

CITATION REPORT

List of articles citing

A COMPUTER MODEL OF ATRIAL FIBRILLATION

DOI: 10.1016/0002-8703(64)90371-0
American Heart Journal, 1964, 67, 200-20.

Source: <https://exaly.com/paper-pdf/8449995/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
1148	Vortex wave stability in homogeneous excitable media: simulations on a randomized discrete lattice.		0
1147	HEART. 1965 , 27, 351-94		1
1146	Pacemaker periodicity in atrial fibrillation. 1965 , 17, 296-302		10
1145	MODE OF ONSET OF ATRIAL FIBRILLATION IN MAN. <i>American Heart Journal</i> , 1965 , 70, 172-9	4.9	105
1144	Electrical control of cardiac rhythm. 1966 , 17, 447-62		2
1143	Newer concepts in the genesis of cardiac arrhythmias. <i>American Heart Journal</i> , 1968 , 76, 114-35	4.9	77
1142	A conceptual model of atrial fibrillation. 1968 , 1, 145-6		81
1141	Computer simulation of the propagation process in excitation of the ventricles. 1968 , 23, 203-11		52
1140	Mechanism initiating ventricular fibrillation demonstrated in cultured ventricular muscle tissue. 1970 , 26, 201-10		46
1139	Ventricular rate patterns in atrial fibrillation. 1970 , 41, 733-5		18
1138	Sharp discontinuity in sarcomere lengths across intercalated disks of fibrillating cat hearts. 1970 , 30, 503-32		18
1137	Atrial fibrillation. 1971 , 28, 263-7		49
1136	Ventricular fibrillation. 1971 , 28, 268-87		125
1135	Experimentally induced automatism in rat isolated ventricle. 1972 , 46, 167-9		3
1134	Autowave processes in a distributed chemical system. 1973 , 40, 45-61		252
1133	Sino-atrial disease: a report on 13 cases. 1973 , 6, 303-12		45
1132	Evidence for reentry as a mechanism of cardiac arrhythmias. 1975 , 72, 55-81		65

1131	Adams-Stokes seizures due to ventricular tachydysrhythmias in patients with heart block: prevalence and problems of management. 1975 , 67, 43-8	36
1130	Computer simulation of reverberating spreading depression in a network of cell automata. 1975 , 18, 181-9	41
1129	Classification of antidysrhythmic drugs. 1975 , 1, 115-38	58
1128	Mechanism of cardiac fibrillation. 1976 , 2, 811-42	2
1127	Adrenergic effects of the QT interval of the electrocardiogram. <i>American Heart Journal</i> , 1976 , 92, 210-6 4.9	192
1126	Circus movement in rabbit atrial muscle as a mechanism of tachycardia. II. The role of nonuniform recovery of excitability in the occurrence of unidirectional block, as studied with multiple microelectrodes. 1976 , 39, 168-77	416
1125	Influence of test site on ventricular fibrillation threshold. <i>American Heart Journal</i> , 1977 , 94, 55-61 4.9	23
1124	Mathematical models of cardiac arrhythmias (spiral waves). 1978 , 3, 539-55	10
1123	Dual echocardiographic determination of atrial contraction sequence in atrial flutter and other related atrial arrhythmias. 1978 , 58, 314-21	13
1122	Mutually synchronized relaxation oscillators as prototypes of oscillating systems in biology. 1979 , 7, 171-197	44
1121	Synthesis of one-dimensional binary scope-2 flexible cellular systems from initial final configuration pairs. 1980 , 46, 241-256	
1120	Computer simulation of arrhythmias in a network of coupled excitable elements. 1980 , 47, 454-66	171
1119	Natural and evoked atrial flutter due to circus movement in dogs. Role of abnormal atrial pathways, slow conduction, nonuniform refractory period distribution and premature beats. 1980 , 45, 1167-81	229
1118	Simulated propagation of cardiac action potentials. 1980 , 31, 403-23	53
1117	Waves in Excitable Media. 1980 , 39, 528-548	140
1116	Cellular mechanisms for cardiac arrhythmias. 1981 , 49, 1-15	311
1115	Ventricular activation patterns of spontaneous and induced ventricular rhythms in canine one-day-old myocardial infarction. Evidence for focal and reentrant mechanisms. 1982 , 51, 152-66	166
1114	Spontaneous conversion of long-standing atrial fibrillation. 1982 , 81, 429-32	10

1113	Experimental automaticity induced by mechanical lesion in rat isolated right ventricle: the effects of quinidine, phenytoin, and propranolol. 1982 , 7, 255-61	11
1112	Effects of left atrial enlargement on atrial transmembrane potentials and structure in dogs with mitral valve fibrosis. 1982 , 49, 1896-908	100
1111	Atrial excitability and conduction in patients with interatrial conduction defects. 1982 , 50, 1331-7	128
1110	The functional role of structural complexities in the propagation of depolarization in the atrium of the dog. Cardiac conduction disturbances due to discontinuities of effective axial resistivity. 1982 , 50, 175-91	472
1109	Theoretical analyses and computer simulation of ECG ventricular gradient and recovery waveforms. 1982 , 29, 413-23	13
1108	The histopathological substratum for atrial fibrillation in man. 1982 , 32, 183-91	3
1107	Comparison of theoretical with measured forward ECG solutions: a progress report. 1982 , 15, 485-501	
1106	The electrophysiological substrate of atrial fibrillation. 1983 , 6, 1166-70	23
1105	Mechanism and clinical significance of atrial repetitive responses in man. 1983 , 6, 53-9	31
1104	The heart as a system of coupled nonlinear oscillators. 1983 , 18, 69-88	50
1103	Synchronization in chains of pacemaker cells by phase resetting action potential effects. 1983 , 48, 175-86	8
1102	Electrophysiologic studies in atrial fibrillation. Slow conduction of premature impulses: a possible manifestation of the background for reentry. 1983 , 51, 122-30	276
1101	Atrial fibrillation: a new look at an old arrhythmia. 1983 , 2, 391-3	19
1100	Reentrant ventricular arrhythmias in the late myocardial infarction period. Interruption of reentrant circuits by cryothermal techniques. 1983 , 68, 644-56	134
1099	The influence of cardiac cholinergic activation on the induction and maintenance of ventricular fibrillation. 1984 , 79, 690-7	7
1098	Methods for the detection and assessment of antiarrhythmic activity. 1984 , 24, 401-33	33
1097	Simple finite-element model accounts for wide range of cardiac dysrhythmias. 1984 , 81, 233-7	122
1096	Organizing centers in a cellular excitable medium. 1985 , 17, 109-115	30

1095	Fast interactive computational setup for reconstruction and analysis of myocardial action potentials. <i>Medical and Biological Engineering and Computing</i> , 1985 , 23, 418-24	3.1
1094	Reentrant ventricular arrhythmias in the late myocardial infarction period in the dog. 13. Correlation of activation and refractory maps. 1985 , 57, 432-42	177
1093	An "account" of digitalis and atrial fibrillation. 1985 , 5, 60A-68A	39
1092	Efficacy of intravenous amiodarone in the management of paroxysmal or new atrial fibrillation with fast ventricular response. 1985 , 7, 47-58	65
1091	Increased cyclic GMP in atrial fibrillation. 1986 , 19, 51-7	20
1090	The role of antiarrhythmic drugs in sudden cardiac death. 1986 , 8, 104A-109A	8
1089	A Geometrical Theory for Spiral Waves in Excitable Media. 1986 , 46, 1039-1056	227
1088	11. Chaotic cardiac rhythms. 1986 , 237-256	16
1087	Pathology of the pacemaker network. 1986 , 7, 889-904	3
1086	Some observations on the question: Is ventricular fibrillation "chaos"? 1986 , 19, 282-289	64
1085	Comparative aspects of the dual role of the human atrioventricular node. 1986 , 55, 286-90	10
1084	Applications of nonlinear dynamics to clinical cardiology. 1987 , 504, 195-213	190
1083	Mathematical modeling of electrical activity of the heart. 1987 , 20, 219-26	57
1082	Indole alkaloids in medicine. 1988 , 8, 231-308	54
1081	On the formation of circulating patterns of excitation in anisotropic excitable media. 1988 , 26, 41-56	31
1080	Computer Modelling of Cardiac Recovery Processes and Repolarization Sequences. 1988 , 2, 335-351	2
1079	A model of wave propagation in an inhomogeneous excitable medium. 1988 , 32, 437-450	5
1078	A mathematical model for the vulnerable phase in myocardium. 1988 , 90, 3-18	20

1077	Nonlinear dynamics in cardiac conduction. 1988 , 90, 19-48	38
1076	. 1988 ,	
1075	The analysis of cardiac function: a continuum approach. 1988 , 52, 101-64	140
1074	Length of excitation wave and susceptibility to reentrant atrial arrhythmias in normal conscious dogs. 1988 , 62, 395-410	527
1073	.	0
1072	Timing and Phase Locking in Cascade Juggling. 1989 , 1, 55-96	61
1071	.	2
1070	Electrocardiographic wave form and cardiac arrhythmias. 1989 , 64, 29C-31C	4
1069	Computer model of cardiac repolarization processes and of the recovery sequence. 1989 , 22, 160-80	14
1068	Three-dimensional computer model of the heart: fibrillation induced by extrastimulation. 1989 , 22, 532-45	18
1067	Electrical instability in cardiac muscle: phase singularities and rotors. 1989 , 138, 353-405	248
1066	Cardiac arrhythmias modelled by Cai-inactivated Ca ²⁺ channels. 1989 , 61, 21-8	1
1065	Atrial refractory periods after atrial premature beats in patients with paroxysmal atrial fibrillation. 1989 , 12, 1018-26	7
1064	. 1989 , 77, 857-876	113
1063	.	
1062	.	
1061	Computer simulation of myocardial fibrillation using a one dimensional model of excitation and recovery processes. 1989 , 23, 132-44	5
1060	Intermittent chaos, self-organization, and learning from synchronous synaptic activity in model neuron networks. 1989 , 86, 2991-5	17

1059	An off beat whale hunt. 1989 , 299, 1563-5	4
1058	The Electrical Thresholds of Ventricular Myocardium. 1990 , 1, 393-410	38
1057	Reentry revisited. 1990 , 11, 774-8	1
1056	Mechanism of the Vulnerable Period in a Model of Cardiac Fibrillation. 1990 , 1, 303-308	22
1055	Effect of bipole configuration on atrial electrograms during atrial fibrillation. 1990 , 13, 78-87	21
1054	Genesis of sigmoidal dose-response curve during defibrillation by random shock: a theoretical model based on experimental evidence for a vulnerable window during ventricular fibrillation. 1990 , 13, 1326-42	12
1053	A logical state model of reentrant ventricular activation. 1990 , 37, 344-53	12
1052	A computer model of re-entry in cardiac tissue. 1990 , 20, 47-54	4
1051	A cellular automaton model of excitable media: II. Curvature, dispersion, rotating waves and meandering waves. 1990 , 46, 392-415	96
1050	A cellular automaton model of excitable media. 1990 , 46, 416-426	37
1049	Clinical Evaluation in Therapy of Patients with Atrial Fibrillation or Flutter. 1990 , 8, 479-490	15
1048	Computer Modeling In Cardiac Electrophysiology.	
1047	Computer Models Of Cardiac Fibrillation.	
1046	Effects of flecainide and quinidine on human atrial action potentials. Role of rate-dependence and comparison with guinea pig, rabbit, and dog tissues. 1990 , 82, 274-83	133
1045	A cellular automation model of excitable media including curvature and dispersion. 1990 , 247, 1563-6	227
1044	Comparison of activation during ventricular fibrillation and following unsuccessful defibrillation shocks in open-chest dogs. 1990 , 66, 1544-60	102
1043	Is fibrillation chaos?. 1990 , 67, 886-92	140
1042	.	1

1041	Properties of discontinuous anisotropic propagation at a microscopic level. 1990 , 591, 62-74	22
1040	The sinus node and atrial arrhythmias. 1990 , 591, 166-77	2
1039	Vortex action potentials in normal ventricular muscle. 1990 , 591, 190-207	40
1038	Autowave approaches to cessation of reentrant arrhythmias. 1990 , 591, 232-46	33
1037	Mechanisms underlying ventricular tachycardia and fibrillation in the ischemic heart: relation to nonlinear dynamics. 1990 , 591, 278-300	10
1036	Searching for chaos in fibrillation. 1990 , 591, 367-74	16
1035	The structural-functional basis of spontaneous ventricular defibrillation. 1990 , 26, 129-36	18
1034	Computer simulation of supraventricular tachycardia with the Wolff-Parkinson-White syndrome using three-dimensional heart models. 1990 , 23, 261-73	35
1033	Atrial activation sequence during atrial flutter in the canine pericarditis model and its effects on the polarity of the flutter wave in the electrocardiogram. 1991 , 17, 509-18	113
1032	.	
1031	Tachyarrhythmia thresholds in a three-dimensional computer model of a heart.	
1030	.	
1029	.	
1028	Distribution of QRST deflection areas in relation to repolarization and arrhythmias. 1991 , 24, 197-203	21
1027	Computer model of excitation and recovery in the anisotropic myocardium. I. Rectangular and cubic arrays of excitable elements. 1991 , 24, 1-15	88
1026	Computer model of excitation and recovery in the anisotropic myocardium. III. Arrhythmogenic conditions in the simplified left ventricle. 1991 , 24, 33-41	29
1025	Onset of induced atrial flutter in the canine pericarditis model. 1991 , 17, 1223-34	77
1024	Sinus node-atrioventricular node isolation: long-term results with the "corridor" operation for atrial fibrillation. 1991 , 17, 970-5	124

1023	The Mechanism of Simulated Torsade de Pointes in a Computer Model of Propagated Excitation. 1991 , 2, 224-237	44
1022	The simplified FitzHugh-Nagumo model with action potential duration restitution: Effects on 2D wave propagation. 1991 , 50, 327-340	40
1021	A cellular automaton model of excitable media IV. Untwisted scroll rings. 1991 , 50, 189-206	11
1020	Cardiac electrophysiological experiments in numero, Part III: Simulation of arrhythmias and pacing. 1991 , 14, 2167-86	2
1019	Propagation of depolarization and repolarization processes in the myocardium--an anisotropic model. 1991 , 38, 133-41	21
1018	Discrete models for chemically reacting systems. 1991 , 6, 113-163	118
1017	Regional control of atrial fibrillation by rapid pacing in conscious dogs. 1991 , 84, 1689-97	114
1016	Electrophysiological properties in chronic lone atrial fibrillation. 1991 , 84, 1662-8	171
1015	Spiral breakup in a new model of discrete excitable media. 1991 , 66, 671-674	60
1014	.	
1013	Cholinergically mediated tachyarrhythmias induced by a single extrastimulus in the isolated canine right atrium. 1992 , 71, 1254-67	211
1012	Signal Processing by Model Neural Networks. 1992 , 34, 426-444	5
1011	Temporal variability of defibrillation threshold in a two-dimensional supercomputer model of Ventricular fibrillation□ 1992 ,	
1010	Mechanism of flecainide's antiarrhythmic action in experimental atrial fibrillation. 1992 , 71, 271-87	178
1009	.	7
1008	.	
1007	Effects of flecainide on the rate dependence of atrial refractoriness, atrial repolarization and atrioventricular node conduction in anesthetized dogs. 1992 , 19, 1335-42	22
1006	Complex dynamics underlying the human electrocardiogram. 1992 , 67, 57-65	51

1005	Studies on re-entrant arrhythmias and ectopic beats in excitable tissues by bifurcation analyses. 1992 , 155, 137-71		14
1004	Intercellular conduction velocity variability as the basis for re-entrant arrhythmias in the ischemic myocardium. 1992 , 154, 317-30		2
1003	Theory of reentrant excitation in a ring of cardiac tissue. 1992 , 56, 84-106		44
1002	Diffusion and wave propagation in cellular automaton models of excitable media. 1992 , 55, 309-327		51
1001	Third generation cellular automaton for modeling excitable media. 1992 , 55, 328-339		25
1000	On the mechanism of termination and perpetuation of atrial fibrillation. 1992 , 69, 1033-8		45
999	Cellular automation model of ventricular conduction. <i>Medical and Biological Engineering and Computing</i> , 1992 , 30, 481-6	3.1	2
998	Cellular automaton model of ventricular fibrillation. 1992 , 39, 253-9		7
997	Relationship between atrial conduction defects and fractionated atrial endocardial electrograms in patients with sick sinus syndrome. 1993 , 16, 2022-33		54
996	Effects of verapamil on electrophysiological properties in paroxysmal atrial fibrillation. 1993 , 16, 309-16		8
995	Spread of excitation in a myocardial volume: simulation studies in a model of anisotropic ventricular muscle activated by point stimulation. 1993 , 4, 144-60		49
994	A quantitative measurement of spatial order in ventricular fibrillation. 1993 , 4, 533-46		71
993	Mechanisms in simulated torsade de pointes. 1993 , 4, 547-60		23
992	Atrial fibrillation: new management strategies. 1993 , 18, 235-300		6
991	Effects of defibrillation shock energy and timing on 3-D computer model of heart. 1993 , 21, 19-31		8
990	Spreading of excitation in 3-D models of the anisotropic cardiac tissue. I. Validation of the eikonal model. 1993 , 113, 145-209		90
989	.		2
988	.		

