Roger S-Y Foo

List of Publications by Year
in descending order

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103 papers	4,805 citations	101535 36 h-index	110368 64 g-index
108 all docs	108 docs citations	108 times ranked	8781 citing authors

#	Article	IF	Citations
1	The International Human Epigenome Consortium: A Blueprint for Scientific Collaboration and Discovery. Cell, 2016, 167, 1145-1149.	28.9	404
2	Death begets failure in the heart. Journal of Clinical Investigation, 2005, 115, 565-571.	8.2	263
3	Distinct Epigenomic Features in End-Stage Failing Human Hearts. Circulation, 2011, 124, 2411-2422.	1.6	245
4	A landscape of circular RNA expression in the human heart. Cardiovascular Research, 2017, 113, cvw250.	3.8	216
5	Differential DNA Methylation Correlates with Differential Expression of Angiogenic Factors in Human Heart Failure. PLoS ONE, 2010, 5, e8564.	2.5	182
6	Role of Vascular Smooth Muscle Cell Plasticity and Interactions in Vessel Wall Inflammation. Frontiers in Immunology, 2020, 11, 599415.	4.8	153
7	Mitochondrial substrate utilization regulates cardiomyocyte cell-cycle progression. Nature Metabolism, 2020, 2, 167-178.	11.9	131
8	Large-Scale Whole-Genome Sequencing of Three Diverse Asian Populations in Singapore. Cell, 2019, 179, 736-749.e15.	28.9	126
9	Targeting the highly abundant circular RNA circSlc8a1 in cardiomyocytes attenuates pressure overload induced hypertrophy. Cardiovascular Research, 2019, 115, 1998-2007.	3.8	123
10	The Programming of Cardiac Hypertrophy in the Offspring by Maternal Obesity Is Associated with Hyperinsulinemia, AKT, ERK, and mTOR Activation. Endocrinology, 2012, 153, 5961-5971.	2.8	122
11	The spatial organization of intra-tumour heterogeneity and evolutionary trajectories of metastases in hepatocellular carcinoma. Nature Communications, 2017, 8, 4565.	12.8	117
12	Increased InsP ₃ Rs in the junctional sarcoplasmic reticulum augment Ca ²⁺ transients and arrhythmias associated with cardiac hypertrophy. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11406-11411.	7.1	114
13	Regulation of p53 tetramerization and nuclear export by ARC. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20826-20831.	7.1	100
14	Double-blind, placebo-controlled crossover comparison of five classes of antihypertensive drugs. Journal of Hypertension, 2002, 20, 771-777.	0.5	95
15	Engineered Circular RNA Sponges Act as miRNA Inhibitors to Attenuate Pressure Overload-Induced Cardiac Hypertrophy. Molecular Therapy, 2020, 28, 1506-1517.	8.2	94
16	Genome-wide conserved consensus transcription factor binding motifs are hyper-methylated. BMC Genomics, 2010, 11, 519.	2.8	93
17	MicroRNAs targeting the SARS-CoV-2 entry receptor ACE2 in cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2020, 148, 46-49.	1.9	85
18	Genetic and Epigenetic Mechanisms Underlying Vascular Smooth Muscle Cell Phenotypic Modulation in Abdominal Aortic Aneurysm. International Journal of Molecular Sciences, 2020, 21, 6334.	4.1	79

