

Michael D Lesh

List of Publications by Year in Descending Order

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

84 papers	6,992 citations	44 h-index	83 g-index
86 ext. papers	7,544 ext. citations	5.2 avg, IF	4.8 L-index

#	Paper	IF	Citations
84	Percutaneous left atrial appendage transcatheter occlusion (PLAATO system) to prevent stroke in high-risk patients with non-rheumatic atrial fibrillation: results from the international multi-center feasibility trials. <i>Journal of the American College of Cardiology</i> , 2005 , 46, 9-14	15.1	370
83	Percutaneous left atrial appendage transcatheter occlusion to prevent stroke in high-risk patients with atrial fibrillation: early clinical experience. <i>Circulation</i> , 2002 , 105, 1887-9	16.7	334
82	Percutaneous left atrial appendage occlusion (PLAATO) for preventing cardioembolism: first experience in canine model. <i>Circulation</i> , 2002 , 105, 2217-22	16.7	113
81	Electrocardiographic analysis of ectopic atrial activity obscured by ventricular repolarization: P wave isolation using an automatic 62-lead QRST subtraction algorithm. <i>Journal of Cardiovascular Electrophysiology</i> , 2001 , 12, 780-90	2.7	14
80	Clinical outcome after radiofrequency catheter ablation of focal atrial fibrillation triggers. <i>Journal of Cardiovascular Electrophysiology</i> , 2001 , 12, 900-8	2.7	171
79	Central clinical research issues in electrophysiology: report of the NASPE Committee. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2001 , 24, 526-34	1.6	2
78	Atypical right atrial flutter patterns. <i>Circulation</i> , 2001 , 103, 3092-8	16.7	111
77	Novel catheter technology for ablative cure of atrial fibrillation. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2000 , 4 Suppl 1, 127-39	2.4	16
76	Role of Radiofrequency Catheter Ablation and Intracardiac Echocardiography in the Treatment of Inappropriate Sinus Tachycardia. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2000 , 4, 34-38		
75	The role of the crista terminalis in atrial flutter and fibrillation: a computer modeling study. <i>Annals of Biomedical Engineering</i> , 2000 , 28, 742-54	4.7	23
74	Body surface mapping of counterclockwise and clockwise typical atrial flutter: a comparative analysis with endocardial activation sequence mapping. <i>Journal of the American College of Cardiology</i> , 2000 , 35, 1276-87	15.1	38
73	Use of electroanatomic mapping to delineate transseptal atrial conduction in humans. <i>Circulation</i> , 1999 , 100, 1791-7	16.7	132
72	What is the relationship of atrial flutter and fibrillation?. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1999 , 22, 643-54	1.6	16
71	Electrophysiologic effects of selective right versus left atrial linear lesions in a canine model of chronic atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 1999 , 10, 1564-74	2.7	37
70	Low-power radiofrequency application and intracardiac echocardiography for creation of continuous left atrial linear lesions. <i>Journal of Cardiovascular Electrophysiology</i> , 1999 , 10, 680-91	2.7	31
69	The role of nonpharmacologic therapies for the treatment of atrial fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 1999 , 10, 450-60; quiz 488-94	2.7	13
68	The spatial dispersion of atrial refractoriness and atrial fibrillation vulnerability. <i>Journal of Interventional Cardiac Electrophysiology</i> , 1999 , 3, 311-9	2.4	21