987	Atrial fibrillation: Current understandings and research imperatives. 1993 , 22, 1830-1834	104
986	Regional entrainment of atrial fibrillation studied by high-resolution mapping in open-chest dogs. 1993 , 88, 736-49	123
985	Circus movement atrial flutter in the canine sterile pericarditis model. Cryothermal termination from the epicardial site of the slow zone of the reentrant circuit. 1993 , 87, 1649-60	11
984	Mapping of refractory periods with voltage-sensitive dyes.	
983	A 3-dimensional cellular automaton model of the heart.	4
982	Comparative mechanisms of antiarrhythmic drug action in experimental atrial fibrillation. Importance of use-dependent effects on refractoriness. 1993 , 88, 1030-44	182
981	Effects of monophasic and biphasic shocks on action potentials during ventricular fibrillation in dogs. 1993 , 73, 325-34	44
980	Cibenzoline transforms random re-entry into ordered re-entry in the atria. 1993 , 14, 267-72	27
979	Changes in the surface electrocardiogram during the onset of spontaneous ventricular fibrillation in man. 1994 , 15, 184-8	26
978	Wavelength index: a predictor of the response to disopyramide in paroxysmal lone atrial fibrillation. 1994 , 85, 184-92	9
977	Clinical and Electrocardiographic Correlates of Exercise-Induced Atrial Fibrillation: A Case-Control Study. 1994 , 8, 146-150	
976	Electrical turbulence in three-dimensional heart muscle. 1994 , 266, 1003-6	370
975	Class III antiarrhythmic drug action in experimental atrial fibrillation. Differences in reverse use dependence and effectiveness between d-sotalol and the new antiarrhythmic drug ambasilide. 1994 , 90, 2032-40	82
974	Optical mapping of repolarization and refractoriness from intact hearts. 1994 , 90, 1469-80	157
973	Subthreshold stimulation of Purkinje fibers interrupts ventricular tachycardia in intact hearts. Experimental study with voltage-sensitive dyes and imaging techniques. 1994 , 74, 604-19	92
972	Electrical alternans and spiral wave breakup in cardiac tissue. <i>Chaos</i> , 1994 , 4, 461-472	3,3 386
971	A computer model study of the ventricular fibrillation vulnerable window: sensitivity to regional conduction depressions. 1994 , 22, 610-21	7
970	Successful catheter ablation of atrial fibrillation. 1994 , 5, 1045-52	265

969	Initiating reentry: the role of nonuniform anisotropy in small circuits. 1994 , 5, 182-209	232
968	Radiofrequency catheter ablation in unusual mechanisms of atrial fibrillation: report of three cases. 1994 , 5, 743-51	172
967	Additions to the wavelet hypothesis of cardiac fibrillation. 1994 , 5, 553-9	20
966	Strength-interval curves in canine myocardium at very short cycle lengths. 1994 , 17, 876-81	6
965	Spiral waves in a computer model of cardiac excitation. 1994 , 17, 944-52	10
964	Comparison of atrial ventricular fibrillation and defibrillation. 1994 , 17, 1034-42	7
963	A logical state model of circus movement atrial flutter role of anatomic obstacles, anisotropic conduction and slow conduction zones on induction, sustenance, and overdrive paced modulation of reentrant circuits. 1994 , 41, 537-48	5
962	A collocation--Galerkin finite element model of cardiac action potential propagation. 1994 , 41, 743-57	275
961	Integration of absolute ventricular fibrillation voltage correlates with successful defibrillation. 1994 , 41, 782-91	26
960	Control of rotating waves in cardiac muscle: analysis of the effect of an electric field. 1994 , 257, 129-34	8
959	Rotating spiral waves created by geometry. 1994 , 264, 1746-8	124
958	Complex dynamic order in ventricular fibrillation. 1994 , 27, 287-99	3
957	Gap junctional communication in excitable tissues; the heart as a paradigma. 1994 , 61, 1-35	19
956	Effect of an externally applied electric field on excitation propagation in the cardiac muscle. <i>Chaos</i> , 1994 , 4, 547-555	3.3 17
955	Predicting patterns of epicardial potentials during ventricular fibrillation. 1995 , 42, 898-907	12
954	Models of atrial reentry. 1995 , 6, 313-24	11
953	Alteration of ventricular fibrillation by propranolol and isoproterenol detected by epicardial mapping with 506 electrodes. 1995 , 6, 471-85	19
952	Animal models of atrial flutter. 1995 , 8, 687-96	2

951	Correlation among fibrillation, defibrillation, and cardiac pacing. 1995 , 18, 512-25		26
950	Wave propagation and curvature effects in a model of excitable media. 1995 , 5, 527-542		4
949	Chaos control of cardiac arrhythmias. 1995 , 5, 76-80		17
948	Frequency analysis of ventricular fibrillation. 1995 ,		2
947	Idiopathic atrial fibrillation in dogs: electrophysiologic determinants and mechanisms of antiarrhythmic action of flecainide. 1995 , 26, 277-86		45
946	Anisotropy and spiral organizing centers in patterned excitable media. 1995 , 269, 1857-60		103
945	The effects of refractoriness and conduction velocity on spatial organization in a computer model of atrial fibrillation.		
944	Lessons from animal models of atrial arrhythmias. 1996 , 14, 471-81		4
943	Wavelet formation in excitable cardiac tissue: the role of wavefront-obstacle interactions in initiating high-frequency fibrillatory-like arrhythmias. 1996 , 70, 581-94		60
942	Characterization of left atrial appendage Doppler flow in atrial fibrillation and flutter by Fourier analysis. <i>American Heart Journal</i> , 1996 , 132, 286-96	4.9	12
941	Simulation of re-entry in a piece of myocardial tissue: strong sensitivity to spatial and temporal conditions. 1996 , 16, 417-31		1
940	Ventricular fibrillation in the neonate: elusive or illusive?. 1996 , 8, 49-60		1
939	Effects of premature responses on vulnerability to fibrillation in a computer model. 1996 , 29, 213-21		1
938	Drifting vortices of electrical waves underlie ventricular fibrillation in the rabbit heart. 1996 , 157, 123-31		53
937	The antiarrhythmic effect of verapamil on atrioventricular re-entry in the Wolff-Parkinson-White syndrome: a computer model study. 1996 , 41, 125-36		4
936	Regional disparities of endocardial atrial activation in paroxysmal atrial fibrillation. 1996 , 19, 1998-2003		121
935	Induced termination of fibrillation. 1996 , 7, 71-81		3
934	Right and left atrial radiofrequency catheter therapy of paroxysmal atrial fibrillation. 1996 , 7, 1132-44		461

933	Spiral Wave Formation in Three-Dimensional Excitable Media. 1996 , 77, 3244-3247	50
932	Statistical properties of heartbeat intervals during atrial fibrillation. 1996 , 54, 1779-1784	19
931	Correspondence between discrete and continuous models of excitable media: trigger waves. 1997 , 55, 3215-33	8
930	Effects of patchy dispersion of the coupling resistance and refractoriness on cardiac reentries.	
929	Heart Muscle as a Reaction-Diffusion Medium: The Roles of Electric Potential Diffusion, Activation Front Curvature, and Anisotropy. 1997 , 07, 487-526	46
928	Restoring Sinus Rhythm in Patients With Atrial Flutter and Fibrillation: Pharmacologic or Electrical Cardioversion?. 1997 , 2, 135-144	6
927	Quasiperiodicity and chaos in cardiac fibrillation. 1997 , 99, 305-14	147
926	Computer simulation of atrial arrhythmias, including paroxysmal atrial fibrillation.	
925	Radiofrequency catheter ablation for atrial fibrillation. 1997 , 15, 721-37	4
924	Insights into mechanisms of antiarrhythmic drug action from experimental models of atrial fibrillation. 1997 , 8, 469-80	46
923	Mechanisms in adrenergic dependent onset of torsades de pointes. 1997 , 20, 88-94	13
922	Atrial electrophysiological features in patients with Wolff-Parkinson-White and atrial fibrillation: absence of rate adaptation of intraatrial conduction time parameters. 1997 , 20, 1318-27	9
921	Prevalence of retrograde accessory pathway conduction during atrial fibrillation. 1997 , 8, 377-87	7
920	Spatio-temporal reasoning for multi-scale modeling in cardiology. 1997 , 10, 41-57	6
919	Effects of heart rate on vulnerability to fibrillation in a computer model. 1997 , 30, 307-13	1
918	Whole-heart modeling: progress, principles and applications. 1997 , 67, 17-66	30
917	Postrepolarization refractoriness as a potential anti-atrial fibrillation mechanism of pilsicainide, a pure sodium channel blocker with slow recovery kinetics. 1998 , 12, 475-82	21
916	Atrial electrograms and activation sequences in the transition between atrial fibrillation and atrial flutter. 1998 , 9, 1173-9	11

915	Atrial electrophysiologic remodeling: another vicious circle?. 1998 , 9, 1378-93	172
914	Cesium-induced atrial tachycardia degenerating into atrial fibrillation in dogs: atrial torsades de pointes?. 1998 , 9, 970-5	81
913	Mechanisms of induction of typical and reversed atrial flutter. 1998 , 9, 281-91	11
912	Connexins, conduction, and atrial fibrillation. 1998 , 9, 608-11	6
911	Update on Catheter Ablation for Atrial Fibrillation. 1998 , 11, S130-S133	
910	Mechanisms of atrial fibrillation and action of drugs used in its management. 1998 , 82, 43N-49N	17
909	Right atrial potential profiles during atrial fibrillation predict the success of atrial defibrillation. 1998 , 31, 39-44	
908	Progress toward a catheter ablative cure of atrial fibrillation. 1998 , 31 Suppl, 71-9	4
907	Quantitative techniques for analyzing high-resolution cardiac-mapping data. 1998 , 17, 62-72	16
906	Electrophysiologic models of heart cells and cell networks. 1998 , 17, 73-83	29
905	An interactive 3D anisotropic cellular automata model of the heart. 1998 , 31, 323-47	26
904	Elektrophysiologisches Mapping von Vorhofflimmern: Was gibt es Neues?. 1998 , 9, S20-S24	
903	Dispersion of repolarization in paroxysmal atrial fibrillation. 1998 , 63, 281-6	17
902	Early recurrences of atrial fibrillation after electrical cardioversion: a result of fibrillation-induced electrical remodeling of the atria?. 1998 , 31, 167-73	231
901	Role of atrial electrophysiology and autonomic nervous system in patients with supraventricular tachycardia and paroxysmal atrial fibrillation. 1998 , 32, 732-8	112
900	[Therapeutic attitude in auricular fibrillation in emergency services]. 1998 , 51, 890-2	
899	Spontaneous initiation of atrial fibrillation by ectopic beats originating in the pulmonary veins. 1998 , 339, 659-66	5686
898	Self-organization and the dynamical nature of ventricular fibrillation. <i>Chaos</i> , 1998 , 8, 79-93	3.3 101

897	Simple electrocardiographic markers for the prediction of paroxysmal idiopathic atrial fibrillation. <i>American Heart Journal</i> , 1998 , 135, 733-8	4.9	507
896	Vortex dynamics in three-dimensional continuous myocardium with fiber rotation: Filament instability and fibrillation. <i>Chaos</i> , 1998 , 8, 20-47	3.3	640
895	Ventricular fibrillation and atrial fibrillation are two different beasts. <i>Chaos</i> , 1998 , 8, 65-78	3.3	69
894	Bursting calcium rotors in cultured cardiac myocyte monolayers. 1998 , 95, 10283-7		78
893	Ionic mechanisms of regional action potential heterogeneity in the canine right atrium. 1998 , 83, 541-51		148
892	A Three-Dimensional Autowave Turbulence. 1998 , 08, 677-684		32
891	Mathematical Physiology. 1998 ,		853
890	Importance of refractoriness heterogeneity in the enhanced vulnerability to atrial fibrillation induction caused by tachycardia-induced atrial electrical remodeling. 1998 , 98, 2202-9		267
889	Spatiotemporal periodicity during atrial fibrillation in the isolated sheep heart. 1998 , 98, 1236-48		393
888	Electrical turbulence as a result of the critical curvature for propagation in cardiac tissue. <i>Chaos</i> , 1998 , 8, 116-126	3.3	31
887	Two forms of spiral-wave reentry in an ionic model of ischemic ventricular myocardium. <i>Chaos</i> , 1998 , 8, 157-174	3.3	72
886	Spatial organization, predictability, and determinism in ventricular fibrillation. <i>Chaos</i> , 1998 , 8, 103-115	3.3	30
885	Evolving perspectives during 12 years of electrical turbulence. <i>Chaos</i> , 1998 , 8, 1-19	3.3	97
884	Varying types of circus movement re-entry with both normal and dissociated contralateral conduction causing different right and left atrial rhythms in canine atrial flutter. 1998 , 62, 201-10		6
883	References. 1998 , 121-139		
882	Mechanism of antiarrhythmic effects of class Ic drugs in paroxysmal atrial fibrillation in man. 1998 , 89, 119-23		7
881	An anatomic approach to prevention of atrial fibrillation: pulmonary vein isolation with through-the-balloon ultrasound ablation (TTB-USA). 1999 , 47 Suppl 3, 347-51		42
880	Chaos and the transition to ventricular fibrillation: a new approach to antiarrhythmic drug evaluation. 1999 , 99, 2819-26		257

879	Persistence of Atrial Fibrillation After Its Induction-Importance of the Duration and Dispersion of Atrial Refractoriness and Electrical Remodeling. 1999 , 4, 113-120		8
878	Incidence, evolution, and spatial distribution of functional reentry during ventricular fibrillation in pigs. 1999 , 84, 945-54		76
877	Dynamics of lattice spins as a model of arrhythmia. 1999 , 60, 7262-9		2
876	ROLE OF CELLULAR COUPLING AND DISPERSION OF REFRACTORINESS IN CARDIAC ARRHYTHMIAS: A SIMULATION STUDY. 1999 , 07, 529-540		
875	Dispersion of filtered P wave duration by P wave signal-averaged ECG mapping system: its usefulness for determining efficacy of disopyramide on paroxysmal atrial fibrillation. 1999 , 10, 670-9		30
874	Intraoperative radiofrequency ablation of chronic atrial fibrillation: a left atrial curative approach by elimination of anatomic "anchor" reentrant circuits. 1999 , 10, 772-80		99
873	Relation between cellular repolarization characteristics and critical mass for human ventricular fibrillation. 1999 , 10, 1077-86		28
872	Repetitive electrical remodeling by paroxysms of atrial fibrillation in the goat: no cumulative effect on inducibility or stability of atrial fibrillation. 1999 , 10, 1101-8		48
871	Determinants of efficacy of atrial pacing in preventing atrial fibrillation recurrences. 1999 , 10, 2-9		28
870	Capture window in human atrial fibrillation: evidence of an excitable gap. 1999 , 10, 319-27		34
869	The role of nonpharmacologic therapies for the treatment of atrial fibrillation. 1999 , 10, 450-60; quiz 488-94		13
868	P Wave Dispersion: A Valuable Electrocardiographic Marker for the Prediction of Paroxysmal Lone Atrial Fibrillation. 1999 , 4, 39-45		40
867	Electrophysiologic study in patients with atrial fibrillation: an idea whose time has come yet again. 1999 , 3, 101-7		1
866	P Wave Dispersion: Does It Have Any Clinical Role?. 1999 , 3, 261-263		1
865	Linear and non-linear analysis of the surface electrocardiogram during human ventricular fibrillation shows evidence of order in the underlying mechanism. <i>Medical and Biological Engineering and Computing</i> , 1999 , 37, 354-8	3.1	11
864	Phase response curve based model of the SA node: simulation by two-dimensional array of pacemaker cells with randomly distributed cycle lengths. <i>Medical and Biological Engineering and Computing</i> , 1999 , 37, 482-91	3.1	7
863	A computer simulation study of the efficacy of uniform field pacing for the prevention of ventricular tachyarrhythmia. 1999 , 10, 105-118		
862	Simulation of atrial activity by a phase response curve based model of a two-dimensional pacemaker cells array: the transition from a normal activation pattern to atrial fibrillation. 1999 , 80, 141-53		6

861	Catheter-ablative techniques for the treatment of atrial fibrillation. 1999 , 1, 142-8	1
860	A new system for catheter ablation of atrial fibrillation. 1999 , 83, 227D-236D	57
859	Mechanisms of atrial fibrillation and flutter and implications for management. 1999 , 84, 125R-130R	27
858	Efficacy and safety of septal and left-atrial linear ablation for atrial fibrillation. 1999 , 84, 139R-146R	140
857	Are the antiarrhythmic-defibrillating effects of D-sotalol due to or despite the prolongation of the action potential duration?. 1999 , 65, PL273-9	4
856	Role of the dispersion of refractoriness on cardiac reentries. 1999 , 157, 253-67	2
855	Introduction. 1999 , 1-9	
854	Understanding ventricular fibrillation by quantifying the complexity of activation patterns. 2000 , 11, 1372-4	
853	Simulation of cardiac excitation patterns in a three-dimensional anatomical heart atlas. 2000 , 30, 191-205	23
852	P wave dispersion on 12-lead electrocardiography in patients with paroxysmal atrial fibrillation. 2000 , 23, 1109-12	206
851	Prevalence and significance of focal sources of atrial arrhythmia in patients undergoing cardioversion of persistent atrial fibrillation. 2000 , 11, 616-22	13
850	Temporal organization of atrial activity and irregular ventricular rhythm during spontaneous atrial fibrillation: an in vivo study in the horse. 2000 , 11, 773-84	29
849	Influence of wavefront dynamics on transmembrane potential characteristics during atrial fibrillation. 2000 , 11, 913-21	
848	Spatial distribution and frequency dependence of arrhythmogenic vagal effects in canine atria. 2000 , 11, 1029-42	51
847	Helical representation of atrial reentry: a teaching aid for electrophysiology. 2000 , 11, 484-7	0
846	Experimental models of atrial fibrillation/flutter. 2000 , 43, 117-23	13
845	Mechanisms in T-wave alternans caused by intraventricular block. 2000 , 33, 311-9	2
844	A simulation of the SA node by a phase response curve-based model of a two-dimensional pacemaker cells array. 2000 , 47, 425-34	5