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19	Simplified apoptotic cascades. Heart Failure Reviews, 2008, 13, 111-119.	3.9	71
20	Ubiquitination and Degradation of the Anti-apoptotic Protein ARC by MDM2. Journal of Biological Chemistry, 2007, 282, 5529-5535.	3.4	70
21	Adipose circular RNAs exhibit dynamic regulation in obesity and functional role in adipogenesis. Nature Metabolism, 2019, 1, 688-703.	11.9	68
22	ARCN1 Mutations Cause a Recognizable Craniofacial Syndrome Due to COPI-Mediated Transport Defects. American Journal of Human Genetics, 2016, 99, 451-459.	6.2	65
23	Genome-wide DNA methylation in human heart failure. Epigenomics, 2011, 3, 103-109.	2.1	62
24	Genetic variation influencing DNA methylation provides insights into molecular mechanisms regulating genomic function. Nature Genetics, 2022, 54, 18-29.	21.4	60
25	PURA syndrome: clinical delineation and genotype-phenotype study in 32 individuals with review of published literature. Journal of Medical Genetics, 2018, 55, 104-113.	3.2	59
26	A Meta-Analysis on the Global Prevalence, Risk factors and Screening of Coronary Heart Disease in Nonalcoholic Fatty Liver Disease. Clinical Gastroenterology and Hepatology, 2022, 20, 2462-2473.e10.	4.4	59
27	Nutrient deprivation regulates DNA damage repair in cardiomyocytes via loss of the baseâ€excision repair enzyme OGG1. FASEB Journal, 2012, 26, 2117-2124.	0.5	55
28	Mapping of Î³/Î´ T cells reveals VÎ´2+ T cells resistance to senescence. EBioMedicine, 2019, 39, 44-58.	6.1	54
29	The Apoptosis Inhibitor ARC Undergoes Ubiquitin-Proteasomal-mediated Degradation in Response to Death Stimuli. Journal of Biological Chemistry, 2007, 282, 5522-5528.	3.4	52
30	Prioritizing Candidates of Postâ€“Myocardial Infarction Heart Failure Using Plasma Proteomics and Single-Cell Transcriptomics. Circulation, 2020, 142, 1408-1421.	1.6	50
31	Following hearts, one cell at a time: recent applications of single-cell RNA sequencing to the understanding of heart disease. Nature Communications, 2018, 9, 4434.	12.8	47
32	The Association of Plant-Based Diet With Cardiovascular Disease and Mortality: A Meta-Analysis and Systematic Review of Prospect Cohort Studies. Frontiers in Cardiovascular Medicine, 2021, 8, 756810.	2.4	46
33	Prevalence of primary hyperaldosteronism assessed by aldosterone/renin ratio and spironolactone testing. Clinical Medicine, 2005, 5, 55-60.	1.9	45
34	Experimental heart failure modelled by the cardiomyocyte-specific loss of an epigenome modifier, DNMT3B. Journal of Molecular and Cellular Cardiology, 2015, 82, 174-183.	1.9	45
35	Disrupting the LINC complex by AAV mediated gene transduction prevents progression of Lamin induced cardiomyopathy. Nature Communications, 2021, 12, 4722.	12.8	45
36	Targeting Chondroitin Sulfate Glycosaminoglycans to Treat Cardiac Fibrosis in Pathological Remodeling. Circulation, 2018, 137, 2497-2513.	1.6	44

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37	Pharmacological inhibition of DNA methylation attenuates pressure overload-induced cardiac hypertrophy in rats. Journal of Molecular and Cellular Cardiology, 2018, 120, 53-63.	1.9	42
38	Fatty acid oxidation is a druggable gateway regulating cellular plasticity for driving metastasis in breast cancer. Science Advances, 2021, 7, eabh2443.	10.3	42
39	A circular RNA derived from the insulin receptor locus protects against doxorubicin-induced cardiotoxicity. European Heart Journal, 2022, 43, 4496-4511.	2.2	41
40	Circulating miR-323-3p and miR-652: Candidate markers for the presence and progression of acute coronary syndromes. International Journal of Cardiology, 2014, 176, 375-385.	1.7	40
41	Placebo effect on progression and regression in NASH: Evidence from a metaâ€analysis. Hepatology, 2022, 75, 1647-1661.	7.3	39
42	Somatic mutations of GNA11 and GNAQ in CTNNB1-mutant aldosterone-producing adenomas presenting in puberty, pregnancy or menopause. Nature Genetics, 2021, 53, 1360-1372.	21.4	37
43	Robust CTCF-Based Chromatin Architecture Underpins Epigenetic Changes in the Heart Failure Stressâ€“Gene Response. Circulation, 2019, 139, 1937-1956.	1.6	36
44	The landscape of DNA repeat elements in human heart failure. Genome Biology, 2012, 13, R90.	9.6	33
45	Circles in the heart and cardiovascular system. Cardiovascular Research, 2020, 116, 269-278.	3.8	33
46	High-throughput sequencing identifies STAT3 as the DNA-associated factor for p53 - NF-kappaB - complex-dependent gene expression in human heart failure. Genome Medicine, 2010, 2, 37.	8.2	32
47	Erbin is a negative modulator of cardiac hypertrophy. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5902-5907.	7.1	30
48	Natriuretic peptide receptor 3 (NPR3) is regulated by microRNA-100. Journal of Molecular and Cellular Cardiology, 2015, 82, 13-21.	1.9	29
49	Metformin Inhibits Cellular Proliferation and Bioenergetics in Colorectal Cancer Patientâ€“Derived Xenografts. Molecular Cancer Therapeutics, 2017, 16, 2035-2044.	4.1	29
50	Epigenomes of Human Hearts Reveal New Genetic Variants Relevant for Cardiac Disease and Phenotype. Circulation Research, 2020, 127, 761-777.	4.5	29
51	Exclusion of alternative exon 33 of Ca _V 1.2 calcium channels in heart is proarrhythmogenic. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E4288-E4295.	7.1	28
52	What we know about cardiomyocyte dedifferentiation. Journal of Molecular and Cellular Cardiology, 2021, 152, 80-91.	1.9	28
53	Heme oxygenase-1 gene transfer inhibits angiotensin II-mediated rat cardiac myocyte apoptosis but not hypertrophy. Journal of Cellular Physiology, 2006, 209, 1-7.	4.1	27
54	Bimodal Influence of Vitamin D in Host Response to SystemicCandidaInfectionâ€”Vitamin D Dose Matters. Journal of Infectious Diseases, 2015, 212, 635-644.	4.0	26

