Gan-Xin Yan

List of Publications by Year
in descending order

108 papers	10,512 citations	50276 46 h-index	32842 100 g-index
112 all docs	112 docs citations	112 times ranked	5848 citing authors

#	Article	IF	Citations
1	Cellular Basis for the Brugada Syndrome and Other Mechanisms of Arrhythmogenesis Associated With ST-Segment Elevation. Circulation, 1999, 100, 1660-1666.	1.6	1,073
2	Cellular Basis for the Normal T Wave and the Electrocardiographic Manifestations of the Long-QT Syndrome. Circulation, 1998, 98, 1928-1936.	1.6	900
3	Cellular Basis for the Electrocardiographic J Wave. Circulation, 1996, 93, 372-379.	1.6	697
4	The M Cell:.. Journal of Cardiovascular Electrophysiology, 1999, 10, 1124-1152.	1.7	525
5	J wave syndromes. Heart Rhythm, 2010, 7, 549-558.	0.7	524
6	Tp-e/QT ratio as an index of arrhythmogenesis. Journal of Electrocardiology, 2008, 41, 567-574.	0.9	478
7	Characteristics and Distribution of M Cells in Arterially Perfused Canine Left Ventricular Wedge Preparations. Circulation, 1998, 98, 1921-1927.	1.6	431
8	Effect of Epicardial or Biventricular Pacing to Prolong QT Interval and Increase Transmural Dispersion of Repolarization. Circulation, 2003, 107, 740-746.	1.6	328
9	J-Wave syndromes expert consensus conference report: Emerging concepts and gaps in knowledge. Heart Rhythm, 2016, 13, e295-e324.	0.7	322
10	The Early Repolarization Pattern. Journal of the American College of Cardiology, 2015, 66, 470-477.	2.8	306
11	Unique Topographical Distribution of M Cells Underlies Reentrant Mechanism of Torsade de Pointes in the Long-QT Syndrome. Circulation, 2002, 105, 1247-1253.	1.6	270
12	Cellular and Ionic Mechanisms Underlying Erythromycin-Induced Long QT Intervals and Torsade de Pointes. Journal of the American College of Cardiology, 1996, 28, 1836-1848.	2.8	266
13	Phase 2 Early Afterdepolarization as a Trigger of Polymorphic Ventricular Tachycardia in Acquired Long-QT Syndrome. Circulation, 2001, 103, 2851-2856.	1.6	250
14	Ventricular repolarization components on the electrocardiogram. Journal of the American College of Cardiology, 2003, 42, 401-409.	2.8	246
15	Does Tpeakâ€“Tend provide an index of transmural dispersion of repolarization?. Heart Rhythm, 2007, 4, 1114-1116.	0.7	236
16	Ventricular Fibrillation in a Patient with Prominent J (Osborn) Waves and ST Segment Elevation in the Inferior Electrocardiographic Leads:. Journal of Cardiovascular Electrophysiology, 2000, 11, 95-98.	1.7	221
17	J-Wave syndromes expert consensus conference report: Emerging concepts and gaps in knowledge. Europace, 2017, 19, euw235.	1.7	172
18	Phase 2 Reentry as a Trigger to Initiate Ventricular Fibrillation During Early Acute Myocardial Ischemia. Circulation, 2004, 110, 1036-1041.	1.6	146

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19	Dronedarone. Circulation, 2009, 120, 636-644.	1.6	142
20	The T peak â^' T end interval as an electrocardiographic risk marker of arrhythmic and mortality outcomes: A systematic review and meta-analysis. Heart Rhythm, 2017, 14, 1131-1137.	0.7	133
21	Short QT Syndrome: From Bench to Bedside. Circulation: Arrhythmia and Electrophysiology, 2010, 3, 401-408.	4.8	132
22	Jâ€Wave syndromes expert consensus conference report: Emerging concepts and gaps in knowledge. Journal of Arrhythmia, 2016, 32, 315-339.	1.2	125
23	J-wave syndromes: Brugada and early repolarization syndromes. Heart Rhythm, 2015, 12, 1852-1866.	0.7	120