843	Atrial fibrillation: Epidemiology, mechanisms, and management. 2000 , 25, 413-524	12
842	Simulated torsade de pointes--the role of conduction defects and mechanism of QRS rotation. 2000 , 33, 55-64	14
841	Management of atrial fibrillation: therapeutic options and clinical decisions. 2000 , 85, 3D-11D	70
840	Mapping-guided ablation of pulmonary veins to cure atrial fibrillation. 2000 , 86, 9K-19K	108
839	Novel catheter technology for ablative cure of atrial fibrillation. 2000 , 4 Suppl 1, 127-39	16
838	Atrial fibrillation: defining potential curative ablation targets. 2000 , 4 Suppl 1, 141-7	2
837	Catheter mapping of spontaneous and induced atrial fibrillation in man. 2000 , 4 Suppl 1, 21-8	4
836	Atrial fibrillation: role of arrhythmogenic foci. 2000 , 4 Suppl 1, 29-37	20
835	The role of the crista terminalis in atrial flutter and fibrillation: a computer modeling study. 2000 , 28, 742-54	23
834	Recurrent patterns of atrial depolarization during atrial fibrillation assessed by recurrence plot quantification. 2000 , 28, 61-70	46
833	Significant association of atrial vulnerability with atrial septal abnormalities in young patients with ischemic stroke of unknown cause. 2000 , 31, 398-403	200
832	Ventricular fibrillation: how do we stop the waves from breaking?. 2000 , 87, 1103-7	187
831	Atrial electrical remodelling and atrial fibrillation. 2000 , 93, 563-5	4
830	Spatial correlation analysis of atrial activation patterns during sustained atrial fibrillation in conscious goats. 2000 , 108, 313-31	6
829	Ventricular fibrillation: mechanisms of initiation and maintenance. 2000 , 62, 25-50	266
828	A mechanism of transition from ventricular fibrillation to tachycardia : effect of calcium channel blockade on the dynamics of rotating waves. 2000 , 86, 684-91	94
827	Fibrillating myocardium : rabbit warren or beehive?. 2000 , 86, 369-70	17
826	Electrical, morphological, and ultrastructural remodeling and reverse remodeling in a canine model of chronic atrial fibrillation. 2000 , 102, 1454-60	212

825	Distribution of excitation frequencies on the epicardial and endocardial surfaces of fibrillating ventricular wall of the sheep heart. 2000 , 86, 408-17	205
824	A computer model of normal conduction in the human atria. 2000 , 87, E25-36	165
823	High-frequency periodic sources underlie ventricular fibrillation in the isolated rabbit heart. 2000 , 86, 86-93	149
822	Stable microreentrant sources as a mechanism of atrial fibrillation in the isolated sheep heart. 2000 , 101, 194-9	584
821	Atrial fibrillation: current and future strategies for management. 2000 , 5, 151-60	1
820	Basic mechanisms of atrial fibrillation--very new insights into very old ideas. 2000 , 62, 51-77	137
819	Electrophysiologically guided ablation of the pulmonary veins for the curative treatment of atrial fibrillation. 2000 , 32, 408-16	50
818	Numerical simulations of cardiac dynamics. What can we learn from simple and complex models?.	1
817	[Where is atrial fibrillation research going to?]. 2000 , 53, 1318-24	0
816	Intravenous sotalol decreases transthoracic cardioversion energy requirement for chronic atrial fibrillation in humans: assessment of the electrophysiological effects by biatrial basket electrodes. 2000 , 35, 1434-41	30
815	Single site radiofrequency catheter ablation of atrial fibrillation: studies guided by simultaneous multisite mapping in the canine sterile pericarditis model. 2000 , 36, 917-23	52
814	Determination of refractory periods and conduction velocity during atrial fibrillation using atrial capture in dogs: direct assessment of the wavelength and its modulation by a sodium channel blocker, pilsicainide. 2000 , 35, 246-53	36
813	Prolonged fractionation of paced right atrial electrograms in patients with atrial flutter and fibrillation. 2001 , 37, 1651-7	31
812	Progressive action potential duration shortening and the conversion from atrial flutter to atrial fibrillation in the isolated canine right atrium. 2001 , 38, 1757-65	25
811	Effects of chronic atrial fibrillation on gap junction distribution in human and rat atria. 2001 , 38, 883-91	231
810	Computational models of normal and abnormal action potential propagation in cardiac tissue: linking experimental and clinical cardiology. 2001 , 22, R15-34	32
809	Evaluation and management of atrial fibrillation. 2001 , 85, 225-44, ix	17
808	Effects of cavotricuspid isthmus catheter ablation on paroxysmal atrial fibrillation. 2001 , 42, 79-89	6

807	Electrophysiological heterogeneity and stability of reentry in simulated cardiac tissue. 2001 , 280, H535-45	61
806	Transmural reentry during acute global ischemia and reperfusion in canine ventricular muscle. 2001 , 280, H2717-25	35
805	Patterns of wave break during ventricular fibrillation in isolated swine right ventricle. 2001 , 281, H253-65	27
804	Lengthening of intraatrial conduction time in atrial fibrillation and its relation with early recurrence of atrial fibrillation. 2001 , 42, 575-84	15
803	Electropharmacologic effects of pilsicainide, a pure sodium channel blocker, on the remodeled atrium subjected to chronic rapid pacing. 2001 , 38, 812-20	12
802	Quantitative analysis of termination of vagally induced canine atrial fibrillation by mutual information. 2001 , 65, 111-6	4
801	Monophasic action potentials of the right atrium in patients with paroxysmal atrial fibrillation. 2001 , 65, 893-6	6
800	Ventricular fibrillation: evolution of the multiple-wavelet hypothesis. 2001 , 359, 1315-1325	46
799	Toward a mechanism-based understanding of atrial fibrillation. 2001 , 12, 600-1	16
798	When technology exceeds knowledge, is success a reasonable expectation?. 2001 , 12, 1284-5	2
797	Mechanism for pituitary adenylate cyclase-activating polypeptide-induced atrial fibrillation. 2001 , 12, 1381-6	9
796	A simple method of mapping atrial premature depolarizations triggering atrial fibrillation. 2001 , 24, 22-7	22
795	Clinical significance of the atrial fibrillation threshold in patients with paroxysmal atrial fibrillation. 2001 , 24, 796-805	9
794	Mapping the organization of atrial fibrillation with basket catheters. Part I: Validation of a real-time algorithm. 2001 , 24, 1082-8	18
793	Report of the NASPE/NHLBI round table on future research directions in atrial fibrillation. 2001 , 24, 1435-51	6
792	Ventricular Fibrillation: Experimental and Theoretical Developments. 2001 , 5, 343-345	1
791	Report of the NASPE/NHLBI Round Table on Future Research Directions in Atrial Fibrillation. North American Society of Pacing and Electrophysiology. 2001 , 5, 345-64	1
790	P-wave dispersion: a novel predictor of paroxysmal atrial fibrillation. 2001 , 6, 159-65	203

789	Usefulness of handgrip to improve ibutilide efficacy in organizing atrial electrical activity during atrial fibrillation. 2001 , 87, 798-801, A8-9		1
788	Role of dispersion of atrial refractoriness in the recurrence of clinical atrial fibrillation; a manifestation of atrial electrical remodelling in humans?. 2001 , 22, 1822-34		16
787	Left-to-right gradient of atrial frequencies during acute atrial fibrillation in the isolated sheep heart. 2001 , 103, 2631-6		303
786	SIMULATION DER KATHETERISIERUNG UND RADIO-FREQUENZ-ABLATION IN DER KARDIOLOGIE MIT EINEM HAPTISCHEN INTERFACE. 2001 , 46, 528-529		
785	The distribution of refractory periods influences the dynamics of ventricular fibrillation. 2001 , 88, E49-58		49
784	Mechanisms of the dynamics of reentry in a fibrillating myocardium. Developing a genes-to-rotors paradigm. 2001 , 88, 753-5		10
783	On the pattern formation mechanism of (2+1)D max-plus models. 2001 , 34, 10715-10726		6
782	Filament instability and rotational tissue anisotropy: A numerical study using detailed cardiac models. <i>Chaos</i> , 2001 , 11, 71-80	3-3	49
781	Interplay of ionic and structural heterogeneity on functional action potential duration gradients: Implications for arrhythmogenesis. <i>Chaos</i> , 2002 , 12, 819-828	3-3	20
780	Wave front fragmentation due to ventricular geometry in a model of the rabbit heart. <i>Chaos</i> , 2002 , 12, 779-787	3-3	40
779	Development of a computer algorithm for the detection of phase singularities and initial application to analyze simulations of atrial fibrillation. <i>Chaos</i> , 2002 , 12, 764-778	3-3	29
778	Propagation through heterogeneous substrates in simple excitable media models. <i>Chaos</i> , 2002 , 12, 747-753		38
777	Cholinergic atrial fibrillation in a computer model of a two-dimensional sheet of canine atrial cells with realistic ionic properties. 2002 , 90, E73-87		188
776	Comparison of macroscopic models of excitation and force propagation in the heart. 2002 , 47 Suppl 1 Pt 1, 217-20		2
775	Predictors of clinical recurrence after successful electrical cardioversion of chronic persistent atrial fibrillation: clinical and electrophysiological observations. 2002 , 97, 133-7		8
774	Electrophysiological properties of the human atrium in atrial fibrillation. 2002 , 54, 302-14		37
773	Spotlight on atrial fibrillation-the 'complete arrhythmia'. 2002 , 54, 197-203		17
772	Autonomic tone variations before the onset of paroxysmal atrial fibrillation. 2002 , 105, 2753-9		406

771	Life span of ventricular fibrillation frequencies. 2002 , 91, 339-45		66
770	Electrical refractory period restitution and spiral wave reentry in simulated cardiac tissue. 2002 , 283, H448-60		44
769	Torso coupling techniques for the forward problem of electrocardiography. 2002 , 30, 1299-312		11
768	Spiral wave generation in heterogeneous excitable media. 2002 , 88, 058101		136
767	Atrial fibrillation: current surgical options and their assessment. 2002 , 74, 2210-7		124
766	Pulmonary veins: preferred site for catheter ablation of atrial fibrillation. 2002 , 31, 271-8		8
765	An analytical study of the physiology and pathology of the propagation of cardiac action potentials. 2002 , 78, 45-81		18
764	Electrophysiologic characteristics of the spontaneous onset and termination of atrial fibrillation. 2002 , 90, 1215-20		24
763	Detection of atrial-flutter and atrial-fibrillation waveforms by fetal magnetocardiogram. <i>Medical and Biological Engineering and Computing</i> , 2002 , 40, 213-7	3.1	18
762	Mechanisms of antiarrhythmic drug actions and their clinical relevance for controlling disorders of cardiac rhythm. 2002 , 4, 401-10		3
761	Mapping studies in atrial fibrillation. 2002 , 13, 186-194		
760	Re-entry in computational models of ischaemic myocardium. 2002 , 13, 1671-1683		6
759	Novel electrophysiologic parameter of dispersion of atrial repolarization: comparison of different atrial pacing methods. 2002 , 13, 110-7		16
758	Electrical restitution and cardiac fibrillation. 2002 , 13, 292-5		61
757	Restitution, ventricular fibrillation, and drugs: where are we now?. 2002 , 13, 915-7		2
756	Extended distribution of prolonged and fractionated right atrial electrograms predicts development of chronic atrial fibrillation in patients with idiopathic paroxysmal atrial fibrillation. 2002 , 13, 996-1002		25
755	Effect of electrical and structural remodeling on spatiotemporal organization in acute and persistent atrial fibrillation. 2002 , 13, 1027-34		17
754	Has the chaos of ventricular fibrillation become clearer?. 2002 , 13, 1042-3		3

753	Effect of action potential duration and conduction velocity restitution and their spatial dispersion on alternans and the stability of arrhythmias. 2002 , 13, 1141-9		176
752	Electrical restitution and ventricular fibrillation: negotiating a slippery slope. 2002 , 13, 1150-1		27
751	Steepness of the restitution curve: a slippery slope?. 2002 , 13, 1173-5		22
750	Partial vagal denervation increases vulnerability to vagally induced atrial fibrillation. 2002 , 13, 1272-9		101
749	Vagal stimulation and atrial fibrillation: experimental models and clinical uncertainties. 2002 , 13, 1280-2		5
748	New ideas about atrial fibrillation 50 years on. 2002 , 415, 219-26		1125
747	Multiple mechanisms of spiral wave breakup in a model of cardiac electrical activity. <i>Chaos</i> , 2002 , 12, 852-892	3-3	467
746	Effects of adrenaline on electrophysiological parameters during short exposure to global ischemia. A ventricular fibrillation study in isolated heart. 2002 , 16, 111-9		3
745	Significance and control of cardiac arrhythmias in patients with congestive cardiac failure. 2002 , 7, 285-300		14
744	Experimental and clinical AF mechanisms: bridging the divide. 2003 , 9, 85-92		27
743	Use of fluoroscopic views for detecting Marshall's vein in patients with cardiac arrhythmias. 2003 , 9, 327-31		7
742	A novel approach to identifying antiarrhythmic drug targets. 2003 , 8, 162-7		30
741	Novel approaches to identifying antiarrhythmic drugs. 2003 , 13, 326-30		6
740	[Radiofrequency ablation of atrial fibrillation]. 2003 , 52, 258-63		3
739	Mechano-electric feedback and atrial fibrillation. 2003 , 82, 137-49		64
738	A brief history of sudden cardiac death and its therapy. 2003 , 100, 89-99		14
737	Estimation of entrainment response using electrograms from remote sites: validation in animal and computer models of reentrant tachycardia. 2003 , 14, 52-61		15
736	Increased dispersion of refractoriness in patients with atrial fibrillation in the early postoperative period after coronary artery bypass grafting. 2003 , 14, 28-31		17

735	Effect of amiodarone on dispersion of atrial refractoriness and cycle length in patients with atrial fibrillation. 2003 , 14, 485-91	16
734	Model for the onset of fibrillation following coronary artery occlusion. 2003 , 14, 1225-32	14
733	Mechanisms of atrial fibrillation. 2003 , 14, S267-74	63
732	Mechanisms of termination of atrial fibrillation by Class I antiarrhythmic drugs: evidence from clinical, experimental, and mathematical modeling studies. 2003 , 14, S133-9	26
731	Bepidil prevents paroxysmal atrial fibrillation by a class III antiarrhythmic drug effect. 2003 , 26, 314-7	12
730	Relation of age and sex to atrial electrophysiological properties in patients with no history of atrial fibrillation. 2003 , 26, 1238-44	29
729	Dissociated activity and pulmonary vein fibrillation following functional disconnection: impact for the arrhythmogenesis of focal atrial fibrillation. 2003 , 26, 1363-70	23
728	The pathophysiology of maintenance of atrial fibrillation. 2003 , 26, 1569-71	3
727	Inter-relationships between atrial flutter and atrial fibrillation. 2003 , 26, 1583-96	28
726	ELECTRICAL ACTIVITY AND REENTRY DURING ACUTE REGIONAL MYOCARDIAL ISCHEMIA: INSIGHTS FROM SIMULATIONS. 2003 , 13, 3703-3715	38
725	L-type Ca ²⁺ channels in atrial fibrillation: wallflowers or a vanishing act. 2003 , 35, 427-31	8
724	Sustained reentry in the left ventricle of fibrillating pig hearts. 2003 , 92, 539-45	36
723	Present treatment options for atrial fibrillation. 2003 , 79, 67-73	5
722	Understanding biological complexity: lessons from the past. 2003 , 17, 1-6	39
721	Ablate and pace revisited: long term survival and predictors of permanent atrial fibrillation. 2003 , 89, 1035-8	19
720	MATHEMATICAL MODELING OF CARDIAC ELECTRO-MECHANICS: FROM PROTEIN TO ORGAN. 2003 , 13, 3747-3755	3
719	ONSET AND TERMINATION OF REENTRANT EXCITATION IN HOMOGENEOUS HUMAN VIRTUAL ATRIAL TISSUE. 2003 , 13, 3631-3643	4
718	DEFECT-INDUCED PROPAGATION IN EXCITABLE MEDIA. 2003 , 13, 3125-3133	2

717	Preserved effects of potassium channel blockers in the pacing-induced remodeled canine atrium: a comparison between E4031 and azimilide. 2003 , 41, 678-85	4
716	Parameter estimation of spiral waves from atrial electrograms.	0
715	Comparison of time- and voltage-dependent K ⁺ currents in myocytes from left and right atria of adult mice. 2003 , 285, H1837-48	29
714	Computer model of the electrical excitation of the heart. 2003 , 36, 179-184	
713	Evaluation of the effect of bepridil on paroxysmal atrial fibrillation: relationship between efficacy and the f-f interval in surface ECG recordings. 2003 , 67, 11-5	11
712	Age-related changes in the electrophysiologic properties of the atrium in patients with no history of atrial fibrillation. 2003 , 44, 385-93	13
711	Reentry in heterogeneous cardiac tissue described by the Luo-Rudy ventricular action potential model. 2003 , 284, H542-8	71
710	Effects of heart isolation, voltage-sensitive dye, and electromechanical uncoupling agents on ventricular fibrillation. 2003 , 284, H1818-26	52
709	Dimensionality Effects in Cellular Automaton Modeling of Cardiac Dynamics. 2004 ,	
708	Left atrial dilatation resulting from chronic mitral regurgitation decreases spatiotemporal organization of atrial fibrillation in left atrium. 2004 , 286, H2452-60	31
707	References. 2004 , 299-322	
706	Computational Cardiology. 2004 ,	95
705	Feature extraction of the atrial fibrillation signal using the continuous wavelet transform. 2004 , 2006, 275-8	3
704	Repetitive 4-week periods of atrial electrical remodeling promote stability of atrial fibrillation: time course of a second factor involved in the self-perpetuation of atrial fibrillation. 2004 , 109, 1434-9	49
703	Atrial fibrillation. 2004 , 171, 755-60	24
702	Heterogeneity of action potential durations in isolated mouse left and right atria recorded using voltage-sensitive dye mapping. 2004 , 287, H2634-43	26
701	Atrial fibrillation and the graying of America. 2004 , 27, 285-6	
700	Development of atrial fibrillation in patients with atrioventricular block after atrioventricular synchronized pacing. 2004 , 27, 352-7	17

