded Protein Response During Chronic Pressure Overload. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 1795-1806	15.1	52
299	The continuous heart failure spectrum: moving beyond an ejection fraction classification. <i>European Heart Journal</i> , 2019 , 40, 2155-2163	9.5	107
298	Intra-aortic Balloon Counterpulsation for High-Risk Percutaneous Coronary Intervention: Defining Coronary Responders. <i>Journal of Cardiovascular Translational Research</i> , 2019 , 12, 299-309	3.3	1
297	Tolerizing CTL by Sustained Hepatic PD-L1 Expression Provides a New Therapy Approach in Mouse Sepsis. <i>Theranostics</i> , 2019 , 9, 2003-2016	12.1	7
296	Assessing the role of extracellular signal-regulated kinases 1 and 2 in volume overload-induced cardiac remodelling. <i>ESC Heart Failure</i> , 2019 , 6, 1015-1026	3.7	3

295	Therapies to limit myocardial injury in animal models of myocarditis: a systematic review and meta-analysis. <i>Basic Research in Cardiology</i> , 2019 , 114, 48	11.8	13
294	A machine learning approach for the prediction of pulmonary hypertension. <i>PLoS ONE</i> , 2019 , 14, e0224453	5.7	18
293	Prelamin A mediates myocardial inflammation in dilated and HIV-associated cardiomyopathies. <i>JCI Insight</i> , 2019 , 4,	9.9	16
292	NADPH oxidase 4 and its role in the cardiovascular system. <i>Vascular Biology (Bristol, England)</i> , 2019 , 1, H59-H66	2.9	3
291	Paracrine Mechanisms of Redox Signalling for Postmitotic Cell and Tissue Regeneration. <i>Trends in Cell Biology</i> , 2019 , 29, 514-530	18.3	11
290	Effect of Iron Isomaltoside on Skeletal Muscle Energetics in Patients With Chronic Heart Failure and Iron Deficiency. <i>Circulation</i> , 2019 , 139, 2386-2398	16.7	58
289	Association of troponin level and age with mortality in 250 000 patients: cohort study across five UK acute care centres. <i>BMJ, The</i> , 2019 , 367, l6055	5.9	21
288	Response by Pryszyzna et al to Letter Regarding Article, "Blood Pressure-Lowering by the Antioxidant Resveratrol Is Counterintuitively Mediated by Oxidation of cGMP-Dependent Protein Kinase". <i>Circulation</i> , 2019 , 140, e810-e811	16.7	0
287	Semantic computational analysis of anticoagulation use in atrial fibrillation from real world data. <i>PLoS ONE</i> , 2019 , 14, e0225625	3.7	9
286	Long-term outcomes in surgically ineligible patients managed with percutaneous coronary revascularization or medical therapy. <i>Cardiovascular Intervention and Therapeutics</i> , 2019 , 34, 249-259	2.5	4
285	Oxygen gradients can determine epigenetic asymmetry and cellular differentiation via differential regulation of Tet activity in embryonic stem cells. <i>Nucleic Acids Research</i> , 2018 , 46, 1210-1226	20.1	23
284	Inorganic Nitrite Selectively Dilates Epicardial Coronary Arteries. <i>Journal of the American College of Cardiology</i> , 2018 , 71, 363-364	15.1	8
283	Both cardiomyocyte and endothelial cell Nox4 mediate protection against hemodynamic overload-induced remodelling. <i>Cardiovascular Research</i> , 2018 , 114, 401-408	9.9	36
282	Molecular imaging of cardiac remodelling after myocardial infarction. <i>Basic Research in Cardiology</i> , 2018 , 113, 10	11.8	55
281	Reactive oxygen species regulate axonal regeneration through the release of exosomal NADPH oxidase 2 complexes into injured axons. <i>Nature Cell Biology</i> , 2018 , 20, 307-319	23.4	132
280	Echocardiographic evaluation of diastolic function in mouse models of heart disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 114, 20-28	5.8	55
279	MRI with gadofosveset: A potential marker for permeability in myocardial infarction. <i>Atherosclerosis</i> , 2018 , 275, 400-408	3.1	11
278	Inhibition of profibrotic microRNA-21 affects platelets and their releasate. <i>JCI Insight</i> , 2018 , 3,	9.9	16

277	Nox2 in regulatory T cells promotes angiotensin II-induced cardiovascular remodeling. <i>Journal of Clinical Investigation</i> , 2018 , 128, 3088-3101	15.9	25