24	Blinded validation of the isolated arterially perfused rabbit ventricular wedge in preclinical assessment of drug-induced proarrhythmias. Heart Rhythm, 2006, 3, 948-956.	0.7	118
25	ST-segment elevation in the early repolarization syndrome, idiopathic ventricular fibrillation, and the Brugada syndrome: cellular and clinical linkage. Journal of Electrocardiology, 2005, 38, 26-32.	0.9	99
26	A new biomarker â€“ index of Cardiac Electrophysiological Balance (iCEB) â€“ plays an important role in drug-induced cardiac arrhythmias: beyond QT-prolongation and Torsades de Pointes (TdPs). Journal of Pharmacological and Toxicological Methods, 2013, 68, 250-259.	0.7	90
27	Role of signal-averaged electrocardiograms in arrhythmic risk stratification of patients with Brugada syndrome: A prospective study. Heart Rhythm, 2009, 6, 1156-1162.	0.7	88
28	ECG Repolarization Waves: Their Genesis and Clinical Implications. Annals of Noninvasive Electrocardiology, 2005, 10, 211-223.	1.1	84
29	Role of late sodium current in modulating the proarrhythmic and antiarrhythmic effects of quinidine. Heart Rhythm, 2008, 5, 1726-1734.	0.7	80
30	L-Type Calcium Current Reactivation Contributes to Arrhythmogenesis Associated with Action Potential Triangulation. Journal of Cardiovascular Electrophysiology, 2007, 18, 196-203.	1.7	78
31	Is there a significant transmural gradient in repolarization time in the intact heart?. Circulation: Arrhythmia and Electrophysiology, 2009, 2, 80-88.	4.8	78
32	Inhibition of Late Sodium Current by Mexiletine. Circulation: Arrhythmia and Electrophysiology, 2013, 6, 614-622.	4.8	75
33	Fever-related arrhythmic events in the multicenter Survey on Arrhythmic Events in Brugada Syndrome. Heart Rhythm, 2018, 15, 1394-1401.	0.7	71
34	A novel mutation in the KCNH2 gene associated with short QT syndrome. Journal of Molecular and Cellular Cardiology, 2011, 50, 433-441.	1.9	69
35	Mechanisms underlying arrhythmogenesis in long QT syndrome. Journal of Electrocardiology, 2005, 38, 69-73.	0.9	66
36	Gender differences in patients with Brugada syndrome and arrhythmic events: Data from a survey on arrhythmic events in 678 patients. Heart Rhythm, 2018, 15, 1457-1465.	0.7	65

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37	Predicting drugâ€induced slowing of conduction and proâ€arrhythmia: identifying the â€˜badâ€™ sodium current blockers. British Journal of Pharmacology, 2010, 160, 60-76.	5.4	64
38	Rationale for the Use of the Terms J-Wave Syndromes and Early Repolarization. Journal of the American College of Cardiology, 2011, 57, 1587-1590.	2.8	62
39	Age of First Arrhythmic Event in Brugada Syndrome. Circulation: Arrhythmia and Electrophysiology, 2017, 10, .	4.8	57
40	Profile of patients with Brugada syndrome presenting with their first documented arrhythmic event: Data from the Survey on Arrhythmic Events in BRUgada Syndrome (SABRUS). Heart Rhythm, 2018, 15, 716-724.	0.7	57
41	Mexiletine Prevents Recurrent TorsadesÂdeÂPointes in Acquired LongÂQTÂSyndrome Refractory to Conventional Measures. JACC: Clinical Electrophysiology, 2015, 1, 315-322.	3.2	53
42	Characterization and Management of Arrhythmic Events in Young Patients With Brugada Syndrome. Journal of the American College of Cardiology, 2019, 73, 1756-1765.	2.8	53
43	Electrophysiological Properties of HBI-3000: A New Antiarrhythmic Agent With Multiple-channel Blocking Properties in Human Ventricular Myocytes. Journal of Cardiovascular Pharmacology, 2011, 57, 79-85.	1.9	51