699	Evolution of mapping and anatomic imaging of cardiac arrhythmias. 2004 , 27, 1026-49	9
698	Propagation of normal beats and re-entry in a computational model of ventricular cardiac tissue with regional differences in action potential shape and duration. 2004 , 85, 473-99	41
697	Electromechanical model of excitable tissue to study reentrant cardiac arrhythmias. 2004 , 85, 501-22	269
696	Combined phase singularity and wavefront analysis for optical maps of ventricular fibrillation. 2004 , 51, 56-65	42
695	Quantifying ventricular fibrillation: in silico research and clinical implications. 2004 , 51, 195-6	10
694	Comparative psychometric analysis of vector and isochrone cardiac activation maps. 2004 , 51, 847-55	5
693	Electrophysiologic predictors of the recurrence of persistent atrial fibrillation within 30 days of cardioversion. 2004 , 93, 107-10	29
692	Age- and sex-related atrial electrophysiologic and structural changes. 2004 , 94, 373-5	28
691	Atrial electrophysiologic abnormalities in patients with Wolff-Parkinson-White syndrome but without paroxysmal atrial fibrillation. 2004 , 27, 396-400	2
690	Ventricular fibrillation: new insights into mechanisms. 2004 , 1015, 122-32	16
689	Pharmacological attenuation of apoptosis in reoxygenated endothelial cells. 2004 , 61, 3076-86	8
688	[Perspectives and limitations in the treatment of vagus-induced atrial fibrillation. Insights from cellular pharmacology]. 2004 , 99, 341-6	3
687	Restitution dynamics during pacing and arrhythmias in isolated pig hearts. 2004 , 15, 455-63	71
686	Role of action potential duration restitution in arrhythmogenesis. 2004 , 15, 464-5	2
685	Evolution of mapping and anatomic imaging of cardiac arrhythmias. 2004 , 15, 839-54	19
684	Brief history of cardiac arrhythmias since the end of the nineteenth century: part II. 2004 , 15, 101-11	6
683	Characterization of the critical cycle length of a left atrial driver which causes right atrial fibrillatory conduction. 2004 , 2004, 3960-3	3
682	Optical mapping system for recording action potential durations in adult mouse left and right atrium. 2004 , 2004, 3576-7	

681	Cell size and communication: role in structural and electrical development and remodeling of the heart. 2004 , 1, 500-15		99
680	Evolution of mapping and anatomic imaging of cardiac arrhythmias. 2004 , 1, 153C-176C		
679	Basic mechanisms of atrial fibrillation. 2004 , 22, 9-20		12
678	Evaluation of atrial refractoriness immediately after percutaneous mitral balloon commissurotomy in patients with mitral stenosis and sinus rhythm. <i>American Heart Journal</i> , 2004 , 147, 741-5	4-9	19
677	Catheter ablation of atrial fibrillation: its indication and problems. 2004 , 43, 164-6		1
676	Advances in Surgical Treatment of Atrial Fibrillation. 2005 , 135-151		
675	A case of sustained atrial fibrillation in a cat with a normal sized left atrium at the time of diagnosis. 2005 , 7, 137-42		3
674	Numerical simulation of stochastic PDEs for excitable media. 2005 , 175, 429-446		44
673	Ecclesiastes, cardiac arrest, and the electrocardiogram. 2005 , 28, 607-9		
672	Bachmann's bundle: does it play a role in atrial fibrillation?. 2005 , 28, 855-63		29
671	Surface atrial frequency analysis in patients with atrial fibrillation: assessing the effects of linear left atrial ablation. 2005 , 16, 838-44		24
670	Pacing to prevent atrial fibrillation: utility or futility?. 2005 , 16, 724-6		4
669	Mechanisms of atrial fibrillation: lessons from animal models. 2005 , 48, 9-28		170
668	The interrelationship between atrial fibrillation and atrial flutter. 2005 , 48, 41-56		36
667	Identification of cardiac rhythm features by mathematical analysis of vector fields. 2005 , 52, 19-29		23
666	Measuring curvature and velocity vector fields for waves of cardiac excitation in 2-D media. 2005 , 52, 50-63		29
665	Atrial fibrillation: basic mechanisms, remodeling and triggers. 2005 , 13, 181-93		72
664	Role of repolarization restitution in the development of coarse and fine atrial fibrillation in the isolated canine right atria. 2005 , 16, 639-45		12

663	Importance of geometry and refractory period in sustaining atrial fibrillation: testing the critical mass hypothesis. 2005 , 112, 17-13	66
662	. 2005 ,	7
661	Arrhythmogenic Mechanisms. 33-46	
660	In-Vivo Models of Atrial Fibrillation. 2005 , 129-149	1
659	Change of Electrical Restitution Kinetics and Ventricular Fibrillation Threshold during Direct Autonomic Stimulation in Canine Heart. 2005 , 35, 539	
658	The Effects of Obstacles on the Dynamics of Ventricular Fibrillation. 2005 , 35, 183	2
657	Substrate size as a determinant of fibrillatory activity maintenance in a mathematical model of canine atrium. 2005 , 289, H1002-12	88
656	Age-associated changes in electrophysiologic remodeling: a potential contributor to initiation of atrial fibrillation. 2005 , 66, 353-63	103
655	Molecular basis of arrhythmias. 2005 , 112, 2517-29	129
654	Should atrial fibrillation ablation be considered first-line therapy for some patients? Why atrial fibrillation ablation should be considered first-line therapy for some patients. 2005 , 112, 1214-22; discussion 1231	97
653	Localization of the site of origin of reentrant arrhythmia from body surface potential maps: a model study. 2005 , 50, 1421-32	7
652	Increased dispersion of ventricular repolarization during recovery from exercise. 2005 ,	5
651	Wave block formation in homogeneous excitable media following premature excitations: dependence on restitution relations. 2005 , 72, 031919	20
650	Viscoelastic Fitzhugh-Nagumo models. 2005 , 72, 041929	17
649	Linear cryoablation of the left atrium versus pulmonary vein cryoisolation in patients with permanent atrial fibrillation and valvular heart disease: correlation of electroanatomic mapping and long-term clinical results. 2005 , 111, 136-42	146
648	Role of permanent pacing to prevent atrial fibrillation: science advisory from the American Heart Association Council on Clinical Cardiology (Subcommittee on Electrocardiography and Arrhythmias) and the Quality of Care and Outcomes Research Interdisciplinary Working Group, in collaboration with the Heart Rhythm Society. 2005 , 111, 240-3	79
647	The dynamics of cardiac fibrillation. 2005 , 112, 1232-40	253
646	Of circles and spirals: bridging the gap between the leading circle and spiral wave concepts of cardiac reentry. 2005 , 7 Suppl 2, 10-20	100

645	Mechanisms of ventricular fibrillation in canine models of congestive heart failure and ischemia assessed by in vivo noncontact mapping. 2005 , 112, 1532-41	31
644	Wavelength and vulnerability to atrial fibrillation: Insights from a computer model of human atria. 2005 , 7 Suppl 2, 83-92	45
643	Simulated interactions between a Class III antiarrhythmic drug and a figure 8 reentry. 2005 , 53, 265-75	3
642	Ionic mechanisms of wavebreak in fibrillation. 2005 , 2, 660-3	17
641	Long-term changes in sequence of atrial activation and refractory periods: no evidence for "atrial memory". 2005 , 2, 155-61	6
640	Role of sinus node during atrial fibrillation : a novel insight from regional frequency analysis. 2005 ,	
639	Dispersion of cardiac action potential duration and the initiation of re-entry: a computational study. 2005 , 4, 11	40
638	Regional differences in APD restitution can initiate wavebreak and re-entry in cardiac tissue: a computational study. 2005 , 4, 54	38
637	Autonomically induced conversion of pulmonary vein focal firing into atrial fibrillation. 2005 , 45, 1878-86	253
636	Morphological Properties of Atrial Fibrillation Waves in Patients with Left Ventricular Dysfunction Spectral Analysis of Atrial Fibrillation Waves in Dilated Cardiomyopathy <i>Journal of Arrhythmia</i> , 2006 , 22, 92-97	1.5
635	[Time, space and frequency in ventricular fibrillation]. 2006 , 59, 859-61	0
634	The year in clinical electrophysiology. 2006 , 47, 1207-13	4
633	Current strategies in the management of atrial fibrillation. 2006 , 82, 357-64	27
632	Preoperative atrial histological changes are not associated with postoperative atrial fibrillation. 2006 , 15, 213-7	18
631	Inflammatory markers are not associated with outcomes following elective external cardioversion. 2006 , 110, 373-7	19
630	Effect of nifekalant on acute electrical remodelling in rapid atrial pacing canine model. 2006 , 119, 2056-2061	4
629	Long-term follow-up of changes in fibrillation waves in patients with persistent atrial fibrillation: spectral analysis of surface ECG. 2006 , 70, 169-73	17
628	The role of heterogeneities and intercellular coupling in wave propagation in cardiac tissue. 2006 , 364, 1299-311	39

627	Electrical Activity in Cardiac Tissue, Modeling of. 2006,		
626	Atrial Fibrillation and Atrial Flutter. 2006,		
625	Méthodes ablatives. 2006, 1, 1-15		
624	Simulation of impulse propagation in cardiac tissue. 1966, 128, 766-71		3
623	The short QT syndrome as a paradigm to understand the role of potassium channels in ventricular fibrillation. 2006, 259, 24-38		28
622	Dynamics of three-state excitable units on Poisson vs. power-law random networks. 2006, 367, 595-612		10
621	Control of waves, patterns and turbulence in chemical systems. <i>Physics Reports</i> , 2006, 425, 79-194	27.7	347
620	Analysis of electrocardiograms during atrial fibrillation. A biophysical model approach. 2006, 25, 79-88		117
619	The effects of caffeine on the inducibility of atrial fibrillation. 2006, 39, 421-5		32
618	Phase singularities and filaments: simplifying complexity in computational models of ventricular fibrillation. 2006, 90, 378-98		80
617	Role of connexins in atrial fibrillation. 2006, 42, 161-174		16
616	Structural atrial remodeling alters the substrate and spatiotemporal organization of atrial fibrillation: a comparison in canine models of structural and electrical atrial remodeling. 2006, 291, H2911-23		91
615	Lifetimes of epicardial rotors in panoramic optical maps of fibrillating swine ventricles. 2006, 291, H1935-41		42
614	Critical mass hypothesis revisited: role of dynamical wave stability in spontaneous termination of cardiac fibrillation. 2006, 290, H255-63		49
613	Universal scaling law of electrical turbulence in the mammalian heart. 2007, 104, 20985-9		39
612	Pharmacologic targets for atrial fibrillation. 2007, 11, 1161-78		1
611	A biophysical model of atrial fibrillation ablation: what can a surgeon learn from a computer model?. 2007, 9 Suppl 6, vi71-6		15
610	Negative filament tension in the Luo-Rudy model of cardiac tissue. <i>Chaos</i> , 2007, 17, 015102	3.3	27

609	Mounting evidence that fibrosis generates a major mechanism for atrial fibrillation. 2007 , 101, 743-5	45
608	Use of a biophysical model of atrial fibrillation in the interpretation of the outcome of surgical ablation procedures. 2007 , 32, 90-5	16
607	Spatiotemporal relationship between intracellular Ca ²⁺ dynamics and wave fragmentation during ventricular fibrillation in isolated blood-perfused pig hearts. 2007 , 101, e90-101	22
606	[Atrial fibrillation up to date. 1) Electrophysiology of the atrial muscles/pulmonary vein as the bases of fibrillation and their modification]. 2007 , 96, 1894-8	
605	Electrophysiology of ventricular fibrillation and defibrillation. 101-127	
604	Ventricular fibrillation: dynamics and ion channel determinants. 2007 , 71 Suppl A, A1-11	11
603	Atrial fibrillation ablation: evolution of the curative approach. 2007 , 9, 1129-1135	1
602	Shedding new light on the pathophysiology of conversion of paroxysmal atrial fibrillation into persistent atrial fibrillation. <i>American Heart Journal</i> , 2007 , 154, 801-4	4-9 2
601	Atrial fibrosis and the mechanisms of atrial fibrillation. 2007 , 4, S24-7	227
600	Heterogeneity and cardiac arrhythmias: an overview. 2007 , 4, 964-72	124
599	Vernakalant (RSD1235): a novel, atrial-selective antifibrillatory agent. 2007 , 16, 519-32	88
598	Pulmonary veins and the initiation of atrial fibrillation: are we getting closer to understanding their role?. 2007 , 4, 1563-4	
597	The challenge of cardiac tridimensional mapping. 2007 , 4, 1437-40	4
596	HRS/EHRA/ECAS expert Consensus Statement on catheter and surgical ablation of atrial fibrillation: recommendations for personnel, policy, procedures and follow-up. A report of the Heart Rhythm Society (HRS) Task Force on catheter and surgical ablation of atrial fibrillation. 2007 , 4, 816-61	1046
595	¿Qu'es y c'ho se diagnostica la fibrilaci' auricular?. 2007 , 60, 93-96	1
594	Action potential duration dispersion and alternans in simulated heterogeneous cardiac tissue with a structural barrier. 2007 , 92, 1138-49	22
593	Panoramic optical mapping reveals continuous epicardial reentry during ventricular fibrillation in the isolated swine heart. 2007 , 92, 1090-5	34
592	What Exactly Is Atrial Fibrillation and How Do We Diagnose it?. 2007 , 60, 93-96	

591	Development of device therapy for ventricular arrhythmias. 2007 , 16, 162-9	4
590	Short-term cardiac memory and mother rotor fibrillation. 2007 , 292, H180-9	35
589	Effect of Left Atrial Decompression by Percutaneous Balloon Mitral Commissurotomy on the Atrial Electrophysiologic Properties. 2007 , 37, 208	1
588	Electrophysiological differences of the spontaneous onset of paroxysmal and persistent atrial fibrillation. 2007 , 30, 295-303	7
587	Atrial activation occurring immediately after successful cardioversion of atrial fibrillation. 2008 , 31, 88-92	
586	Gradients of atrial refractoriness and inducibility of atrial fibrillation due to stimulation of ganglionated plexi. 2007 , 18, 83-90	138
585	Atrial extracellular matrix remodelling in patients with atrial fibrillation. 2008 , 12, 189-208	97
584	Multiple wavelets, rotors, and snakes in atrial fibrillation--a computer simulation study. 2007 , 40, 328-34	23
583	Idiopathic ventricular fibrillation. 2007 , 32, 233-9	11
582	Mechanisms of human atrial fibrillation: Lessons learned from 20 years of atrial fibrillation surgery. 2007 , 20, 59-64	4
581	The contribution of refractoriness to arrhythmic substrate in hypokalemic Langendorff-perfused murine hearts. 2007 , 454, 209-22	45
580	Stellenwert der Katheterablation bei paroxysmalem und persistierendem/permanentem Vorhofflimmern. 2007 , 2, IV64-IV70	
579	Advances in mechanisms of atrial fibrillation: structural remodeling, high-frequency fractionated electrograms, and reentrant AF drivers. 2008 , 23, 45-9	7
578	The history of atrial fibrillation: the last 100 years. 2008 , 19, 575-82	33
577	The role of IKs in atrial arrhythmogenesis. 2008 , 586, 927-8	1
576	A guide to modelling cardiac electrical activity in anatomically detailed ventricles. 2008 , 96, 19-43	144
575	Multi-scale computational modelling in biology and physiology. 2008 , 96, 60-89	120
574	Biology and Mechanics of Blood Flows. 2008 ,	5

573	Left atrial volume is a predictor of atrial fibrillation recurrence after catheter ablation. 2008 , 21, 697-702	111
572	Minimally invasive surgical pulmonary vein isolation alone for persistent atrial fibrillation: preliminary results of epicardial atrial electrogram analysis. 2008 , 86, 1219-25	17
571	Molecular genetics of atrial fibrillation. 2008 , 52, 241-50	79
570	Dynamics factors preceding the initiation of atrial fibrillation in humans. 2008 , 5, S22-5	2
569	Atrial fibrillation: a historical perspective. 2008 , 92, 1-15, ix	5
568	Understanding Atrial Fibrillation: The Signal Processing Contribution, Part II. 2008 , 3, 1-139	5
567	Effect of heterogeneous APD restitution on VF organization in a model of the human ventricles. 2008 , 294, H764-74	58
566	Mechanisms for the genesis of paroxysmal atrial fibrillation in the Wolff Parkinson-White syndrome: intrinsic atrial muscle vulnerability vs. electrophysiological properties of the accessory pathway. 2008 , 10, 294-302	53
565	Visualization of spiral and scroll waves in simulated and experimental cardiac tissue. 2008 , 10, 125016	154
564	Epicardial wavefronts arise from widely distributed transient sources during ventricular fibrillation in the isolated swine heart. 2008 , 10, 015004	8
563	Cardiac arrhythmias induced by an electrical stimulation at a cellular level. 2008 ,	1
562	Modeling atrial arrhythmias: impact on clinical diagnosis and therapies. 2008 , 1, 94-114	47
561	Formation of fast spirals on heterogeneities of an excitable medium. 2008 , 78, 012901	5
560	Intrinsic inhomogeneities and the coexistence of spirals with different periods of rotation. 2008 , 78, 051914	1
559	[Physiopathology and therapeutic approach to auricular fibrillation]. 2008 , 97, 586-90	
558	Pathophysiology of Atrial Fibrillation. 2008 , 21-29	
557	Surgical Ablation of Arrhythmias Associated with Congenital Cardiopathies. 2008 , 215-233	
556	Surgical Treatment of Atrial Fibrillation: A Retrospection. 2008 , 87-99	

