

# Lu-Chen Weng

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

3,725  
citations

293460

24  
h-index

355658

38  
g-index

46  
all docs

46  
docs citations

46  
times ranked

8169  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep learning enables genetic analysis of the human thoracic aorta. <i>Nature Genetics</i> , 2022, 54, 40-51.	9.4	90
2	Genome-wide association study reveals novel genetic loci: a new polygenic risk score for mitral valve prolapse. <i>European Heart Journal</i> , 2022, 43, 1668-1680.	1.0	25
3	Analysis of rare genetic variation underlying cardiometabolic diseases and traits among 200,000 individuals in the UK Biobank. <i>Nature Genetics</i> , 2022, 54, 240-250.	9.4	68
4	Monogenic and Polygenic Contributions to QTc Prolongation in the Population. <i>Circulation</i> , 2022, 145, 1524-1533.	1.6	14
5	Deep learning on resting electrocardiogram to identify impaired heart rate recovery. <i>Cardiovascular Digital Health Journal</i> , 2022, 3, 161-170.	0.5	3
6	Genetic analysis of right heart structure and function in 40,000 people. <i>Nature Genetics</i> , 2022, 54, 792-803.	9.4	34
7	Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program. <i>Nature</i> , 2021, 590, 290-299.	13.7	1,069
8	Accelerometer-derived physical activity and risk of atrial fibrillation. <i>European Heart Journal</i> , 2021, 42, 2472-2483.	1.0	38
9	Rare Coding Variants Associated With Electrocardiographic Intervals Identify Monogenic Arrhythmia Susceptibility Genes: A Multi-Ancestry Analysis. <i>Circulation Genomic and Precision Medicine</i> , 2021, 14, e003300.	1.6	7
10	Predictive Accuracy of a Clinical and Genetic Risk Model for Atrial Fibrillation. <i>Circulation Genomic and Precision Medicine</i> , 2021, 14, e003355.	1.6	13
11	Monogenic and Polygenic Contributions to Atrial Fibrillation Risk. <i>Circulation Research</i> , 2020, 126, 200-209.	2.0	79
12	Genetic Determinants of Electrocardiographic P-Wave Duration and Relation to Atrial Fibrillation. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, 387-395.	1.6	16
13	Associations Between Alcohol Intake and Genetic Predisposition With Atrial Fibrillation Risk in a National Biobank. <i>Circulation Genomic and Precision Medicine</i> , 2020, 13, e003111.	1.6	4
14	Limitations of Contemporary Guidelines for Managing Patients at High Genetic Risk of Coronary Artery Disease. <i>Journal of the American College of Cardiology</i> , 2020, 75, 2769-2780.	1.2	88
15	Multi-ancestry GWAS of the electrocardiographic PR interval identifies 202 loci underlying cardiac conduction. <i>Nature Communications</i> , 2020, 11, 2542.	5.8	59
16	Initial Precipitants and Recurrence of Atrial Fibrillation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2020, 13, e007716.	2.1	37
17	Novel Risk Modeling Approach of Atrial Fibrillation With Restricted Mean Survival Times. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2020, 13, e005918.	0.9	14
18	Atrial Fibrillation Risk and Discrimination of Cardioembolic From Noncardioembolic Stroke. <i>Stroke</i> , 2020, 51, 1396-1403.	1.0	15

#	ARTICLE	IF	CITATIONS
19	Development and Validation of a Prediction Model for Atrial Fibrillation Using Electronic Health Records. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 1331-1341.	1.3	56
20	Use of >100,000 NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium whole genome sequences improves imputation quality and detection of rare variant associations in admixed African and Hispanic/Latino populations. <i>PLoS Genetics</i> , 2019, 15, e1008500.	1.5	203
21	Phenotypic Refinement of Heart Failure in a National Biobank Facilitates Genetic Discovery. <i>Circulation</i> , 2019, 139, 489-501.	1.6	109
22	Predictors of oral anticoagulant non-prescription in patients with atrial fibrillation and elevated stroke risk. <i>American Heart Journal</i> , 2018, 200, 24-31.	1.2	41
23	Atrial fibrillation genetic risk differentiates cardioembolic stroke from other stroke subtypes. <i>Neurology: Genetics</i> , 2018, 4, e293.	0.9	35
24	Association Between Titin Loss-of-Function Variants and Early-Onset Atrial Fibrillation. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 2354.	3.8	144
25	Common and Rare Coding Genetic Variation Underlying the Electrocardiographic PR Interval. <i>Circulation Genomic and Precision Medicine</i> , 2018, 11, e002037.	1.6	19
26	Frequency of Cardiac Rhythm Abnormalities in a Half Million Adults. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2018, 11, e006273.	2.1	159
27	Electronic physician notifications to improve guideline-based anticoagulation in atrial fibrillation: a randomized controlled trial. <i>Journal of General Internal Medicine</i> , 2018, 33, 2070-2077.	1.3	24
28	Multi-ethnic genome-wide association study for atrial fibrillation. <i>Nature Genetics</i> , 2018, 50, 1225-1233.	9.4	552
29	Stroke as the Initial Manifestation of Atrial Fibrillation. <i>Stroke</i> , 2017, 48, 490-492.	1.0	56
30	Large-scale analyses of common and rare variants identify 12 new loci associated with atrial fibrillation. <i>Nature Genetics</i> , 2017, 49, 946-952.	9.4	279
31	Atrial Fibrillation Genetic Risk and Ischemic Stroke Mechanisms. <i>Stroke</i> , 2017, 48, 1451-1456.	1.0	33
32	Diminished <i>PRRX1</i> Expression Is Associated With Increased Risk of Atrial Fibrillation and Shortening of the Cardiac Action Potential. <i>Circulation: Cardiovascular Genetics</i> , 2017, 10, .	5.1	33
33	Genetic Interactions with Age, Sex, Body Mass Index, and Hypertension in Relation to Atrial Fibrillation: The AFGen Consortium. <i>Scientific Reports</i> , 2017, 7, 11303.	1.6	15
34	Factors Associated with Anticoagulation Delay Following New-Onset Atrial Fibrillation. <i>American Journal of Cardiology</i> , 2017, 120, 1316-1321.	0.7	11
35	Fifteen Genetic Loci Associated With the Electrocardiographic P Wave. <i>Circulation: Cardiovascular Genetics</i> , 2017, 10, .	5.1	38
36	Genetic Risk Prediction of Atrial Fibrillation. <i>Circulation</i> , 2017, 135, 1311-1320.	1.6	87

#	ARTICLE	IF	CITATIONS
37	Heritability of Atrial Fibrillation. <i>Circulation: Cardiovascular Genetics</i> , 2017, 10, .	5.1	72
38	A Functional Variant Associated with Atrial Fibrillation Regulates PITX2c Expression through TFAP2a. <i>American Journal of Human Genetics</i> , 2016, 99, 1281-1291.	2.6	59