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55	Toll-like receptor 7 deficiency promotes survival and reduces adverse left ventricular remodelling after myocardial infarction. Cardiovascular Research, 2019, 115, 1791-1803.	3.8	25
56	Prognostic Outcomes in Acute Myocardial Infarction Patients Without Standard Modifiable Risk Factors: A Multiethnic Study of 8,680 Asian Patients. Frontiers in Cardiovascular Medicine, 2022, 9, 869168.	2.4	24
57	Incidentalome from Genomic Sequencing: A Barrier to Personalized Medicine?. EBioMedicine, 2016, 5, 211-216.	6.1	23
58	Non-alcoholic fatty liver disease association with structural heart, systolic and diastolic dysfunction: a meta-analysis. Hepatology International, 2022, 16, 269-281.	4.2	23
59	Aberrant Splicing Promotes Proteasomal Degradation of L-type CaV1.2 Calcium Channels by Competitive Binding for CaVÎ² Subunits in Cardiac Hypertrophy. Scientific Reports, 2016, 6, 35247.	3.3	22
60	PKB/Akt activation inhibits p53â€mediated HIF1A degradation that is independent of MDM2. Journal of Cellular Physiology, 2010, 222, 635-639.	4.1	20
61	Population genomics in South East Asia captures unexpectedly high carrier frequency for treatable inherited disorders. Genetics in Medicine, 2019, 21, 207-212.	2.4	18
62	Genetic Studies of Hypertrophic Cardiomyopathy in Singaporeans Identify Variants in TNNI3 and TNNT2 That Are Common in Chinese Patients. Circulation Genomic and Precision Medicine, 2020, 13, 424-434.	3.6	18
63	Acute lymphoblastic leukemia in a child with a de novo germline gnb1 mutation. American Journal of Medical Genetics, Part A, 2017, 173, 550-552.	1.2	17
64	Singapore Undiagnosed Disease Program: Genomic Analysis aids Diagnosis and Clinical Management. Archives of Disease in Childhood, 2021, 106, 31-37.	1.9	17
65	Life-threatening arrhythmias with autosomal recessive TECRL variants. Europace, 2021, 23, 781-788.	1.7	17
66	Genomic enhancers in cardiac development and disease. Nature Reviews Cardiology, 2022, 19, 7-25.	13.7	16
67	Tricho-hepato-enteric syndrome (THE-S): two cases and review of the literature. European Journal of Pediatrics, 2015, 174, 1405-1411.	2.7	15
68	FHL2 switches MITF from activator to repressor of Erbin expression during cardiac hypertrophy. International Journal of Cardiology, 2015, 195, 85-94.	1.7	15
69	AAV9 Delivery of shRNA to the Mouse Heart. Current Protocols in Molecular Biology, 2016, 115, 23.16.1-23.16.9.	2.9	14
70	Characterization of CaV1.2 exon 33 heterozygous knockout mice and negative correlation between Rbfox1 and CaV1.2 exon 33 expressions in human heart failure. Channels, 2018, 12, 51-57.	2.8	14
71	Single-cell genomic profiling of acute myeloid leukemia for clinical use: A pilot study. Oncology Letters, 2017, 13, 1625-1630.	1.8	13
72	Can glucoseâ€lowering medications improve outcomes in nonâ€diabetic heart failure patients? A Bayesian network metaâ€analysis. ESC Heart Failure, 2022, 9, 1338-1350.	3.1	13