44	Electrocardiographic T Wave:. Journal of Cardiovascular Electrophysiology, 2003, 14, 639-640.	1.7	50
45	Contribution of late sodium current (INa-L) to rate adaptation of ventricular repolarization and reverse use-dependence of QT-prolonging agents. Heart Rhythm, 2011, 8, 762-769.	0.7	49
46	In Vitro Cardiovascular Effects of Dihydroartemisin-Piperaquine Combination Compared with Other Antimalarials. Antimicrobial Agents and Chemotherapy, 2012, 56, 3261-3270.	3.2	49
47	Assessment of the Proarrhythmic Potential of the Novel Antiarrhythmic Agent AZD7009 and Dofetilide in Experimental Models of Torsades De Pointes. Journal of Cardiovascular Electrophysiology, 2005, 16, 898-904.	1.7	47
48	Ventricular transmural repolarization sequence: its relationship with ventricular relaxation and role in ventricular diastolic function. European Heart Journal, 2008, 30, 372-380.	2.2	47
49	J-wave syndromes. From cell to bedside. Journal of Electrocardiology, 2011, 44, 656-661.	0.9	44
50	Role of ranolazine in the prevention and treatment of atrial fibrillation: A meta-analysis of randomized clinical trials. Heart Rhythm, 2017, 14, 3-11.	0.7	41
51	Recent Insights Pertaining to Sarcolemmal Phospholipid Alterations Underlying Arrhythmogenesis in the Ischemic Heart. Journal of Cardiovascular Electrophysiology, 1993, 4, 288-310.	1.7	39
52	Vanoxerine: Cellular Mechanism of a New Antiarrhythmic. Journal of Cardiovascular Electrophysiology, 2010, 21, 301-310.	1.7	38
53	Wenxin Keli Suppresses Ventricular Triggered Arrhythmias via Selective Inhibition of Late Sodium Current. PACE - Pacing and Clinical Electrophysiology, 2013, 36, 732-740.	1.2	36
54	L-type calcium current recovery versus ventricular repolarization: preserved membrane-stabilizing mechanism for different QT intervals across species. Heart Rhythm, 2008, 5, 271-279.	0.7	34

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55	The QT and Tp-e intervals in left and right chest leads: comparison between patients with systemic and pulmonary hypertension. Journal of Electrocardiology, 2005, 38, 154-158.	0.9	33
56	Cellular and ionic basis of J-wave syndromes. Trends in Cardiovascular Medicine, 2015, 25, 12-21.	4.9	32
57	Modulation of the late sodium current by ATX-II and ranolazine affects the reverse use-dependence and proarrhythmic liability of I_{Kr}blockade. British Journal of Pharmacology, 2011, 164, 308-316.	5.4	30
58	Heterogeneous distribution of INa-L determines interregional differences in rate adaptation of repolarization. Heart Rhythm, 2015, 12, 1295-1303.	0.7	30
59	Meta-analysis of T peak â€“T end and T peak â€“T end /QT ratio for risk stratification in congenital long QT syndrome. Journal of Electrocardiology, 2018, 51, 396-401.	0.9	24
60	Predictive Value of Tpeak â€“ Tend Indices for Adverse Outcomes in Acquired QT Prolongation: A Meta-Analysis. Frontiers in Physiology, 2018, 9, 1226.	2.8	23
61	A meta-analysis on the prognostic significance of inferolateral early repolarization pattern in Brugada syndrome. Europace, 2018, 20, 134-139.	1.7	22
62	Ethnic differences in patients with Brugada syndrome and arrhythmic events: New insights from Survey on Arrhythmic Events in Brugada Syndrome. Heart Rhythm, 2019, 16, 1468-1474.	0.7	22
63	Evaluation of Toxicity for Heart Failure Therapeutics. Circulation: Heart Failure, 2010, 3, 547-555.	3.9	19