276	Myocardial NADPH oxidase-4 regulates the physiological response to acute exercise. <i>ELife</i> , 2018 , 7,	8.9	27
275	Echocardiographic Estimation of Mean Pulmonary Artery Pressure: A Comparison of Different Approaches to Assign the Likelihood of Pulmonary Hypertension. <i>Journal of the American Society of Echocardiography</i> , 2018 , 31, 89-98	5.8	21
274	FKBP8 protects the heart from hemodynamic stress by preventing the accumulation of misfolded proteins and endoplasmic reticulum-associated apoptosis in mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 114, 93-104	5.8	22
273	Drug treatment effects on outcomes in heart failure with preserved ejection fraction: a systematic review and meta-analysis. <i>Heart</i> , 2018 , 104, 407-415	5.1	75
272	Simultaneous Assessment of Cardiac Inflammation and Extracellular Matrix Remodeling after Myocardial Infarction. <i>Circulation: Cardiovascular Imaging</i> , 2018 , 11,	3.9	24
271	Biochemistry and physiology of cardiac muscle. <i>Medicine</i> , 2018 , 46, 431-436	0.6	
270	Blood Pressure in Healthy Humans Is Regulated by Neuronal NO Synthase. <i>Hypertension</i> , 2017 , 69, 970-986	5.6	22
269	A Novel Calcitonin Gene-Related Peptide Analogue Protects Against End-Organ Damage in Experimental Hypertension, Cardiac Hypertrophy, and Heart Failure. <i>Circulation</i> , 2017 , 136, 367-383	16.7	63
268	Distinct Regulatory Effects of Myeloid Cell and Endothelial Cell NADPH Oxidase 2 on Blood Pressure. <i>Circulation</i> , 2017 , 135, 2163-2177	16.7	35
267	Selective Enhancement of Insulin Sensitivity in the Endothelium In Vivo Reveals a Novel Proatherosclerotic Signaling Loop. <i>Circulation Research</i> , 2017 , 120, 784-798	15.7	25
266	Metabolically Activated Adipose Tissue Macrophages Perform Detrimental and Beneficial Functions during Diet-Induced Obesity. <i>Cell Reports</i> , 2017 , 20, 3149-3161	10.6	126
265	Nox4 reprograms cardiac substrate metabolism via protein O-GlcNAcylation to enhance stress adaptation. <i>JCI Insight</i> , 2017 , 2,	9.9	29
264	Reduced First-Phase Ejection Fraction and Sustained Myocardial Wall Stress in Hypertensive Patients With Diastolic Dysfunction: A Manifestation of Impaired Shortening Deactivation That Links Systolic to Diastolic Dysfunction and Preserves Systolic Ejection Fraction. <i>Hypertension</i> , 2017 , 69, 633-640	8.5	30
263	The human coronary vasodilatory response to acute mental stress is mediated by neuronal nitric oxide synthase. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 313, H578-H583	5.2	10
262	Hypoxia induces heart regeneration in adult mice. <i>Nature</i> , 2017 , 541, 222-227	50.4	378
261	PHD2 Is a Regulator for Glycolytic Reprogramming in Macrophages. <i>Molecular and Cellular Biology</i> , 2017 , 37,	4.8	17
260	Response by Sag et al to Letter Regarding Article, "Distinct Regulatory Effects of Myeloid Cell and Endothelial Cell NADPH Oxidase 2 on Blood Pressure". <i>Circulation</i> , 2017 , 136, 2090-2091	16.7	2

259	NADPH Oxidase-4 Driven Cardiac Macrophage Polarization Protects Against Myocardial Infarction-Induced Remodeling. <i>JACC Basic To Translational Science</i> , 2017 , 2, 688-698	8.7	25
258	Decoding NADPH oxidase 4 expression in human tumors. <i>Redox Biology</i> , 2017 , 13, 182-195	11.3	36
257	Glycoproteomics Reveals Decorin Peptides With Anti-Myostatin Activity in Human Atrial Fibrillation. <i>Circulation</i> , 2016 , 134, 817-32	16.7	34
256	Redox Imaging Using Cardiac Myocyte-Specific Transgenic Biosensor Mice. <i>Circulation Research</i> , 2016 , 119, 1004-1016	15.7	32
255	Magnetic Drug Targeting: Preclinical in Vivo Studies, Mathematical Modeling, and Extrapolation to Humans. <i>Nano Letters</i> , 2016 , 16, 5652-60	11.5	116
254	Cell-specific effects of Nox2 on the acute and chronic response to myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 98, 11-7	5.8	32
253	Apocynin and Nox2 regulate NF- κ B by modifying thioredoxin-1 redox-state. <i>Scientific Reports</i> , 2016 , 6, 34581	4.9	25