67	Catheter-ablative techniques for the treatment of atrial fibrillation. <i>Current Cardiology Reports</i> , 1999 , 1, 142-8	4.2	1
66	Narrow complex tachycardia with VA block: diagnostic and therapeutic implications. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1998 , 21, 1196-206	1.6	44
65	Acute effects of intraoperative multisite ventricular pacing on left ventricular function and activation/contraction sequence in patients with depressed ventricular function. <i>Journal of Cardiovascular Electrophysiology</i> , 1998 , 9, 13-21	2.7	139
64	Organized activation during atrial fibrillation in man: endocardial and electrocardiographic manifestations. <i>Journal of Cardiovascular Electrophysiology</i> , 1998 , 9, 451-61	2.7	72
63	Progress toward a catheter ablative cure of atrial fibrillation. <i>Journal of Electrocardiology</i> , 1998 , 31 Suppl, 71-9	1.4	4
62	Body surface mapping of atrial arrhythmias: atlas of paced P wave integral maps to localize the focal origin of right atrial tachycardia. <i>Journal of Electrocardiology</i> , 1998 , 31 Suppl, 85-91	1.4	17
61	"Cristal tachycardias": origin of right atrial tachycardias from the crista terminalis identified by intracardiac echocardiography. <i>Journal of the American College of Cardiology</i> , 1998 , 31, 451-9	15.1	257
60	Anatomic and electrophysiologic relation between the coronary sinus and mitral annulus: implications for ablation of left-sided accessory pathways. <i>American Heart Journal</i> , 1998 , 135, 93-8	4.9	61
59	Body surface mapping during pacing at multiple sites in the human atrium: P-wave morphology of ectopic right atrial activation. <i>Circulation</i> , 1998 , 97, 369-80	16.7	63
58	Radiofrequency Catheter Modification of Sinus Node Activity in Patients with Inappropriate Sinus Tachycardia. <i>Developments in Cardiovascular Medicine</i> , 1998 , 215-222		
57	The laboratory evaluation and role of catheter ablation for patients with atrial flutter. <i>Cardiology Clinics</i> , 1997 , 15, 677-88	2.5	6
56	Biophysical characteristics of radiofrequency lesion formation in vivo: dynamics of catheter tip-tissue contact evaluated by intracardiac echocardiography. <i>American Heart Journal</i> , 1997 , 133, 8-18	4.9	127
55	Electrophysiology of "incisional" reentrant atrial tachycardia complicating surgery for congenital heart disease. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1997 , 20, 2107-11	1.6	50
54	Slow AV nodal pathway ablation utilizing a unique temperature controlled radiofrequency energy system. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1997 , 20, 664-70	1.6	5
53	Use of intracardiac echocardiography in interventional electrophysiology. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1997 , 20, 2248-62	1.6	70
52	Electrocardiographic and electrophysiologic characterization of atypical atrial flutter in man: use of activation and entrainment mapping and implications for catheter ablation. <i>Journal of Cardiovascular Electrophysiology</i> , 1997 , 8, 121-44	2.7	113
51	Mode of onset of malignant ventricular arrhythmias in idiopathic ventricular fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 1997 , 8, 1115-20	2.7	104
50	Risk of thromboembolism in chronic atrial flutter. <i>American Journal of Cardiology</i> , 1997 , 79, 1043-7	3	83