555	Lipid-altering therapy and atrial fibrillation. 2008 , 16, 197-204	10
554	. 2008 ,	4
553	. 2008 ,	
552	Influência da estimulação biatrial temporária externa na prevenção da fibrilação atrial no pós-operatório de revascularização miocárdica sem circulação extracorpórea. 2008 , 90, 87-93	
551	Atrial Flutter and Atrial Fibrillation. 2008 , 361-383	
550	Catheter ablation for paroxysmal and persistent atrial fibrillation. 2008 ,	1
549	Surgery for Atrial Fibrillation: From Scalpel to Catheter and Back?. 2009 , 233-239	
548	Computer Simulation Studies of Atrial Fibrillation. 2009 , 43-51	
547	Atrial Fibrillation. 2009 , 208-286	0
546	Reversal atrial electrical remodeling following cardioversion of long-standing lone atrial fibrillation. 2009 , 93, 213-20	4
545	Spiral-wave turbulence and its control in the presence of inhomogeneities in four mathematical models of cardiac tissue. 2009 , 4, e4738	59
544	Angiotensin II receptor blockers in the prevention of atrial fibrillation. 2009 , 10, 1395-411	2
543	Phase statistics approach to human ventricular fibrillation. 2009 , 80, 051917	7
542	Atrial tissue Doppler imaging for prediction of new-onset atrial fibrillation. 2009 , 95, 835-40	114
541	Contemporary management of atrial fibrillation: update on anticoagulation and invasive management strategies. 2009 , 84, 643-62	51
540	Ventricular rhythm in atrial fibrillation under anaesthetic infusion with propofol. 2009 , 30, 833-45	2
539	A computational study of mother rotor VF in the human ventricles. 2009 , 296, H370-9	52
538	An acute experimental model demonstrating 2 different forms of sustained atrial tachyarrhythmias. 2009 , 2, 384-92	36

537	Dominant frequency of atrial fibrillation correlates poorly with atrial fibrillation cycle length. 2009 , 2, 634-44	43
536	Atrial fibrillation: focal or reentrant or both?: a new autonomic lens to examine an old riddle. 2009 , 2, 345-8	11
535	Combination of computer simulations and experimental measurements as the training dataset for statistical estimation of epicardial activation maps from venous catheter recordings. 2009 , 56, 837-45	2
534	Change in conduction velocity due to fiber curvature in cultured neonatal rat ventricular myocytes. 2009 , 56, 855-61	12
533	The genetic basis of long QT and short QT syndromes: a mutation update. 2009 , 30, 1486-511	317
532	Kleine Schnitte große Wirkung. 2009 , 23, 145-154	1
531	Evaluation of atrial vulnerability immediately after radiofrequency catheter ablation of accessory pathway in patients with Wolff-Parkinson-White syndrome. 2009 , 26, 217-24	3
530	Inhibitory effects of tetrandrine on the Na(+) channel of human atrial fibrillation myocardium. 2009 , 30, 166-74	12
529	Noninvasive evidence of shortened atrial refractoriness during sinus rhythm in patients with paroxysmal atrial fibrillation. 2009 , 32, 302-7	8
528	Does electrogram guided substrate ablation add to the success of pulmonary vein isolation in patients with paroxysmal atrial fibrillation? A prospective, randomized study. 2009 , 20, 514-21	68
527	Exploring reentrant arrhythmias with numerical experiments: generic properties and model complexity. 2009 , 20, 685-8	1
526	Atrial fibrillation: mechanistic insights and treatment options. 2009 , 20, 672-81	51
525	Ventricular Fibrillation: A Historical Perspective. 2009 , 41-59	
524	Monitoring intramyocardial reentry using alternating transillumination. 2009 , 2009, 4194-7	12
523	Left atrial voltage during atrial fibrillation in paroxysmal and persistent atrial fibrillation patients. 2010 , 33, 541-8	26
522	Patient selection and classification for atrial fibrillation ablation: thinking beyond duration. 2009 , 6, 1522-5	4
521	Atrial fibrillation: a historical perspective. 2009 , 27, 1-12, vii	3
520	Contemporary Management of Atrial Fibrillation: Update on Anticoagulation and Invasive Management Strategies. 2009 , 84, 643-662	40

519	Role of atrial substrate and spatiotemporal organization in atrial fibrillation. 2009 , 6, S1-7	11
518	Mechanisms of VF maintenance: wandering wavelets, mother rotors, or foci. 2009 , 6, 405-15	48
517	Atrial fibrillation: the mother rotor and its rebellious offspring take turns sustaining the family. 2009 , 6, 1018-9	6
516	The role of inflammation in atrial fibrillation: a myth or a fact?. 2009 , 338, 494-9	7
515	Pathophysiological insights into atrial fibrillation following cardiac surgery: implications for current pharmaceutical design. 2009 , 15, 3367-83	9
514	Does a concomitant Cox-maze procedure improve survival in atrial fibrillation?. 2010 , 110, 417-22	
513	Role of progressive widening of the temporal excitable gap for perpetuation of atrial fibrillation in the goat. 2010 , 74, 655-63	6
512	Mechanisms of very fast oscillations in networks of axons coupled by gap junctions. 2010 , 28, 539-55	18
511	Acute atrial arrhythmogenesis in murine hearts following enhanced extracellular Ca(2+) entry depends on intracellular Ca(2+) stores. 2010 , 198, 143-58	10
510	Repolarization of the cardiac action potential. Does an increase in repolarization capacity constitute a new anti-arrhythmic principle?. 2010 , 198 Suppl 676, 1-48	56
509	Periods of highly synchronous, non-reentrant endocardial activation cycles occur during long-duration ventricular fibrillation. 2010 , 21, 1266-73	31
508	Mechanisms of fibrillation: neurogenic or myogenic? Reentrant or focal? Multiple or single? Still puzzling after 160 years of inquiry. 2010 , 21, 1274-5	4
507	[Multiscale modeling of cardiac electrical activity]. 2010 , 26, 57-64	1
506	Electropathological substrate of longstanding persistent atrial fibrillation in patients with structural heart disease: epicardial breakthrough. 2010 , 122, 1674-82	237
505	MicroRNA-328 contributes to adverse electrical remodeling in atrial fibrillation. 2010 , 122, 2378-87	333
504	Ablation to treat atrial fibrillation: beyond rhythm control. 2010 , 30, 68-79	3
503	Animal models for atrial fibrillation: clinical insights and scientific opportunities. 2010 , 12, 160-72	112
502	Drugs vs. ablation for the treatment of atrial fibrillation: the evidence supporting catheter ablation. 2010 , 31, 1046-54	76

501 Fibrilaci3 auricular. Generalidades. indicaci3 de la ablaci3. **2010**, 17, 173-179

500 Notice of Retraction: Inserting accurate shape of cardiac action potential in Cellular Automata model of propagation. **2010**,

499 Transmural characteristics of atrial fibrillation in canine models of structural and electrical atrial remodeling assessed by simultaneous epicardial and endocardial mapping. **2010**, 7, 506-17 22

498 Computer Modeling of Electrical Activation: From Cellular Dynamics to the Whole Heart. **2010**, 159-185 5

497 Impact of genetic discoveries on the classification of lone atrial fibrillation. **2010**, 55, 705-12 70

496 Noninvasive characterization of epicardial activation in humans with diverse atrial fibrillation patterns. **2010**, 122, 1364-72 240

495 The Forward Problem of Electrocardiography. **2010**, 247-298 9

494 Patient-Specific Modeling of the Cardiovascular System. **2010**, 7

493 Mechanosensitivity of the Heart. **2010**, 3

492 Fibroblasts alter spiral wave stability. *Chaos*, **2010**, 20, 045103 3,3 12

491 The Inverse Problem of Electrocardiography. **2010**, 299-344 32

490 Contemporary management of atrial fibrillation: a brief review. **2010**, 55, 130-6 2

489 A time-series approach for shock outcome prediction using machine learning. **2010**,

488 Involving action potential morphology on a new Cellular Automata model of cardiac action potential propagation. **2010**,

487 History of Basic Science in Cardiac Electrophysiology. **2011**, 3, 1-10

486 Pharmacological treatment of atrial fibrillation: what does it take?. **2011**, 8, 1940-1

485 Mechanisms Underlying Atrial Fibrillation. **2011**, 3, 141-156

484 Suppression of re-entrant and multifocal ventricular fibrillation by the late sodium current blocker ranolazine. **2011**, 57, 366-75 91

483	Cardiac ion channels and mechanisms for protection against atrial fibrillation. 2012 , 162, 1-58	10
482	Regenerating the Heart. 2011 ,	1
481	Clinical Cardiogenetics. 2011 ,	3
480	ECG of the Month. Atrial fibrillation. 2011 , 238, 1258-60	0
479	Endocardial Cryoablation of Atrial Fibrillation. 2011 , 219-226	
478	Characterization of atrial activation (A-A) intervals during atrial fibrillation due to a single driver: do they reflect atrial effective refractory periods?. 2011 , 22, 310-5	2
477	Learning by burning in atrial fibrillation: an uncertain, complicated quest. 2011 , 22, 513-5	1
476	Acute vagal modulation of electrophysiology of the atrial and pulmonary veins increases vulnerability to atrial fibrillation. 2011 , 96, 125-33	18
475	The use of biological cellular automaton models in medical, health and biological studies. 2011 , 28, 825-831	5
474	Models of cardiac tissue electrophysiology: progress, challenges and open questions. 2011 , 104, 22-48	363
473	Chaos in the genesis and maintenance of cardiac arrhythmias. 2011 , 105, 247-57	73
472	Experiment-model interaction for analysis of epicardial activation during human ventricular fibrillation with global myocardial ischaemia. 2011 , 107, 101-11	13
471	Sinus rhythm restoration and treatment success: insight from recent clinical trials. 2011 , 34, 12-22	12
470	Archetype, adaptation and the mammalian heart. 2011 , 19, 142-148	11
469	Predicting defibrillation success with a multiple-domain model using machine learning. 2011 ,	2
468	Relating spatial heterogeneities to rotor formation in studying human ventricular fibrillation. 2011 , 2011, 231-4	11
467	Emergence of complex behavior: an interactive model of cardiac excitation provides a powerful tool for understanding electric propagation. 2011 , 4, 586-91	21
466	Surgical treatment of atrial fibrillation: a review. 2011 , 2011, 214940	5

465	Recent clinical and experimental advances in atrial fibrillation. 2011 , 2011, 958189	3
464	MicroRNAs and atrial fibrillation: new fundamentals. 2011 , 89, 710-21	79
463	Human ventricular fibrillation during global ischemia and reperfusion: paradoxical changes in activation rate and wavefront complexity. 2011 , 4, 684-91	23
462	DJ ^{vu} in the theories of atrial fibrillation dynamics. 2011 , 89, 766-75	81
461	Prognostic value of total atrial conduction time estimated with tissue Doppler imaging to predict the recurrence of atrial fibrillation after radiofrequency catheter ablation. 2011 , 13, 1533-40	71
460	European Perspectives. 2011 , 124,	
459	INVESTIGATION OF MICRO SPIRAL WAVES AT CELLULAR LEVEL USING A MICROELECTRODE ARRAYS TECHNOLOGY. 2011 , 21, 209-223	9
458	Pathophysiological mechanisms of atrial fibrillation: a translational appraisal. 2011 , 91, 265-325	785
457	Role of Cholinergic Innervation and RGS2 in Atrial Arrhythmia. <i>Frontiers in Physiology</i> , 2012 , 3, 239	4.6 11
456	Translational research in atrial fibrillation: a quest for mechanistically based diagnosis and therapy. 2012 , 5, 1207-15	19
455	An image-based model of atrial muscular architecture: effects of structural anisotropy on electrical activation. 2012 , 5, 361-70	79
454	Ablation of multi-wavelet re-entry: general principles and in silico analyses. 2012 , 14 Suppl 5, v106-v111	19
453	Diastolic dysfunction and risk of atrial fibrillation: a mechanistic appraisal. 2012 , 126, 2353-62	121
452	Panoramic optical mapping shows wavebreak at a consistent anatomical site at the onset of ventricular fibrillation. 2012 , 93, 272-9	15
451	The impact of height on the risk of atrial fibrillation: the Cardiovascular Health Study. 2012 , 33, 2709-17	63
450	Spironolactone prevents aldosterone induced increased duration of atrial fibrillation in rat. 2012 , 29, 833-40	31
449	Méthodes ablatives. 2012 , 7, 1-21	
448	2012 HRS/EHRA/ECAS Expert Consensus Statement on Catheter and Surgical Ablation of Atrial Fibrillation: recommendations for patient selection, procedural techniques, patient management and follow-up, definitions, endpoints, and research trial design. 2012 , 14, 528-606	1160

447	Atrial Fibrillation. 2012 , 290-374		2
446	Catheter ablation of atrial arrhythmias: state of the art. 2012 , 380, 1509-19		108
445	2012 HRS/EHRA/ECAS expert consensus statement on catheter and surgical ablation of atrial fibrillation: recommendations for patient selection, procedural techniques, patient management and follow-up, definitions, endpoints, and research trial design: a report of the Heart Rhythm Society (HRS) Task Force on Catheter and Surgical Ablation of Atrial Fibrillation. Developed in		1314
444	Emergence of spiral wave activity in a mechanically heterogeneous reaction-diffusion-mechanics system. 2012 , 108, 2281-104. <i>Journal of Physiology (ESC)</i> and the E. 2012 , 9, 632-696.e21		18
443	Catheter ablation for paroxysmal and persistent atrial fibrillation. 2012 , CD007101		19
442	Educational software for the learning of electrical activation in the heart: A simple cellular automaton model. 2012 , 1, 137-143		1
441	Mathematical modeling of ventricular disturbances following atrial fibrillation. 2012 , 57, 371-376		1
440	Mapping of Rotors in Atrial Fibrillation: From Animal Models to Humans. 2012 , 108-118		
439	Modeling of Atrial Fibrillation. 2012 , 131-139		6
438	Mapping of Atrial Repolarization Changes and Tachyarrhythmia Sites of Origin During Activation of Mediastinal Nerve Inputs to the Intrinsic Cardiac Nervous System. 2012 , 172-178		
437	The allure of the F-files. 2012 , 23, 1286-8		
436	A FIRM grip on atrial fibrillation. 2012 , 60, 637-8		
435	Catheter ablation of atrial fibrillation guided by complex fractionated atrial electrogram mapping with or without pulmonary vein isolation. <i>Journal of Arrhythmia</i> , 2012 , 28, 311-323	1.5	9
434	Pulmonary Veins and Cardiac Veins. 2012 , 79-89		
433	Computational modeling of the human atrial anatomy and electrophysiology. <i>Medical and Biological Engineering and Computing</i> , 2012 , 50, 773-99	3.1	90
432	The Structural Basis of Arrhythmia. 2012 , 571-582		1
431	Computational mapping identifies localized mechanisms for ablation of atrial fibrillation. 2012 , 7, e46034		75
430	Computer modeling of ventricular fibrillation. 2012 , 57, 247-252		4

429	2012 HRS/EHRA/ECAS expert consensus statement on catheter and surgical ablation of atrial fibrillation: recommendations for patient selection, procedural techniques, patient management and follow-up, definitions, endpoints, and research trial design. 2012 , 33, 171-257		250
428	Contribution of the Purkinje network to wave propagation in the canine ventricle: insights from a combined electrophysiological-anatomical model. 2012 , 68, 365-379		12
427	Spatial complexity and spectral distribution variability of atrial activity in surface ECG recordings of atrial fibrillation. <i>Medical and Biological Engineering and Computing</i> , 2012 , 50, 439-46	3.1	7
426	Mathematical modeling and simulation of ventricular activation sequences: implications for cardiac resynchronization therapy. 2012 , 5, 146-58		9
425	Coronary artery disease potentiates response to dofetilide for rhythm control of atrial fibrillation. 2012 , 35, 170-3		4
424	Atrial fibrillation in patients with Wolff-Parkinson-White syndrome: role of pulmonary veins. 2012 , 23, 280-6		12
423	A Simplified Approach for Simultaneous Measurements of Wavefront Velocity and Curvature in the Heart Using Activation Times. 2013 , 4, 520-534		6
422	Negative tension of scroll wave filaments and turbulence in three-dimensional excitable media and application in cardiac dynamics. 2013 , 75, 1351-76		19
421	Common threads in atrial fibrillation and heart failure. 2013 , 9, 373-83, vii		4
420	The QT interval and risk of incident atrial fibrillation. 2013 , 10, 1562-8		65
419	Atrial fibrillation: to map or not to map?. 2014 , 22, 259-66		21
418	Atrial fibrillation outcomes: changing the paradigm. 2013 , 166, 545-7		4
417	Association of inflammatory factors with occurrence and recurrence of atrial fibrillation: a meta-analysis. 2013 , 169, 62-72		124
416	Mechanisms of Cardiac Arrhythmia. 2013 , 93-128		
415	BURSTING IN CELLULAR AUTOMATA AND CARDIAC ARRHYTHMIAS. 2013 , 135-145		
414	And the beat goes on...the beat goes on: organization and quasi-periodicity in ventricular fibrillation. 2013 , 99, 375-7		
413	Ablation of multiwavelet re-entry guided by circuit-density and distribution: maximizing the probability of circuit annihilation. 2013 , 6, 1229-35		13
412	Rotors and the dynamics of cardiac fibrillation. 2013 , 112, 849-62		258