252	212 Assessment of Left Ventricular Contractile Reserve in Patients with Severe Symptomatic Aortic Stenosis and Preserved Ejection Fraction. <i>Heart</i> , 2016 , 102, A140.2-A141	5.1	1
251	Transcriptional Regulation of Cystathionine- γ -Lyase in Endothelial Cells by NADPH Oxidase 4-Dependent Signaling. <i>Journal of Biological Chemistry</i> , 2016 , 291, 1774-1788	5.4	36
250	The Shortening of MWNT-SPION Hybrids by Steam Treatment Improves Their Magnetic Resonance Imaging Properties In Vitro and In Vivo. <i>Small</i> , 2016 , 12, 2893-905	11	17
249	Mutual Regulation of Epicardial Adipose Tissue and Myocardial Redox State by PPAR- γ /Adiponectin Signalling. <i>Circulation Research</i> , 2016 , 118, 842-55	15.7	92
248	Redox signaling in the cardiomyocyte: From physiology to failure. <i>International Journal of Biochemistry and Cell Biology</i> , 2016 , 74, 145-51	5.6	32
247	Ambulatory heart rate range predicts mode-specific mortality and hospitalisation in chronic heart failure. <i>Heart</i> , 2016 , 102, 223-9	5.1	16
246	Bone marrow transplantation modulates tissue macrophage phenotype and enhances cardiac recovery after subsequent acute myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 90, 120-8	5.8	12
245	Physiological Reduction in Left Ventricular Contractile Function in Healthy Postpartum Women: Potential Overlap with Peripartum Cardiomyopathy. <i>PLoS ONE</i> , 2016 , 11, e0147074	3.7	6
244	mTOR Hyperactivation by Ablation of Tuberous Sclerosis Complex 2 in the Mouse Heart Induces Cardiac Dysfunction with the Increased Number of Small Mitochondria Mediated through the Down-Regulation of Autophagy. <i>PLoS ONE</i> , 2016 , 11, e0152628	3.7	39
243	Triple-Modal Imaging of Magnetically-Targeted Nanocapsules in Solid Tumours In Vivo. <i>Theranostics</i> , 2016 , 6, 342-56	12.1	43
242	Molecular Mechanisms Linking Autonomic Dysfunction and Impaired Cardiac Contractility in Critical Illness. <i>Critical Care Medicine</i> , 2016 , 44, e614-24	1.4	23

241	Heart failure-potential new targets for therapy. <i>British Medical Bulletin</i> , 2016 , 119, 99-110	5.4	18
240	The Endoplasmic Reticulum Chaperone Calnexin Is a NADPH Oxidase NOX4 Interacting Protein. <i>Journal of Biological Chemistry</i> , 2016 , 291, 7045-59	5.4	42
239	Targeted redox inhibition of protein phosphatase 1 by Nox4 regulates eIF2 β -mediated stress signaling. <i>EMBO Journal</i> , 2016 , 35, 319-34	13	72
238	Toll-like receptor 9 prevents cardiac rupture after myocardial infarction in mice independently of inflammation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 311, H1485-H1497 ^{5.2}	5.2	31
237	CRISPR/Cas9-mediated knockout of p22phox leads to loss of Nox1 and Nox4, but not Nox5 activity. <i>Redox Biology</i> , 2016 , 9, 287-295	11.3	23
236	Impaired neuronal nitric oxide synthase-mediated vasodilator responses to mental stress in essential hypertension. <i>Hypertension</i> , 2015 , 65, 903-9	8.5	13
235	Serial soluble ST2 for the monitoring of pharmacologically optimised chronic stable heart failure. <i>International Journal of Cardiology</i> , 2015 , 178, 284-91	3.2	23
234	Bcl-2-like protein 13 is a mammalian Atg32 homologue that mediates mitophagy and mitochondrial fragmentation. <i>Nature Communications</i> , 2015 , 6, 7527	17.4	256
233	Contractile Function During Angiotensin-III Activation: Increased Nox2 Activity Modulates Cardiac Calcium Handling via Phospholamban Phosphorylation. <i>Journal of the American College of Cardiology</i> , 2015 , 66, 261-272	15.1	63
232	Response to letter regarding article, "Vitamin D promotes vascular regeneration". <i>Circulation</i> , 2015 , 131, e515-6	16.7	
231	Redox regulation of cardiomyocyte cell cycling via an ERK1/2 and c-Myc-dependent activation of cyclin D2 transcription. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 79, 54-68	5.8	23
230	Cardiac-targeted NADPH oxidase 4 in the adaptive cardiac remodelling of the murine heart. <i>Lancet, The</i> , 2015 , 385 Suppl 1, S73	40	12
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