49	P-wave morphology during right atrial pacing before and after atrial flutter ablation--a new marker for success. <i>American Journal of Cardiology</i> , 1997 , 79, 1417-20	3	40
48	Role of Radiofrequency Catheter Ablation and Intracardiac Echocardiography in the Treatment of Inappropriate Sinus Tachycardia. <i>Journal of Interventional Cardiac Electrophysiology</i> , 1997 , 1, 425-429		
47	Relationship between atrial fibrillation and typical atrial flutter in humans: activation sequence changes during spontaneous conversion. <i>Circulation</i> , 1997 , 96, 3484-91	16.7	79
46	Electrophysiological effects of long, linear atrial lesions placed under intracardiac ultrasound guidance. <i>Circulation</i> , 1997 , 96, 2715-21	16.7	86
45	Quality of life and outcomes after radiofrequency His-bundle catheter ablation and permanent pacemaker implantation: impact of treatment in paroxysmal and established atrial fibrillation. <i>American Heart Journal</i> , 1996 , 131, 499-507	4.9	174
44	Mode of onset of torsade de pointes in congenital long QT syndrome. <i>Journal of the American College of Cardiology</i> , 1996 , 28, 1262-8	15.1	131
43	Modeling triggered cardiac activity: an analysis of the interactions between potassium blockade, rhythm pauses, and cellular coupling. <i>Mathematical Biosciences</i> , 1996 , 137, 101-33	3.9	3
42	In vitro quantification of radiofrequency ablation lesion size using intracardiac echocardiography in dogs. <i>American Journal of Cardiology</i> , 1996 , 77, 217-9	3	30
41	Results of radiofrequency catheter ablation for atrial flutter. <i>American Journal of Cardiology</i> , 1996 , 77, 1014-6	3	56
40	Mapping and radiofrequency ablation of intraatrial reentrant tachycardia after the Senning or Mustard procedure for transposition of the great arteries. <i>American Journal of Cardiology</i> , 1996 , 77, 985-91	3	125
39	The role of atrial anatomy in clinical atrial arrhythmias. <i>Journal of Electrocardiology</i> , 1996 , 29 Suppl, 101-13	13	15
38	Conduction barriers in human atrial flutter: correlation of electrophysiology and anatomy. <i>Journal of Cardiovascular Electrophysiology</i> , 1996 , 7, 1112-26	2.7	96
37	New approaches to treatment of atrial flutter and tachycardia. <i>Journal of Cardiovascular Electrophysiology</i> , 1996 , 7, 368-81	2.7	30
36	To fumble flutter or tackle "tach"? Toward updated classifiers for atrial tachyarrhythmias. <i>Journal of Cardiovascular Electrophysiology</i> , 1996 , 7, 460-6	2.7	48
35	Regional entrainment of atrial fibrillation in man. <i>Journal of Cardiovascular Electrophysiology</i> , 1996 , 7, 867-76	2.7	25
34	Ablation of Transcatheter Atrial Tachycardia complicating surgery for congenital heart disease. Use of entrainment to define a critical isthmus of conduction. <i>Circulation</i> , 1996 , 93, 502-12	16.7	234
33	Activation and entrainment mapping defines the tricuspid annulus as the anterior barrier in typical atrial flutter. <i>Circulation</i> , 1996 , 94, 398-406	16.7	257
32	Percutaneous multielectrode endocardial mapping during ventricular tachycardia in the swine model. <i>Circulation</i> , 1996 , 94, 1125-30	16.7	31

31	Update on Catheter Ablation of Atrial Tachycardia, Atrial Flutter, and Beyond. <i>International Heart Journal</i> , 1996 , 37, 771-772		
30	A direct midseptal approach to slow atrioventricular nodal pathway ablation. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1995 , 18, 57-64	1.6	41
29	Use of P wave configuration during atrial tachycardia to predict site of origin. <i>Journal of the American College of Cardiology</i> , 1995 , 26, 1315-24	15.1	215
28	Radiofrequency catheter modification of the sinus node for "inappropriate" sinus tachycardia. <i>Circulation</i> , 1995 , 92, 2919-28	16.7	151
27	Radiofrequency catheter modification of sinus pacemaker function guided by intracardiac echocardiography. <i>Circulation</i> , 1995 , 92, 3070-81	16.7	66
26	Role of right atrial endocardial structures as barriers to conduction during human type I atrial flutter. Activation and entrainment mapping guided by intracardiac echocardiography. <i>Circulation</i> , 1995 , 92, 1839-48	16.7	346
25	Effects of simulated potassium blockade on the dynamics of triggered cardiac activity. <i>Journal of Theoretical Biology</i> , 1994 , 168, 245-57	2.3	18
24	Clinical and electrophysiologic features and role of catheter ablation techniques in adult patients with automatic atrioventricular junctional tachycardia. <i>American Journal of Cardiology</i> , 1994 , 74, 565-72	3	48
23	Status of ablation in patients with atrial tachycardia and flutter. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1994 , 17, 1026-33	1.6	16
22	Intracardiac echocardiography during radiofrequency catheter ablation of cardiac arrhythmias in humans. <i>Journal of the American College of Cardiology</i> , 1994 , 24, 1351-7	15.1	146
21	Radiofrequency catheter ablation as a cure for idiopathic tachycardia of both left and right ventricular origin. <i>Journal of the American College of Cardiology</i> , 1994 , 23, 1333-41	15.1	352
20	Radiofrequency catheter ablation in the treatment of supraventricular tachycardia in the elderly. <i>Journal of the American College of Cardiology</i> , 1994 , 23, 1356-62	15.1	44
19	New algorithm for the localization of accessory atrioventricular connections using a baseline electrocardiogram. <i>Journal of the American College of Cardiology</i> , 1994 , 23, 107-16	15.1	168
18	Follow-up of radiofrequency catheter ablation in children: results in 100 consecutive patients. <i>Journal of the American College of Cardiology</i> , 1994 , 23, 1651-9	15.1	57
17	Effects of coupling heterogeneity on fractionated electrograms in a model of nonuniformly anisotropic ventricular myocardium. <i>Journal of Electrocardiology</i> , 1994 , 27 Suppl, 171-8	1.4	10
16	Interventional electrophysiology--state-of-the-art 1993. <i>American Heart Journal</i> , 1993 , 126, 686-98	4.9	19
15	Comparison of the retrograde and transseptal methods for ablation of left free wall accessory pathways. <i>Journal of the American College of Cardiology</i> , 1993 , 22, 542-9	15.1	115
14	Radiofrequency catheter ablation of supraventricular arrhythmias in patients with congenital heart disease: results and technical considerations. <i>Journal of the American College of Cardiology</i> , 1993 , 22, 883-90	15.1	116