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73	Study Protocol for a Randomized Controlled Trial of Choral Singing Intervention to Prevent Cognitive Decline in At-Risk Older Adults Living in the Community. Frontiers in Aging Neuroscience, 2018, 10, 195.	3.4	11
74	Assigning Distal Genomic Enhancers to Cardiac Diseaseâ€“Causing Genes. Circulation, 2020, 142, 910-912.	1.6	11
75	Integrative epigenomic and transcriptomic analyses reveal metabolic switching by intermittent fasting in brain. GeroScience, 2022, 44, 2171-2194.	4.6	10
76	Effect of overexpressed adenylyl cyclase VI on Î² 1 - and Î² 2 -adrenoceptor responses in adult rat ventricular myocytes. British Journal of Pharmacology, 2004, 143, 465-476.	5.4	8
77	Genetic Admixture in the Culturally Unique Peranakan Chinese Population in Southeast Asia. Molecular Biology and Evolution, 2021, 38, 4463-4474.	8.9	8
78	Upregulation of Yy1 Suppresses Dilated Cardiomyopathy caused by Ttn insufficiency. Scientific Reports, 2019, 9, 16330.	3.3	7
79	Effects of extended pharmacological disruption of zebrafish embryonic heart biomechanical environment on cardiac function, morphology, and gene expression. Developmental Dynamics, 2021, 250, 1759-1777.	1.8	7
80	Comparison of mechanistic pathways of bariatric surgery in patients with diabetes mellitus: A <scp>B</scp>ayesian network metaâ€analysis. Obesity, 2022, 30, 1380-1390.	3.0	7
81	Cardiac epigenetics: Driving signals to the cardiac epigenome in development and disease. Journal of Molecular and Cellular Cardiology, 2021, 151, 88.	1.9	6
82	Ethics and regulatory considerations for the clinical translation of somatic cell human epigenetic editing. Stem Cell Reports, 2021, 16, 1652-1655.	4.8	6
83	Dimethyl sulfoxide (DMSO) enhances direct cardiac reprogramming by inhibiting the bromodomain of coactivators CBP/p300. Journal of Molecular and Cellular Cardiology, 2021, 160, 15-26.	1.9	6
84	Cohort profile: the Diet and Healthy Aging (DaHA) study in Singapore. Aging, 2020, 12, 23889-23899.	3.1	6
85	Genetic analysis of Iranian family with hereditary cardiac arrhythmias by next generation sequencing. Advanced Biomedical Research, 2016, 5, 55.	0.5	5
86	Preparing health systems in Southeast and East Asia for new paradigms of care/personalized medicine in cancers: are health systems ready for evolving cancer management?. Journal of Asian Public Policy, 2017, 10, 268-286.	3.1	4
87	Dissecting Chromatin Architecture for Novel Cardiovascular Disease Targets. Circulation, 2019, 140, 446-448.	1.6	4
88	Cardiovascular molecular mechanisms of disease with COVID-19. Journal of Molecular and Cellular Cardiology, 2020, 141, 107.	1.9	4
89	International Reporting Mechanism for Unethical Germline Gene Editing Experiments Is Needed. Trends in Biotechnology, 2021, 39, 427-430.	9.3	4
90	Germline genome modification through novel political, ethical, and social lenses. PLoS Genetics, 2021, 17, e1009741.	3.5	4

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91	Genetic analysis of cardiac SCN5A Gene in Iranian patients with hereditary cardiac arrhythmias. Anatolian Journal of Cardiology, 2015, 16, 170-4.	0.9	3
92	A Class Effect Network Meta-analysis of Lipid Modulation in Non-alcoholic Steatohepatitis for Dyslipidemia. Journal of Clinical and Translational Hepatology, 2022, 000, 000-000.	1.4	3
93	The human variome: genomic and epigenomic diversity. EMBO Molecular Medicine, 2011, 3, 573-574.	6.9	2
94	Experience of Asian males communicating cardiac genetic risk within the family. Journal of Community Genetics, 2018, 9, 293-303.	1.2	2
95	Aortic and pulmonary artery dilatation in Cantu syndrome: expanding the phenotype. Clinical Dysmorphology, 2019, 28, 165-167.	0.3	2
96	Impact of following a healthy dietary pattern with co-consuming wolfberry on number and function of blood outgrowth endothelial cells from middle-aged and older adults. Food and Function, 2022, 13, 76-90.	4.6	2
97	Effects of acute SARS-CoV-2 infection on male hormone profile, ACE2 and TMPRSS2 expression and potential for transmission of SARS-CoV-2 in semen of Asian men. F&S Science, 2021, , .	0.9	2
98	Using â€œoldâ€•medications to fight new COVID-19: Re-purposing with a purpose. Journal of Molecular and Cellular Cardiology, 2020, 146, 41-42.	1.9	1
99	Causative Variants for Inherited Cardiac Conditions in a Southeast Asian Population Cohort. Circulation Genomic and Precision Medicine, 2022, 15, CIRCGEN121003536.	3.6	1
100	8-Oxoguanine DNA Glycosylase (OGG1) Deficiency Exacerbates Doxorubicin-Induced Cardiac Dysfunction. Oxidative Medicine and Cellular Longevity, 2022, 2022, 1-11.	4.0	1
101	T cells: a â€˜hidden cornerâ€™ to be explored for treating heart failure. European Heart Journal, 2022, , .	2.2	1
102	Modified CRISPR/Cas9 mediated generation of two MKK7 knockout human embryonic stem cell lines. Stem Cell Research, 2021, 52, 102238.	0.7	0
103	Design Variation, Implantation, and Outcome of Transcatheter Mitral Valve Prosthesis: A Comprehensive Review. Frontiers in Cardiovascular Medicine, 2021, 8, 782278.	2.4	0