411	Frequency analysis of atrial action potential alternans: a sensitive clinical index of individual propensity to atrial fibrillation. 2013 , 6, 859-67	20
410	Atrial arrhythmias in obstructive sleep apnea: underlying mechanisms and implications in the clinical setting. 2013 , 2013, 426758	13
409	High density mapping of atrial fibrillation during vagal nerve stimulation in the canine heart: restudying the Moe hypothesis. 2013 , 24, 328-35	52
408	Getting to the core of AF irregularity: are we there yet?. 2013 , 24, 207-9	
407	Models of ventricular arrhythmia mechanisms. 2013 , 2013, 1526-9	1
406	"Fibrillating atrium: rabbit warren! Not beehive!". 2013 , 24, 336-7	3
405	More Musing About the Inter-relationships of Atrial Fibrillation and Atrial Flutter and Their Clinical Implications. 2013 , 6, 453-454	4
404	Surgical treatment of atrial fibrillation. 2013 , 56, 805	3
403	Action potential duration heterogeneity of cardiac tissue can be evaluated from cell properties using Gaussian Green's function approach. 2013 , 8, e79607	14
402	Atrial Fibrillation and the Renin-Angiotensin-Aldosterone System. 2013 ,	2
401	Theory of Rotors and Arrhythmias. 2014 , 341-350	5
400	Supraventricular Arrhythmias in a Realistic 3D Model of the Human Atria. 2014 , 351-359	
399	Rotors in Human Atrial Fibrillation. 2014 , 433-442	
398	Mechanisms of Atrial Fibrillation - Reentry, Rotors and Reality. 2014 , 3, 90-100	34
397	Initiation of Ventricular Fibrillation by a Single Ectopic Beat in Three Dimensional Numerical Models of Ischemic Heart Disease: Abrupt Transition to Chaos. 2014 , 05,	3
396	Epicardial wave mapping in human long-lasting persistent atrial fibrillation: transient rotational circuits, complex wavefronts, and disorganized activity. 2014 , 35, 86-97	134
395	The early stage of the atrial electroanatomic remodeling as substrates for atrial fibrillation in hypertensive patients. 2014 , 3, e001033	7
394	Computational mapping in atrial fibrillation: how the integration of signal-derived maps may guide the localization of critical sources. 2014 , 16, 714-23	28

393	Turbulent electrical activity at sharp-edged inexcitable obstacles in a model for human cardiac tissue. 2014 , 307, H1024-35	14
392	Verapamil reduces incidence of reentry during ventricular fibrillation in pigs. 2014 , 307, H1361-9	5
391	Diastolic dysfunction, cardiopulmonary bypass, and atrial fibrillation after coronary artery bypass graft surgery. 2014 , 113, 815-21	15
390	CrossTalk proposal: Rotors have been demonstrated to drive human atrial fibrillation. 2014 , 592, 3163-6	48
389	Atrial fibrillation compendium: historical context and detailed translational perspective on an important clinical problem. 2014 , 114, 1447-52	22
388	Pathogenesis of Atrial Fibrillation. 2014 , 7-10	1
387	Conduction characteristics in atrial fibrillation. Predictive value of tissue Doppler echocardiography. 2014 , 39, 137-41	12
386	Multiscale computational analysis of the bioelectric consequences of myocardial ischaemia and infarction. 2014 , 16, 405-15	17
385	Atrial fibrillation: a progressive atrial myopathy or a distinct disease?. 2014 , 171, 126-33	18
384	Nonlinear and Stochastic Dynamics in the Heart. <i>Physics Reports</i> , 2014 , 543, 61-162	27.7 121
383	Social Computing and Social Media. 2014 ,	
382	2014 AHA/ACC/HRS guideline for the management of patients with atrial fibrillation: executive summary: a report of the American College of Cardiology/American Heart Association Task Force on practice guidelines and the Heart Rhythm Society. 2014 , 130, 2071-104	1447
381	Mechanisms of Atrial Arrhythmias. 2014 ,	2
380	Virtual ablation for atrial fibrillation in personalized in-silico three-dimensional left atrial modeling: comparison with clinical catheter ablation. 2014 , 116, 40-7	31
379	Clinical application of the fibrillation number in patients with an implantable cardioverter defibrillator. 2014 , 116, 33-9	1
378	A brief history of tissue models for cardiac electrophysiology. 2014 , 61, 1457-65	35
377	Cardiac potassium channel subtypes: new roles in repolarization and arrhythmia. 2014 , 94, 609-53	145
376	Mathematical approaches to understanding and imaging atrial fibrillation: significance for mechanisms and management. 2014 , 114, 1516-31	68

375	Rotors as drivers of atrial fibrillation and targets for ablation. 2014 , 16, 509	12
374	Essentials of Atrial Fibrillation. 2014 ,	1
373	Atrial fibrillation ablation: translating basic mechanistic insights to the patient. 2014 , 64, 823-31	58
372	Current status and future catheter ablation strategies in atrial fibrillation. 2014 , 56, e19-e26	3
371	Update on atrial fibrillation. 2014 , 66, 193-216	3
370	Impact of atrial remodeling on the outcome of radiofrequency catheter ablation of paroxysmal atrial fibrillation. 2014 , 78, 872-7	22
369	Rotors and focal sources for human atrial fibrillation: mechanistic paradigm with direct clinical relevance. 2014 , 78, 2357-66	7
368	Simulation of electrochemical processes in cardiac tissue based on cellular automaton. 2014 , 66, 012019	1
367	A contemporary review on the genetic basis of atrial fibrillation. 2014 , 10, 18-24	14
366	Antiarrhythmic and electrophysiologic effects of flecainide on acutely induced atrial fibrillation in healthy horses. 2015 , 29, 339-47	22
365	Catheter ablation for atrial fibrillation: past, present, and future. 2015 , 7-16	
364	How to select target sites in electrogram-guided ablation options, techniques, and results. 2015 , 191-205	
363	Mapping and ablation of electrical rotor and focal sources for atrial fibrillation: a patient-tailored mechanistic approach. 2015 , 271-282	
362	Modeling Sources of Atrial Fibrillation on a Triangulated Sphere. 2015 , 49, 112-115	
361	A cellular automaton model for the ventricular myocardium considering the layer structure. 2015 , 24, 090503	2
360	Atrial fibrillation: mechanisms, therapeutics, and future directions. 2015 , 5, 649-65	52
359	. 2015 ,	
358	Prospectively quantifying the propensity for atrial fibrillation: a mechanistic formulation. 2015 , 10, e0118746	3

357	The diagnosis and management of atrial fibrillation in the horse. 2015 , 6, 83-90	4
356	Three-dimensional cardiac computational modelling: methods, features and applications. 2015 , 14, 35	89
355	Atrial fibrillation after cardiac surgery: clinical update on mechanisms and prophylactic strategies. 2015 , 29, 806-16	40
354	Feasibility of visualizing higher regions of Shannon entropy in atrial fibrillation patients. 2015 , 2015, 4499-502	10
353	. 2015 ,	1
352	A new coefficient of concordance with applications to biosignal analysis. 2015 ,	
351	Ablation of Atrial Fibrillation: How Can Less Be More?. 2015 , 8, 1303-5	4
350	Phase synchrony reveals organization in human atrial fibrillation. 2015 , 309, H2118-26	10
349	Agent-based modelling of excitation propagation in social media groups. 2015 , 27, 373-388	4
348	Fibrillation number based on wavelength and critical mass in patients who underwent radiofrequency catheter ablation for atrial fibrillation. 2015 , 62, 673-9	14
347	Mechanisms of ventricular arrhythmias: from molecular fluctuations to electrical turbulence. 2015 , 77, 29-55	68
346	Simple model for identifying critical regions in atrial fibrillation. 2015 , 114, 028104-28104	26
345	Diseases of the Cardiac Pump. 2015 ,	1
344	Human persistent atrial fibrillation is maintained by rotors: the jury is still out. 2015 , 8, 517-9	4
343	De l'arythmie perpétuelle à la fibrillation auriculaire. 2015 , 2015, 40-42	
342	A Systematic Review on the Progression of Paroxysmal to Persistent Atrial Fibrillation: Shedding New Light on the Effects of Catheter Ablation. <i>JACC: Clinical Electrophysiology</i> , 2015 , 1, 105-115	4.6 43
341	Atrial fibrillation ablation: indications, emerging techniques, and follow-up. 2015 , 58, 202-12	4
340	Patients with minimal atrial fibrillation events should not undergo concomitant atrial ablation during open heart procedures. 2015 , 7, 395-401	3

339	Left atrial dyssynchrony time measured by tissue Doppler imaging to predict atrial fibrillation recurrences after pulmonary vein isolation. 2015 , 15, 115-22		5
338	[Catheter ablation of persistent atrial fibrillation : pulmonary vein isolation, ablation of fractionated electrograms, stepwise approach or rotor ablation?]. 2015 , 40, 31-6		3
337	Mechanisms Underlying AF: Triggers, Rotors, Other?. 2015 , 17, 371		8
336	Modelling the heart as a communication system. 2015 , 12,		10
335	Dynamical disease: Challenges for nonlinear dynamics and medicine. <i>Chaos</i> , 2015 , 25, 097603	3-3	44
334	Insights into new-onset atrial fibrillation following open heart surgery and implications for type II atrial flutter. 2015 , 17, 1834-9		3
333	P wave analysis with wavelets identifies hypertensive patients at risk of recurrence of atrial fibrillation: A case-control study and 1year follow-up. 2015 , 48, 845-52		2
332	Ablation of atrial fibrillation. 2015 , 25, 409-19		8
331	Prognostic value of total atrial conduction time measured with tissue Doppler imaging to predict the maintenance of sinus rhythm after external electrical cardioversion of persistent atrial fibrillation. 2015 , 32, 420-7		11
330	Computer-Aided Clinical Decision Support Systems for Atrial Fibrillation. 2016 ,		1
329	Prospective, Tissue-Specific Optimization of Ablation for Multiwavelet Reentry: Predicting the Required Amount, Location, and Configuration of Lesions. 2016 , 9,		6
328	A New Efficient Method for Detecting Phase Singularity in Cardiac Fibrillation. 2016 , 11, e0167567		8
327	Electrophysiological Mechanisms of Gastrointestinal Arrhythmogenesis: Lessons from the Heart. <i>Frontiers in Physiology</i> , 2016 , 7, 230	4.6	37
326	Atrial Fibrillation: The Science behind Its Defiance. 2016 , 7, 635-656		10
325	New Mechanism-based Approaches to Ablating Persistent AF: Will Drug Therapy Soon Be Obsolete?. 2016 , 67, 1-8		
324	Intermittent drivers anchoring to structural heterogeneities as a major pathophysiological mechanism of human persistent atrial fibrillation. 2016 , 594, 2387-98		86
323	The pioneering work of George Mines on cardiac arrhythmias: groundbreaking ideas that remain influential in contemporary cardiac electrophysiology. 2016 , 594, 2377-86		7
322	Kurtosis as a statistical approach to identify the pivot point of the rotor. 2016 , 2016, 497-500		4

321	The QT Interval as a Noninvasive Marker of Atrial Refractoriness. 2016 , 39, 1366-1372	10
320	Aliskiren protecting atrial structural remodeling from rapid atrial pacing in a canine model. 2016 , 389, 863-71	7
319	Ventricular fibrillation: triggers, mechanisms and therapies. 2016 , 12, 373-90	10
318	Nonlinear physics of electrical wave propagation in the heart: a review. 2016 , 79, 096601	35
317	Pulmonary vein triggers, focal sources, rotors and atrial cardiomyopathy: implications for the choice of the most effective ablation therapy. 2016 , 279, 449-56	11
316	Prevalence and mechanism of rotor activation identified during atrial fibrillation by noncontact mapping: Lack of evidence for a role in the maintenance of atrial fibrillation. 2016 , 13, 2323-2330	17
315	Global alternans instability and its effect on non-linear wave propagation: dynamical Wenckebach block and self terminating spiral waves. 2016 , 6, 29397	4
314	Cellular Automata for Spatiotemporal Pattern Formation from Reaction-Diffusion Partial Differential Equations. 2016 , 85, 014003	2
313	Ablation of Atrial Fibrillation: Patient Selection, Periprocedural Anticoagulation, Techniques, and Preventive Measures After Ablation. 2016 , 134, 339-52	27
312	Genotype influence in responses to therapy for atrial fibrillation. 2016 , 14, 1119-31	5
311	Fisiopatologã de la fibrilaciã auricular. 2016 , 23, 9-14	0
310	The State of the Art: Atrial Fibrillation Epidemiology, Prevention, and Treatment. 2016 , 91, 1778-1810	82
309	Effects of Heterogeneous Diffuse Fibrosis on Arrhythmia Dynamics and Mechanism. 2016 , 6, 20835	65
308	Ablating atrial fibrillation: A translational science perspective for clinicians. 2016 , 13, 1868-77	16
307	The role of myocardial wall thickness in atrial arrhythmogenesis. 2016 , 18, 1758-1772	45
306	. 2016 , 104, 416-431	19
305	Paroxysmal atrial fibrillation in seven dogs with presumed neurally-mediated syncope. 2016 , 18, 1-9	14
304	The contribution of pathways initiated via the Gq11 G-protein family to atrial fibrillation. 2016 , 105, 54-61	7

303	Creating Order From Chaos: Practical Interventional Targets for the Multiple Wavelets of Atrial Fibrillation. 2016 , 9,		
302	Hidden structures of information transport underlying spiral wave dynamics. <i>Chaos</i> , 2017 , 27, 013106	3,3	7
301	Propagation of meandering rotors surrounded by areas of high dominant frequency in persistent atrial fibrillation. 2017 , 14, 1269-1278		15
300	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation. 2017 , 14, e275-e444		878
299	Mechanisms of stochastic onset and termination of atrial fibrillation studied with a cellular automaton model. 2017 , 14,		16
298	Radiofrequency Catheter Ablation For Atrial Fibrillation: Approaches And Outcomes. 2017 , 26, 941-949		11
297	Spatial Resolution Requirements for Accurate Identification of Drivers of Atrial Fibrillation. 2017 , 10, e004899		71
296	Intra-operative mapping of the atria: the first step towards individualization of atrial fibrillation therapy?. 2017 , 15, 537-545		8
295	Is VF an Ablatable Rhythm?. 2017 , 19, 14		7
294	Dynamical mechanism of atrial fibrillation: A topological approach. <i>Chaos</i> , 2017 , 27, 093936	3,3	10
293	Pathophysiology of Atrial Fibrillation. 2017 , 15-25		1
292	WITHDRAWN: 2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation. <i>Journal of Arrhythmia</i> , 2017 ,	1.5	
291	Persistent atrial fibrillation vs paroxysmal atrial fibrillation: differences in management. 2017 , 15, 601-618		23
290	Efficacy and safety of driver-guided catheter ablation for atrial fibrillation: A systematic review and meta-analysis. 2017 , 28, 1371-1378		27
289	The continuous challenge of AF ablation: From foci to rotational activity. 2017 , 36 Suppl 1, 9-17		7
288	Feasibility of selection of antiarrhythmic drug treatment on the basis of arrhythmogenic mechanism - Relevance of electrical restitution, wavebreak and rotors. 2017 , 176, 1-12		9
287	Panoramic characterization of endocardial left atrial activation during human persistent AF: Insights from non-contact mapping. 2017 , 228, 406-411		8
286	The continuous challenge of AF ablation: From foci to rotational activity. 2017 , 36, 9-17		8

285	Virtual Modeling Guided Catheter Ablation Predicts Effective Linear Ablation Lesion Set For Longstanding Persistent Atrial Fibrillation: Multicenter Prospective Randomized Study. <i>Frontiers in Physiology</i> , 2017 , 8, 792	4.6	23
284	Tachycardia Termination by Shocks and Pacing. 2017 , 190-212		
283	The Efficacy of Class III Anti-arrhythmic Drug Action in 3D Canine Atrial Models: Is the Blockade of IKCa Pro- or Anti-arrhythmic?. 2017 ,		
282	Catheter Ablation of Atrial Fibrillation: Where Are We?. 2017 , 2, 203-227		
281	Not all rotors, effective ablation targets for nonparoxysmal atrial fibrillation, are included in areas suggested by conventional indirect indicators of atrial fibrillation drivers: ExTRa Mapping project. <i>Journal of Arrhythmia</i> , 2018 , 34, 176-184	1.5	16
280	2017 HRS/EHRA/ECAS/APHRS/SOLAECE expert consensus statement on catheter and surgical ablation of atrial fibrillation. 2018 , 20, e1-e160		461
279	Regulation of inward rectifier potassium current ionic channel remodeling by AT -Calcineurin-NFAT signaling pathway in stretch-induced hypertrophic atrial myocytes. 2018 , 42, 1149-1159		5
278	Wave Propagation in Inhomogeneous Excitable Media. 2018 , 9, 435-461		5
277	Novel multipolar mapping system identifying coexistence of multiple conduction patterns in persistent AF: A case report. 2018 , 41, 210-213		6
276	Current Evidence-Based Understanding of the Epidemiology, Prevention, and Treatment of Atrial Fibrillation. 2018 , 43, 241-283		7
275	Rotors in Human Atrial Fibrillation. 2018 , 426-436		1
274	Compass Mapping, Double Potentials, Activation Patterns Can Identify and Track Rotational Activity Sites in the Left Atrium of Humans with Persistent Atrial Fibrillation. <i>Journal of Atrial Fibrillation</i> , 2018 , 11, 2053	0.8	0
273	Determinants of new wavefront locations in cholinergic atrial fibrillation. 2018 , 20, iii3-iii15		10
272	Rotors Detected by Phase Analysis of Filtered, Epicardial Atrial Fibrillation Electrograms Colocalize With Regions of Conduction Block. 2018 , 11, e005858		30
271	Atrial Fibrillation Mechanisms and Implications for Catheter Ablation. <i>Frontiers in Physiology</i> , 2018 , 9, 1458	4.6	27
270	Calcium in the Pathophysiology of Atrial Fibrillation and Heart Failure. <i>Frontiers in Physiology</i> , 2018 , 9, 1380	4.6	66
269	Frequent premature atrial complexes as a predictor of atrial fibrillation: Systematic review and meta-analysis. 2018 , 51, 760-767		9
268	Anticipating persistent infection. 2018 , 121, 60001		1