13	Coexisting Wolff-Parkinson-White syndrome and cardiac valve disease: A staged treatment approach with catheter ablation before operation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1993 , 106, 1234-1236	1.5	3
12	Effect of preexcitation on Doppler indexes of left ventricular filling. <i>American Journal of Cardiology</i> , 1993 , 71, 1462-4	3	4
11	Curative percutaneous catheter ablation using radiofrequency energy for accessory pathways in all locations: results in 100 consecutive patients. <i>Journal of the American College of Cardiology</i> , 1992 , 19, 1303-9	15.1	282
10	Electrocardiographic and electrophysiologic characteristics of anterior, midseptal and right anterior free wall accessory pathways. <i>Journal of the American College of Cardiology</i> , 1992 , 20, 1220-9	15.1	58
9	Importance of recording the right bundle branch deflection in the diagnosis of His-Purkinje reentrant tachycardia. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1992 , 15, 1015-24	1.6	22
8	Coronary air embolism complicating transseptal radiofrequency ablation of left free-wall accessory pathways. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1992 , 15, 1105-8	1.6	27
7	Ablation of the atrioventricular junction with radiofrequency energy using a new electrode catheter. <i>American Journal of Cardiology</i> , 1991 , 67, 142-7	3	79
6	Implantable cardioverter defibrillator proarrhythmia: case report and review of the literature. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1991 , 14, 1326-9	1.6	42
5	Radiofrequency catheter ablation for Wolff-Parkinson-White syndrome associated with a coronary sinus diverticulum. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1991 , 14, 1479-84	1.6	35
4	Pacemaker generator pseudomalfuction: an artifact of Holter monitoring. <i>PACE - Pacing and Clinical Electrophysiology</i> , 1991 , 14, 854-7	1.6	7
3	Radiofrequency catheter ablation for treatment of bundle branch reentrant ventricular tachycardia: results and long-term follow-up. <i>Journal of the American College of Cardiology</i> , 1991 , 18, 1767-73	15.1	158
2	Percutaneous radiofrequency catheter ablation for supraventricular arrhythmias in children. <i>Journal of the American College of Cardiology</i> , 1991 , 17, 1613-20	15.1	150
1	A computer model of the electrogram: what causes fractionation?. <i>Journal of Electrocardiology</i> , 1988 , 21 Suppl, S69-73	1.4	77