Lu-Chen Weng

List of Publications by Year
in descending order

38 papers	3,725 citations	257450 24 h-index	315739 38 g-index
46 all docs	46 docs citations	46 times ranked	7449 citing authors

#	Article	IF	Citations
1	Deep learning enables genetic analysis of the human thoracic aorta. Nature Genetics, 2022, 54, 40-51.	21.4	90
2	Genome-wide association study reveals novel genetic loci: a new polygenic risk score for mitral valve prolapse. European Heart Journal, 2022, 43, 1668-1680.	2.2	25
3	Analysis of rare genetic variation underlying cardiometabolic diseases and traits among 200,000 individuals in the UK Biobank. Nature Genetics, 2022, 54, 240-250.	21.4	68
4	Monogenic and Polygenic Contributions to QTc Prolongation in the Population. Circulation, 2022, 145, 1524-1533.	1.6	14
5	Deep learning on resting electrocardiogram to identify impaired heart rate recovery. Cardiovascular Digital Health Journal, 2022, 3, 161-170.	1.3	3
6	Genetic analysis of right heart structure and function in 40,000 people. Nature Genetics, 2022, 54, 792-803.	21.4	34
7	Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program. Nature, 2021, 590, 290-299.	27.8	1,069
8	Accelerometer-derived physical activity and risk of atrial fibrillation. European Heart Journal, 2021, 42, 2472-2483.	2.2	38
9	Rare Coding Variants Associated With Electrocardiographic Intervals Identify Monogenic Arrhythmia Susceptibility Genes: A Multi-Ancestry Analysis. Circulation Genomic and Precision Medicine, 2021, 14, e003300.	3.6	7
10	Predictive Accuracy of a Clinical and Genetic Risk Model for Atrial Fibrillation. Circulation Genomic and Precision Medicine, 2021, 14, e003355.	3.6	13
11	Monogenic and Polygenic Contributions to Atrial Fibrillation Risk. Circulation Research, 2020, 126, 200-209.	4.5	79
12	Genetic Determinants of Electrocardiographic P-Wave Duration and Relation to Atrial Fibrillation. Circulation Genomic and Precision Medicine, 2020, 13, 387-395.	3.6	16
13	Associations Between Alcohol Intake and Genetic Predisposition With Atrial Fibrillation Risk in a National Biobank. Circulation Genomic and Precision Medicine, 2020, 13, e003111.	3.6	4
14	Limitations of Contemporary Guidelines for Managing Patients at High Genetic Risk of Coronary Artery Disease. Journal of the American College of Cardiology, 2020, 75, 2769-2780.	2.8	88
15	Multi-ancestry GWAS of the electrocardiographic PR interval identifies 202 loci underlying cardiac conduction. Nature Communications, 2020, 11, 2542.	12.8	59
16	Initial Precipitants and Recurrence of Atrial Fibrillation. Circulation: Arrhythmia and Electrophysiology, 2020, 13, e007716.	4.8	37
17	Novel Risk Modeling Approach of Atrial Fibrillation With Restricted Mean Survival Times. Circulation: Cardiovascular Quality and Outcomes, 2020, 13, e005918.	2.2	14
18	Atrial Fibrillation Risk and Discrimination of Cardioembolic From Noncardioembolic Stroke. Stroke, 2020, 51, 1396-1403.	2.0	15

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19	Development and Validation of a Prediction Model for Atrial Fibrillation Using Electronic Health Records. JACC: Clinical Electrophysiology, 2019, 5, 1331-1341.	3.2	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. PLoS Genetics, 2019, 15, e1008500.	3.5	203
21	Phenotypic Refinement of Heart Failure in a National Biobank Facilitates Genetic Discovery. Circulation, 2019, 139, 489-501.	1.6	109
22	Predictors of oral anticoagulant non-prescription in patients with atrial fibrillation and elevated stroke risk. American Heart Journal, 2018, 200, 24-31.	2.7	41
23	Atrial fibrillation genetic risk differentiates cardioembolic stroke from other stroke subtypes. Neurology: Genetics, 2018, 4, e293.	1.9	35
24	Association Between Titin Loss-of-Function Variants and Early-Onset Atrial Fibrillation. JAMA - Journal of the American Medical Association, 2018, 320, 2354.	7.4	144
25	Common and Rare Coding Genetic Variation Underlying the Electrocardiographic PR Interval. Circulation Genomic and Precision Medicine, 2018, 11, e002037.	3.6	19
26	Frequency of Cardiac Rhythm Abnormalities in a Half Million Adults. Circulation: Arrhythmia and Electrophysiology, 2018, 11, e006273.	4.8	159
27	Electronic physician notifications to improve guideline-based anticoagulation in atrial fibrillation: a randomized controlled trial. Journal of General Internal Medicine, 2018, 33, 2070-2077.	2.6	24
28	Multi-ethnic genome-wide association study for atrial fibrillation. Nature Genetics, 2018, 50, 1225-1233.	21.4	552
29	Stroke as the Initial Manifestation of Atrial Fibrillation. Stroke, 2017, 48, 490-492.	2.0	56
30	Large-scale analyses of common and rare variants identify 12 new loci associated with atrial fibrillation. Nature Genetics, 2017, 49, 946-952.	21.4	279
31	Atrial Fibrillation Genetic Risk and Ischemic Stroke Mechanisms. Stroke, 2017, 48, 1451-1456.	2.0	33
32	Diminished PRRX1 Expression Is Associated With Increased Risk of Atrial Fibrillation and Shortening of the Cardiac Action Potential. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	33
33	Genetic Interactions with Age, Sex, Body Mass Index, and Hypertension in Relation to Atrial Fibrillation: The AFGen Consortium. Scientific Reports, 2017, 7, 11303.	3.3	15
34	Factors Associated with Anticoagulation Delay Following New-Onset Atrial Fibrillation. American Journal of Cardiology, 2017, 120, 1316-1321.	1.6	11
35	Fifteen Genetic Loci Associated With the Electrocardiographic P Wave. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	38
36	Genetic Risk Prediction of Atrial Fibrillation. Circulation, 2017, 135, 1311-1320.	1.6	87

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37	Heritability of Atrial Fibrillation. Circulation: Cardiovascular Genetics, 2017, 10, .	5.1	72
38	A Functional Variant Associated with Atrial Fibrillation Regulates PITX2c Expression through TFAP2a. American Journal of Human Genetics, 2016, 99, 1281-1291.	6.2	59