64	Differentiating electrophysiological effects and cardiac safety of drugs based on the electrocardiogram: A blinded validation. Heart Rhythm, 2012, 9, 1706-1715.	0.7	19
65	ST Segment Elevation and Sudden Cardiac Death: From the Brugada Syndrome to Acute Myocardial Ischemia. Journal of Cardiovascular Electrophysiology, 2000, 11, 1330-1332.	1.7	18
66	Pharmacotherapy of Cardiac Arrhythmiasâ€”Basic Science for Clinicians. PACE - Pacing and Clinical Electrophysiology, 2009, 32, 1454-1465.	1.2	17
67	Time-to-first appropriate shock in patients implanted prophylactically with an implantable cardioverter-defibrillator: data from the Survey on Arrhythmic Events in BRUgada Syndrome (SABRUS). Europace, 2019, 21, 796-802.	1.7	16
68	Proarrhythmias and Antiarrhythmias: Two Sides of the Same Coin. Heart Rhythm, 2005, 2, 957-959.	0.7	14
69	Assessment of drug-induced proarrhythmia: The importance of study design in the rabbit left ventricular wedge model. Journal of Pharmacological and Toxicological Methods, 2016, 81, 151-160.	0.7	14
70	Arrhythmogenic Mechanisms in Hypokalaemia: Insights From Pre-clinical Models. Frontiers in Cardiovascular Medicine, 2021, 8, 620539.	2.4	14
71	Electrophysiologic Effects of SB-237376: A New Antiarrhythmic Compound with Dual Potassium and Calcium Channel Blocking Action. Journal of Cardiovascular Pharmacology, 2003, 41, 414-421.	1.9	13
72	L539Âfs/47, a truncated mutation of human etherâ€aâ€goâ€goâ€related gene (<scp>hERG</scp>), decreases <scp>hERG</scp> ion channel currents in HEK 293 cells. Clinical and Experimental Pharmacology and Physiology, 2013, 40, 28-36.	1.9	12

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73	Accurate interpretation of the QT interval: A vital task that remains unaccomplished. Heart Rhythm, 2005, 2, 575-577.	0.7	11
74	Should Catheter Ablation be the Preferred Therapy for Reducing ICD Shocks?. Circulation: Arrhythmia and Electrophysiology, 2009, 2, 705-712.	4.8	11
75	Notching early repolarization pattern in inferior leads increases risk of ventricular tachyarrhythmias in patients with acute myocardial infarction: a meta-analysis. Scientific Reports, 2015, 5, 15845.	3.3	11
76	J Wave Syndromes: History and Current Controversies. Korean Circulation Journal, 2016, 46, 601.	1.9	11
77	Utility of Normalized TdP Score System in Drug Proarrhythmic Potential Assessment: A Blinded in vitro Study of CiPA Drugs. Clinical Pharmacology and Therapeutics, 2021, 109, 1606-1617.	4.7	11
78	Overview of the Management of Atrial Fibrillation:. Journal of Cardiovascular Electrophysiology, 2003, 14, S275-S280.	1.7	10
79	Role of Antiarrhythmic Drugs: Frequent Implantable Cardioverter-Defibrillator Shocks, Risk of Proarrhythmia, and New Drug Therapy. Heart Failure Clinics, 2011, 7, 195-205.	2.1	10
80	Meta-analysis of T-wave indices for risk stratification in myocardial infarction. Journal of Geriatric Cardiology, 2017, 14, 776-779.	0.2	10
81	Ventricular hypertrophy amplifies transmural dispersion of repolarization by preferentially increasing the late sodium current in endocardium. Journal of Electrocardiology, 2014, 47, 642-648.	0.9	9
82	Current concepts in the management of long QT syndrome. Expert Opinion on Therapeutic Patents, 2002, 12, 633-643.	5.0	8
83	The impact of medical malpractice litigation on cardiovascular practice in the US and China. International Journal of Cardiology, 2014, 177, 48-50.	1.7	7