267	Unraveling the Underlying Arrhythmia Mechanism in Persistent Atrial Fibrillation: Results From the STARLIGHT Study. 2018 , 11, e005897		23
266	When Is a Maze Procedure a Maze Procedure?. 2018 , 34, 1482-1491		21
265	Multifractal Desynchronization of the Cardiac Excitable Cell Network During Atrial Fibrillation. I. Multifractal Analysis of Clinical Data. <i>Frontiers in Physiology</i> , 2017 , 8, 1139	4.6	2
264	Intramural conduction system gradients and electrogram regularity during ventricular fibrillation. 2018 , 18, 195-200		2
263	Catheter ablation of rotational activity in atrial fibrillation: A barren oasis?. <i>American Heart Journal</i> , 2018 , 205, 142-144	4.9	
262	Atrial Fibrillation. 2018 , 127-146		0
261	Microheterogeneity-induced conduction slowing and wavefront collisions govern macroscopic conduction behavior: A computational and experimental study. 2018 , 14, e1006276		7
260	Analytical approaches for myocardial fibrillation signals. 2018 , 102, 315-326		12
259	A Heart for Diversity: Simulating Variability in Cardiac Arrhythmia Research. <i>Frontiers in Physiology</i> , 2018 , 9, 958	4.6	31
258	Understanding the Beat-to-Beat Variations of P-Waves Morphologies in AF Patients During Sinus Rhythm: A Scoping Review of the Atrial Simulation Studies. <i>Frontiers in Physiology</i> , 2019 , 10, 742	4.6	2
257	Regulating the Warburg effect on metabolic stress and myocardial fibrosis remodeling and atrial intracardiac waveform activity induced by atrial fibrillation. 2019 , 516, 653-660		9
256	Personalized ablation of atrial fibrillation. 2019 , 3, 845-846		
255	Multifractal Desynchronization of the Cardiac Excitable Cell Network During Atrial Fibrillation. II. Modeling. <i>Frontiers in Physiology</i> , 2019 , 10, 480	4.6	
254	Sympathetic Nervous System Activation and Its Modulation: Role in Atrial Fibrillation. 2018 , 12, 1058		20
253	Left atrial effective conducting size predicts atrial fibrillation vulnerability in persistent but not paroxysmal atrial fibrillation. 2019 , 30, 1416-1427		10
252	History of Cardiac Mapping. 2019 , 1-6		
251	Rotors in Animal Models of Atrial Fibrillation. 2019 , 330-342		1
250	Rotor Mapping in Patients with Atrial Fibrillation. 2019 , 482-495		1

249	Mechanisms of Persistent Atrial Fibrillation. 2019 , 780-797		
248	References. 2019 , 149-160		
247	Historical Perspectives on Cardiac Mapping and Ablation. 2019 , 11, 405-408		1
246	Optical Mapping. 2019 , 11, 495-510		9
245	. 2019 ,		
244	Renewal Theory as a Universal Quantitative Framework to Characterize Phase Singularity Regeneration in Mammalian Cardiac Fibrillation. 2019 , 12, e007569		17
243	Atrial Fibrillation. 2019 , 421-548		1
242	Rethinking multiscale cardiac electrophysiology with machine learning and predictive modelling. 2019 , 104, 339-351		26
241	The Top Most-Cited and Influential Published Articles in Atrial Fibrillation from 1900 to 2019. 2020 , 125, 420-426		1
240	Decoding Cardiac Electrophysiology. 2020 ,		
239	Circumferential pulmonary vein antrum ablation for the treatment of paroxysmal atrial fibrillation: A randomized controlled trial. 2020 , 43, 280-288		1
238	Effect of acute and chronic ethanol on atrial fibrillation vulnerability in rats. 2020 , 17, 654-660		8
237	Prospective cross-sectional study using Poisson renewal theory to study phase singularity formation and destruction rates in atrial fibrillation (RENEWAL-AF): Study design. <i>Journal of Arrhythmia</i> , 2020 , 36, 660-667	1.5	4
236	Antiarrhythmic Drugs in Atrial Fibrillation. 2020 ,		
235	Investigational Anti-Atrial Fibrillation Pharmacology and Mechanisms by Which Antiarrhythmics Terminate the Arrhythmia: Where Are We in 2020?. 2020 , 76, 492-505		0
234	Site-Specific Epicardium-to-Endocardium Dissociation of Electrical Activation in a Swine Model of Atrial Fibrillation. <i>JACC: Clinical Electrophysiology</i> , 2020 , 6, 830-845	4.6	4
233	Effects of randomization of characteristic times on spiral wave generation in a simple cellular automaton model of excitable media. 2020 , 10, 085116		0
232	Relationship between dominant frequency, organization index, and left atrial size in patients with atrial fibrillation. 2020 , 31, 3159-3165		

231	Spectral Analysis and Mutual Information Estimation of Left and Right Intracardiac Electrograms during Ventricular Fibrillation. 2020 , 20,		0
230	Toward Mechanism-Directed Electrophenotype-Based Treatments for Atrial Fibrillation. <i>Frontiers in Physiology</i> , 2020 , 11, 987	4.6	6
229	Clinicopathological Bird's-Eye View of Left Atrial Myocardial Fibrosis in 121 Patients With Persistent Atrial Fibrillation: Developing Architecture and Main Cellular Players. 2020 , 13, e007588		5
228	Reconsidering the multiple wavelet hypothesis of atrial fibrillation. 2020 , 17, 1976-1983		10
227	Granger Causality-Based Analysis for Classification of Fibrillation Mechanisms and Localization of Rotational Drivers. 2020 , 13, e008237		6
226	Models based on cellular automata for the analysis of biomedical systems. 2020 , 405-445		1
225	Anisotropic shortening in the wavelength of electrical waves promotes onset of electrical turbulence in cardiac tissue: An in silico study. 2020 , 15, e0230214		1
224	Weakly-Coupled Oscillators with Long-Distance Correlation as a Model of Human Atrial Fibrillation.		
223	Critical appraisal of technologies to assess electrical activity during atrial fibrillation: a position paper from the European Heart Rhythm Association and European Society of Cardiology Working Group on eCardiology in collaboration with the Heart Rhythm Society, Asia Pacific Heart Rhythm Society, Latin American Heart Rhythm Society and Computing in Cardiology. 2021 ,		2
222	Competitive Drivers of Atrial Fibrillation: The Interplay Between Focal Drivers and Multiwavelet Reentry. <i>Frontiers in Physiology</i> , 2021 , 12, 633643	4.6	
221	Automatic Extraction of Recurrent Patterns of High Dominant Frequency Mapping During Human Persistent Atrial Fibrillation. <i>Frontiers in Physiology</i> , 2021 , 12, 649486	4.6	3
220	Atrial fibrosis and substrate based characterization in atrial fibrillation: Time to move forwards. 2021 , 32, 1147-1160		3
219	Novel approaches to mechanism-based atrial fibrillation ablation. 2021 , 117, 1662-1681		1
218	A novel noncontact high-resolution charge density mapping system to guide ablation of complex atrial arrhythmias: overview of device technology and application. 2021 , 18, 343-350		2
217	Computational models of atrial fibrillation: achievements, challenges, and perspectives for improving clinical care. 2021 , 117, 1682-1699		11
216	Computational Modeling for Antiarrhythmic Drugs for Atrial Fibrillation According to Genotype. <i>Frontiers in Physiology</i> , 2021 , 12, 650449	4.6	2
215	RETRO-MAPPING: A New Approach to Activation Mapping in Persistent Atrial Fibrillation Reveals Evidence of Spatiotemporal Stability. 2021 , 14, e009602		1
214	A Randomized, Double-Blind, Placebo-Controlled Trial of Intravenous Alcohol to Assess Changes in Atrial Electrophysiology. <i>JACC: Clinical Electrophysiology</i> , 2021 , 7, 662-670	4.6	3

213	Alcohol Intake and the Arrhythmogenic Substrate in the Pulmonary Veins of Atrial Fibrillation Patients. <i>JACC: Clinical Electrophysiology</i> , 2021 , 7, 671-672	4.6	
212	Directed graph mapping exceeds phase mapping in discriminating true and false rotors detected with a basket catheter in a complex in-silico excitation pattern. 2021 , 133, 104381		3
211	Mapping atrial fibrillation : An overview of potential mechanisms underlying atrial fibrillation. 2021 , 46, 305-311		0
210	The Electrophysiology of Atrial Fibrillation: From Basic Mechanisms to Catheter Ablation. 2021 , 2021, 4109269		1
209	Optimising Large Animal Models of Sustained Atrial Fibrillation: Relevance of the Critical Mass Hypothesis. <i>Frontiers in Physiology</i> , 2021 , 12, 690897	4.6	0
208	Reconceptualising Atrial Fibrillation Using Renewal Theory: A Novel Approach to the Assessment of Atrial Fibrillation Dynamics. 2021 , 10, 77-84		1
207	Spatial and temporal variability of rotational, focal, and irregular activity: Practical implications for mapping of atrial fibrillation. 2021 , 32, 2393-2403		1
206	Heart rhythm analysis using a nonlinear dynamics perspective. 2021 , 96, 152-176		3
205	Localized Pulmonary Vein Scar Promotes Atrial Fibrillation in High Left Atrial Pressure. <i>Frontiers in Physiology</i> , 2021 , 12, 709844	4.6	
204	Electrical Stimulation for Low-Energy Termination of Cardiac Arrhythmias: a Review. 2021 , 1		1
203	Fundamentals of arrhythmogenic mechanisms and treatment strategies for equine atrial fibrillation. 2021 ,		0
202	Pharmacology, Biochemistry, and Clinical Applications of the Monoterpenoid Alkaloids. 783-829		1
201	Whole Heart Modeling and Computer Simulation. 2004 , 81-117		3
200	Studies of Therapeutic Strategies for Atrial Fibrillation Based on a Biophysical Model of the Human Atria. 2010 , 63-79		1
199	Structural Substrates Involved in the Development of Severe Arrhythmias in Hypertensive Rat and Aged Guinea Pig Hearts. 2003 , 377-400		3
198	Cyclic Cellular Automata in Two Dimensions. 1991 , 171-185		8
197	Cellular Automata Models of Cardiac Conduction. 1991 , 437-476		10
196	Estimating the Ventricular Fibrillation Threshold. 1991 , 477-531		4

195	Basic Mechanisms of Ventricular Defibrillation. 1991 , 533-560	9
194	Nonlinear Dynamics at the Bedside. 1991 , 583-605	11
193	Factors Involved in Self and Drug-Induced Spontaneous Ventricular Defibrillation: Intra and Inter Species Variations. 2004 , 153-166	1
192	The role of cell-to-cell coupling in cardiac conduction disturbances. 1983 , 161, 61-77	10
191	A Study of the Autowave Mechanisms of Cardiac Arrhythmias. 1991 , 5-13	1
190	Dimensional Analysis of the Ventricular Fibrillation ECG. 1991 , 335-342	1
189	Cellular and Ionic Mechanisms Underlying Arrhythmogenesis. 2003 , 201-251	1
188	Mechanisms of Cardiac Arrhythmia. 2008 , 65-132	2
187	Atrial Fibrillation. 2014 , 201-225	1
186	The Autowave Nature of Cardiac Arrhythmias. 1984 , 184-190	0
185	Nonlinear Dynamics, Fractals, Cardiac Physiology and Sudden Death. 1987 , 118-125	9
184	Atrial Fibrillation: Is Our Electrophysiological Understanding on the Right Wavelength?. 1992 , 17-26	2
183	The Dynamics of Organizing Centers: Numerical Experiments in Differential Geometry. 1988 , 697-716	6
182	From Experiment to Therapeutic Innovation in Atrial Fibrillation and Flutter. 1992 , 1-22	1
181	Atrial Tachyarrhythmias Following Coronary Bypass Surgery: Sympathetic Mechanisms. 1992 , 211-225	4
180	Restitution, Repolarization, and Alternans as Arrhythmogenic Substrates. 2004 , 232-241	3
179	Nonlinear Dynamics of Excitation and Propagation in Cardiac Muscle. 2004 , 327-335	10
178	Dynamics and Molecular Mechanisms of Ventricular Fibrillation in Normal Hearts. 2004 , 390-398	1

177	EXCITATION WAVE PROPAGATION DURING HEART FIBRILLATION. 1973 , 329-341	3
176	Vortex re-entry in healthy myocardium. 1989 , 609-625	4
175	NONLINEAR OSCILLATIONS (LIMIT CYCLES) IN PHYSICAL AND BIOLOGICAL SYSTEMS. 1980 , 343-389	2
174	Cardiac Arrhythmias: Reentry and Triggered Activity. 2001 , 1153-1179	5
173	New paradigm for drug therapies of cardiac fibrillation. 2000 , 97, 5687-9	28
172	Paradigm shifts in electrophysiological mechanisms of atrial fibrillation. 2021 , 23, ii9-ii13	2
171	Effects of a new class III antiarrhythmic drug nibentan in a canine model of vagally mediated atrial fibrillation. 2000 , 36, 77-89	10
170	Understanding the transition from paroxysmal to persistent atrial fibrillation. 2020 , 2, 023311	0
169	Effects of Nonuniform Slowing of Conduction on Vulnerability to Fibrillation in a Computer Model. 1992 , 3, 48-55	11
168	Proarrhythmic response to potassium channel blockade. Numerical studies of polymorphic tachyarrhythmias. 1995 , 92, 595-605	50
167	Atrial fibrillation begets atrial fibrillation. A study in awake chronically instrumented goats. 1995 , 92, 1954-68	2177
166	Incomplete reentry and epicardial breakthrough patterns during atrial fibrillation in the sheep heart. 1996 , 94, 2649-61	95
165	Site-dependent intra-atrial conduction delay. Relationship to initiation of atrial fibrillation. 1996 , 94, 384-9	162
164	Simultaneous multisite mapping studies during induced atrial fibrillation in the sterile pericarditis model. Insights into the mechanism of its maintenance. 1997 , 95, 511-21	143
163	A focal source of atrial fibrillation treated by discrete radiofrequency ablation. 1997 , 95, 572-6	688
162	Verapamil reduces tachycardia-induced electrical remodeling of the atria. 1997 , 95, 1945-53	188
161	Functional mechanisms underlying tachycardia-induced sustained atrial fibrillation in a chronic dog model. 1997 , 96, 4027-35	241
160	Effects of atrial dilatation on refractory period and vulnerability to atrial fibrillation in the isolated Langendorff-perfused rabbit heart. 1997 , 96, 1686-95	324

159	Coronary sinus pacing prevents induction of atrial fibrillation. 1997 , 96, 1893-8	82
158	Shock-induced depolarization of refractory myocardium prevents wave-front propagation in defibrillation. 1996 , 79, 957-73	73
157	Ionic remodeling underlying action potential changes in a canine model of atrial fibrillation. 1997 , 81, 512-25	475
156	Should Ablation Be First-Line Therapy and for Whom: The Antagonist Position. 2005 , 112, 1223-1231	22
155	Recent Fibrillation Studies. 2001 , 89, 1089-1091	1
154	Spatiotemporal complexity of ventricular fibrillation revealed by tissue mass reduction in isolated swine right ventricle. Further evidence for the quasiperiodic route to chaos hypothesis. 1997 , 100, 2486-500	97
153	Electrophysiological changes preceding the onset of atrial fibrillation after coronary bypass grafting surgery. 2014 , 9, e107919	4
152	A Stochastic Individual-Based Model of the Progression of Atrial Fibrillation in Individuals and Populations. 2016 , 11, e0152349	9
151	Which patients recur as atrial tachycardia rather than atrial fibrillation after catheter ablation of atrial fibrillation?. 2017 , 12, e0188326	9
150	Effectiveness of atrial fibrillation rotor ablation is dependent on conduction velocity: An in-silico 3-dimensional modeling study. 2017 , 12, e0190398	17
149	Time-dependent cervical vagus nerve stimulation and frequency-dependent right atrial pacing mediates induction of atrial fibrillation. 2018 , 20, 206-212	4
148	Off-pump epicardial atrial fibrillation surgery utilizing a novel bipolar radiofrequency system. 2006 , 9, E803-6	3
147	Discordant temporal changes in electrophysiological properties during electrical remodeling and its recovery in the canine atrium. 2002 , 43, 167-81	3
146	Ablation of Atrial Fibrillation Drivers. 2017 , 6, 195-201	5
145	Targeting Stable Rotors to Treat Atrial Fibrillation. 2012 , 1, 34-38	3
144	Pharmacological Tests in Atrial Fibrillation Ablation. 2016 , 5, 170-176	6
143	Drivers of Atrial Fibrillation: Theoretical Considerations and Practical Concerns. 2018 , 7, 49-54	12
142	Challenges Associated with Interpreting Mechanisms of AF. 2020 , 8, 273-284	5

141	2018 Korean Guidelines for Catheter Ablation of Atrial Fibrillation: Part I. <i>International Journal of Arrhythmia</i> , 2018 , 19, 186-234	2.4	2
140	Catheter Ablation of Atrial Fibrillation: A Review of the Current Status and Future Directions. 2017 , 8, 2907-2917		4
139	Identifying Potential Re-Entrant Circuit Locations From Atrial Fibre Maps. 2019 , 2019, 1-4		2
138	A brief overview of surgery for atrial fibrillation. 2014 , 3, 80-8		27
137	Diagnosis and Therapy of Atrial Fibrillation: The Past, The Present and The Future. <i>Journal of Atrial Fibrillation</i> , 2015 , 8, 1216	0.8	11
136	Electrophysiological Perspectives on Hybrid Ablation of Atrial Fibrillation. <i>Journal of Atrial Fibrillation</i> , 2015 , 8, 1290	0.8	4
135	Catheter Ablation for Persistent and Long-Standing Persistent Atrial Fibrillation. <i>Journal of Atrial Fibrillation</i> , 2016 , 9, 1473	0.8	3
134	Sinus Node Dysfunction in Atrial Fibrillation: Cause or Effect?. <i>Journal of Atrial Fibrillation</i> , 2008 , 1, 30	0.8	5
133	A Novel Transgenic Mouse Model of Cardiac Hypertrophy and Atrial Fibrillation. <i>Journal of Atrial Fibrillation</i> , 2012 , 4, 415	0.8	15
132	Efficacy of the maze procedure for atrial fibrillation associated with atrial septal defect. 2013 , 46, 98-103		9
131	Atrial fibrillation. 2014 , 28, 1-17		32
130	The Effects of Fibrotic Cell Type and Its Density on Atrial Fibrillation Dynamics: An In Silico Study. 2021 , 10,		1
129	Cell-to-cell mathematical modeling of arrhythmia phenomena in the heart. 2022 , 193, 153-172		1
128	Atrial Fibrillation. 2000 , 657-685		
127	Cellular Automata Simulation in the Magnetic Study of Rotating Propagation Models Associated to Cardiac Arrhythmias. 2000 , 452-455		
126	Simulation of surgical interventions: atrial radio frequency ablation with a haptic interface. 2002 , 49-54		1
125	Ionic Channels and Fibrillation. 2002 , 335-359		
124	The Games of Life. 2002 , 5-32		

123 Spirals in Excitable Media. **2002**, 149-167

122 Atrial Fibrillation: New Insights into Electrophysiologic Mechanisms. **2003**, 157-165

121 In Silico Cardiac Toxicity. **2003**,

120 Nicht-medikamentöse Therapie von Herzrhythmusstörungen. **2004**, 1009-1046

119 Mechanisms of Maintenance of Atrial Fibrillation. **2004**, 363-374

118 ?????????????(1.???? : ??????) (68????????????). **2005**, 13, 23-31

117 Morphological Properties of Atrial Fibrillation Waves in Patients with Left Ventricular Dysfunction-Spectral Analysis of Atrial Fibrillation Waves in Dilated Cardiomyopathy-. *Journal of Arrhythmia*, **2006**, 22, 92-97 1.5

116 Electrophysiologic Abnormalities: Unoperated Occurrence and Postoperative Residua and Sequelae. **2009**, 418-459

115 Perioperative Arrhythmias. **2009**, 480-485

114 Mechanical Modulation of a Reentrant Arrhythmia: The Atrial Flutter Case. **2010**, 301-325

113 Mathematical Models of Action Potential. **2010**, 45-80

112 Mathematical Modeling and Computer Simulation. **2010**, 11-23 1

111 Cellular Electrophysiological and Genetic Mechanisms of Cardiac Arrhythmias. **2010**, 1083-1132

110 26 Sinus and Atrial Arrhythmias. **2010**, 1193-1229

109 History of Supraventricular Tachycardia. **2011**, 17-38

108 A Molecular Genetic Perspective on Atrial Fibrillation. **2011**, 207-225

107 Atrial fibrillation. **2011**, 536-542

106 Tachyarrhythmia Therapies: Approaches to Atrial Fibrillation and Postinfarction Ventricular Arrhythmias. **2011**, 349-378

- 105 Electrophysiological Properties of Palmonary Vein Myocardial Sleeves. **2011**, 31, 549-559 1
- 104 Sinus and Atrial Arrhythmias. **2012**, 113-149
- 103 Cellular Electrophysiological and Genetic Mechanisms of Cardiac Arrhythmias. **2012**, 3-52
- 102 The Inverse Problem of Electrocardiography. **2012**, 299-344
- 101 The Forward Problem of Electrocardiography. **2012**, 247-298
- 100 Fundamental Concepts in Defibrillation. **2012**, 187-200
- 99 Role of Magnetic Resonance Imaging of Atrial Fibrosis in Atrial Fibrillation Ablation. **2013**, 2, 124-7 4
- 98 Atrial Fibrillation: Should Cardiac Surgeons Be Consulted?. **2014**, 439-449
- 97 Development of a Family of Regional Cell Models. **2014**, 87-114 1
- 96 Atrial Fibrillation Ablation: From Guidelines to Clinical Reality. **2014**, 419-438
- 95 Understanding the Genetic Basis of Atrial Fibrillation: Towards a Pharmacogenetic Approach for Arrhythmia Treatment. **2014**, 65-75
- 94 Development of a New Model for Simulating the Electrical Action Potentials of Human Atrial Myocytes. **2014**, 59-85
- 93 In silico?????????????. **2014**, 34, 291-296
- 92 Modelling of Excitation Propagation for Social Interactions. **2014**, 242-252
- 91 MECHANISM OF FIBRILLATION IN A MATHEMATICAL MODEL. **1964**, 115-118
- 90 A Model Cylinder of Excitable Cells Simulates Fibrillation on the Basis of Inhomogeneous Refractory Periods. **1980**, 40-55
- 89 Fibrillation as a Consequence of Pacemaker Phase-Resetting. **1982**, 447-470
- 88 Dynamic Patterns im Excitable Media. **1984**, 157-169

87 Electrochemistry of the Nervous Impulse. **1985**, 381-443

86 A Computer Model of the Electrocardiogram Based on Cellular Action Potentials in a Bidomain Model of the Myocardium. **1987**, 1-8

85 Re-entry, Reflection, and Electrotonic Influences on Automaticity. **1987**, 91-105

84 Models of the Atrioventricular Node. **1992**, 47-76

83 Computer Modelling of Cardiac Arrhythmias. **1993**, 157-181

82 Modelling of the Cardiac Electrical Field. **1993**, 127-141

81 Bedeutung des autonomen Nervensystems bei paroxysmalem Vorhofflimmern. **1994**, 15-24

80 Response : Mechanisms of Cardiac Fibrillation. **1995**, 270, 1224-1225

20

79 ?????? : ????????????????? : ?????? : QOL????????????(61????????????????,????????????). **1997**, 5, 309-315

78 What Are the Electrophysiological Mechanisms of Perpetuation of Atrial Fibrillation?. **1998**, 3-11

1

77 Catheter Ablation of Atrial Fibrillation: Where Are We Now and Where Are We Going?. **1998**, 72-80

76 Modellierung und Visualisierung kardialer Erregungs-ausbreitungsmuster in einem Voxelmodell des Herzens. **1998**, 432-436

75 Cellular Automata Models and Cardiac Arrhythmias. **1999**, 279-290

1

74 Resource Utilization in Atrial Fibrillation. **1999**, 181-209

73 ????????????????????? : IV????????????(63????????????). **1999**, 7, 271-276

72 Atrial Electrophysiological Modifications Generated by a Single Atrial Premature Contraction. **2015**, 3,

71 A Molecular Genetic Perspective on Atrial Fibrillation. **2016**, 227-245

70 A cellular automaton model for electrocardiogram considering the structure of heart. **2017**, 66, 200501

1

- 69 Innovations in Clinical Cardiac Electrophysiology: Challenges and Upcoming Solutions in 2018 and Beyond. **2017**, 8, 2943-2955
- 68 Mechanisms of Atrial Fibrillation and Their Impact on Strategies for Catheter Ablation. **2018**, 4, 56 1
- 67 CHARACTERISTICS ASSOCIATED WITH LONG-TERM MAINTENANCE OF SINUS RHYTHM AFTER PULMONARY VEINS ISOLATION. **2019**, 25, 115-119
- 66 Renewal theory provides a universal quantitative framework to characterise the continuous regeneration of rotational events in cardiac fibrillation.
- 65 Ablation of Atrial Fibrillation and Atrial Tachycardia. **2020**, 73-86
- 64 A Molecular Genetic Perspective on Atrial Fibrillation. **2020**, 287-305
- 63 Effects of Reversible Cooling on Reentrant Tachycardia in Canine Infarction. **1983**, 21-29
- 62 Birth of Clinical Cardiac Electrophysiology. **2020**, 21-39
- 61 Analysis of autonomic activity during head-up tilt in patients with lone paroxysmal atrial fibrillation. **2020**, 13, 70-75
- 60 Arrhythmogenesis as the failure of repolarization.
- 59 Elektrophysiologie und Pathophysiologie von Vorhofflimmern. **2007**, 39-73
- 58 Catheter ablation of atrial fibrillation. **2006**, 211-246
- 57 Supraventricular Dysrhythmias. **2007**, 74-99
- 56 Evolution of curative therapies for atrial fibrillation review. **2004**, 4, 10-25
- 55 Electrophysiological mechanisms of ventricular fibrillation induction. **2005**, 5, 43-50 2
- 54 A review of atrial fibrillation. **2002**, 94, 1036-48 4
- 53 Fractals in physiology and medicine. **1987**, 60, 421-35 250
- 52 Advances in atrial fibrillation ablation. **2009**, 21, 247-54 5

51	Factors determining spontaneous ventricular defibrillation. 2001 , 6, 109-13		1
50	Role of neural modulation in the pathophysiology of atrial fibrillation. 2014 , 139, 512-22		2
49	Structural changes in the progression of atrial fibrillation: potential role of glycogen and fibrosis as perpetuating factors. <i>International Journal of Clinical and Experimental Pathology</i> , 2015 , 8, 1712-8	1.4	15
48	Left Atrial Image Registration to Guide Catheter Ablation of Atrial Fibrillation: In the Eye of the Technology. <i>Journal of Atrial Fibrillation</i> , 2008 , 1, 133	0.8	
47	Mapping Atrial Fibrillation: 2015 Update. <i>Journal of Atrial Fibrillation</i> , 2015 , 8, 1227	0.8	5
46	Rate Control Strategy Elevated To Primary Treatment For Atrial Fibrillation: Has The Last Word Already Been Spoken?. <i>Journal of Atrial Fibrillation</i> , 2014 , 7, 1152	0.8	
45	Atrial Fibrillation in the Wolff-Parkinson-White Syndrome. <i>Journal of Atrial Fibrillation</i> , 2011 , 4, 287	0.8	6
44	Collateral Damage During Ablation of Atrial Fibrillation - Lessons Learnt in the Past Decade. <i>Journal of Atrial Fibrillation</i> , 2012 , 4, 478	0.8	
43	Thinking outside the Box: Rotor Modulation in the Treatment of Atrial Fibrillation. <i>Journal of Atrial Fibrillation</i> , 2013 , 6, 811	0.8	
42	Myocardial Ischemia as a Genuine Cause Responsible for the Organization and "Fertilization" of Conflictogenic Atrial Fibrillation:New Conceptual Insights Into Arrhythmogenicity. <i>Journal of Atrial Fibrillation</i> , 2013 , 5, 797	0.8	3
41	Left Atrial Fibrosis: Role in Atrial Fibrillation Pathophysiology and Treatment Outcomes. <i>Journal of Atrial Fibrillation</i> , 2013 , 5, 810	0.8	9
40	The Progressive Nature of Atrial Fibrillation:A Rationale for Early Restoration and Maintenance of Sinus Rhythm. <i>Journal of Atrial Fibrillation</i> , 2013 , 6, 849	0.8	3
39	Surgical Treatment of Atrial Fibrillation. <i>Journal of Atrial Fibrillation</i> , 2008 , 1, 19	0.8	1
38	Catheter Abalation for AF : Past, Present and Future. <i>Journal of Atrial Fibrillation</i> , 2008 , 1, 102	0.8	
37	Typical Flutter Ablation as an Adjunct to Catheter Ablation of Atrial Fibrillation. <i>Journal of Atrial Fibrillation</i> , 2008 , 1, 106	0.8	
36	Electrophysiological Changes of the Atrium in Patients with Lone Paroxysmal Atrial Fibrillation. <i>Journal of Atrial Fibrillation</i> , 2010 , 3, 232	0.8	2
35	Review of Dominant Frequency Analysis in Atrial Fibrillation. <i>Journal of Atrial Fibrillation</i> , 2009 , 2, 204	0.8	3
34	Atrial Fibrillation Complicating Congestive Heart Failure: Electrophysiological Aspects And Its Deleterious Effect On Cardiac Resynchronization Therapy. <i>Journal of Atrial Fibrillation</i> , 2009 , 2, 143	0.8	1

33	[Basic mechanisms of the new antiarrhythmic drugs in atrial fibrillation]. <i>Archivos De Cardiologia De Mexico</i> , 2012 , 82, 139-52	0.2	
32	Profibrillatory Structural and Functional Properties of the Atrial-Pulmonary Junction in the Absence of Remodeling.. <i>Frontiers in Physiology</i> , 2021 , 12, 748203	4.6	
31	Characterization of persistent atrial fibrillation with non-contact charge density mapping and relationship to voltage.. <i>Journal of Arrhythmia</i> , 2022 , 38, 77-85	1.5	0
30	Biochaos in cardiac rhythms. <i>European Physical Journal: Special Topics</i> , 1	2.3	1
29	Classification of Fibrillation Organisation Using Electrocardiograms to Guide Mechanism-Directed Treatments. <i>Frontiers in Physiology</i> , 2021 , 12, 712454	4.6	0
28	Identifying Atrial Fibrillation Mechanisms for Personalized Medicine. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	4
27	A Network-based Cardiac Electrophysiology Simulator with Realistic Signal Generation and Response to Pacing Maneuvers. 2021 ,		
26	Estimation of the Ablated Area size based on Local Conduction Velocity Simulations and animal experiments. 2021 ,		
25	Real-Time Interactive Simulations of Complex Ionic Cardiac Cell Models in 2D and 3D Heart Structures with GPUs on Personal Computers. 2021 ,		1
24	Stochastic Termination of Spiral Wave Dynamics in Cardiac Tissue. 2022 , 2,		0
23	A Review on Atrial Fibrillation (Computer Simulation and Clinical Perspectives). <i>Hearts</i> , 2022 , 3, 20-37	0.6	
22	Simultaneous Whole-Chamber Non-contact Mapping of Highest Dominant Frequency Sites During Persistent Atrial Fibrillation: A Prospective Ablation Study.. <i>Frontiers in Physiology</i> , 2022 , 13, 826449	4.6	
21	Restitution Slope Affects the Outcome of Dominant Frequency Ablation in Persistent Atrial Fibrillation: CUVIA-AF2 Analysis Based on Computational Modeling Study.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 838646	5.4	0
20	Understanding the origins of the basic equations of statistical fibrillatory dynamics.. <i>Chaos</i> , 2022 , 32, 032101	3.3	0
19	Clinical Outcomes of Computational Virtual Mapping-Guided Catheter Ablation in Patients With Persistent Atrial Fibrillation: A Multicenter Prospective Randomized Clinical Trial.. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 772665	5.4	3
18	Computational modeling of atrial fibrillation. <i>International Journal of Arrhythmia</i> , 2021 , 22,	2.4	0
17	Presentation1.PDF. 2018 ,		
16	DG-Mapping: a novel software package for the analysis of any type of reentry and focal activation of simulated, experimental or clinical data of cardiac arrhythmia.. <i>Medical and Biological Engineering and Computing</i> , 2022 ,	3.1	0

15	The Pathogenesis of Cardiac Arrhythmias in Vitamin D Deficiency. <i>Biomedicines</i> , 2022 , 10, 1239	4.8	2
14	Insights From Simultaneous Left and Right Atrial Septal Mapping in Patients With Persistent Atrial Fibrillation. <i>JACC: Clinical Electrophysiology</i> , 2022 ,	4.6	
13	Ablation and antiarrhythmic drug effects on PITX2+/β-deficient atrial fibrillation: A computational modeling study. <i>Frontiers in Cardiovascular Medicine</i> , 9,	5.4	
12	The physics of heart rhythm disorders. <i>Physics Reports</i> , 2022 , 978, 1-45	27.7	0
11	Modeling Atrial Fibrillation. 2008 , 151-173		1
10	PI3K(p110β) as a determinant and gene therapy for atrial enlargement in atrial fibrillation.		0
9	Circle Method for Robust Estimation of Local Conduction Velocity High-Density Maps From Optical Mapping Data: Characterization of Radiofrequency Ablation Sites. 13,		
8	Relationships Between Atrial Flutter and Fibrillation: The Border Zone. 2022 ,		
7	Non-conducted premature atrial complexes: A new independent predictor of atrial fibrillation in cryptogenic stroke. 2022 , 74, 46-53		0
6	An ECG generative model of myocardial infarction. 2022 , 225, 107062		
5	Dynamic electrophysiological mechanism in patients with long-standing persistent atrial fibrillation. 9,		0
4	Atrial fibrillation: Insights from animal models, computational modeling, and clinical studies. 2022 , 85, 104310		0
3	Adenosine and Adenosine Receptors: Advances in Atrial Fibrillation. 2022 , 10, 2963		0
2	Mapping and ablation of ventricular fibrillation substrate.		0
1	Mechanical Manifestation of Complete and Incomplete Spiral Wave Break Up. 2022 ,		0