84	How to determine cardiac ion channels targeted by drugs using the isolated rabbit ventricular wedge model. Journal of Pharmacological and Toxicological Methods, 2016, 81, 161-170.	0.7	7
85	Synergistic Effect of Dofetilide and Mexiletine on Prevention of Atrial Fibrillation. Journal of the American Heart Association, 2017, 6, .	3.7	7
86	Genotype-Phenotype Correlation of SCN5A Genotype in Patients With Brugada Syndrome and Arrhythmic Events: Insights From the SABRUS in 392 Probands. Circulation Genomic and Precision Medicine, 2021, 14, e003222.	3.6	7
87	Atrial Fibrillation: Pharmacological Therapy. Current Problems in Cardiology, 2011, 36, 87-120.	2.4	6
88	J Wave Syndromes. Chinese Medical Journal, 2015, 128, 969-975.	2.3	6
89	A Rare Cause of 2:1 AV Block: Long QT Syndrome. Journal of Cardiovascular Electrophysiology, 2008, 19, 990-990.	1.7	5
90	The J Wave Syndromes and Their Role in Sudden Cardiac Death. Cardiac Electrophysiology Clinics, 2011, 3, 47-56.	1.7	3

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91	Two Types of T Wave Alternans in Longâ€QT Syndrome. Journal of Cardiovascular Electrophysiology, 2014, 25, 910-912.	1.7	3
92	Discarding the Baby with the Bathwater. PACE - Pacing and Clinical Electrophysiology, 2007, 30, 1429-1431.	1.2	2
93	Inverse decremental conduction heralds complete atrioventricular block following transcatheter aortic valve replacement. HeartRhythm Case Reports, 2021, 7, 820-824.	0.4	2
94	Ischemia Versus Amiodarone Induced Polymorphic Ventricular Tachycardia. PACE - Pacing and Clinical Electrophysiology, 2002, 25, 1382-1384.	1.2	1
95	Race and gender equality in health care: Are we there yet?. Heart Rhythm, 2007, 4, 1427-1429.	0.7	1
96	Beat-to-Beat Variation in QRS Morphology Following Transcatheter Aortic Valve Replacement. JAMA Internal Medicine, 2021, 181, 990.	5.1	1
97	Delta QRS distinguishes I_{to}â€mediated J waves from pseudo J waves produced by conduction delay on body surface electrocardiographic. PACE - Pacing and Clinical Electrophysiology, 2021, 44, 1832-1841.	1.2	1
98	Dual atrial rhythms: a case report of an unusual cause of pacemaker syndrome. European Heart Journal - Case Reports, 2022, 6, ytab531.	0.6	1
99	Unusual Electrocardiographic Findings in an Elderly Patient With Syncope. JAMA Internal Medicine, 2022, 182, 440.	5.1	1
100	"Doctor, Why Didn't You Tell Me About This Before the ICD?". Journal of Cardiovascular Electrophysiology, 2006, 17, 296-297.	1.7	0
101	The meta-analysis: supportive or illuminating?. European Heart Journal, 2006, 27, 2744-2745.	2.2	0
102	Instability of type 1 Brugada wave: A more sensitive ECG predictor of cardiac events?. Heart Rhythm, 2011, 8, 1022-1023.	0.7	0
103	Inhibition of Triggered Activities in Pulmonary Veins. Journal of the American College of Cardiology, 2011, 57, 994-995.	2.8	0
104	Cardiac Metastasis Causing Right Bundle Branch Block and Recurrent Septal Ventricular Tachycardia. Journal of Cardiovascular Electrophysiology, 2014, 25, 793-794.	1.7	0
105	MY APPROACH to early repolarization syndrome. Trends in Cardiovascular Medicine, 2016, 26, 393-394.	4.9	0
106	Electrocardiographic J wave: Early repolarization, Brugada wave, and conduction delay. Heart Rhythm, 2019, 16, 81-82.	0.7	0
107	Sustained Postural Wide QRS Complex Tachycardia in an Intensive Care Unit Patient. JAMA Internal Medicine, 2021, 181, 693.	5.1	0
108	An Open Invitation to Join the International Brugada Electrocardiographic Indices Registry. Cardiovascular Innovations and Applications, 2020, 4, .	0.3	0