

# Eugene G Kholmovski

## List of Publications by Year in descending order

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Version: 2024-02-01

85  
papers

7,130  
citations

156536

32  
h-index

66518

82  
g-index

99  
all docs

99  
docs citations

99  
times ranked

5596  
citing authors

#	ARTICLE	IF	CITATIONS
1	Can magnetic resonance imaging accurately and reliably measure humeral cortical thickness?. JSES International, 2022, 6, 297-304.	0.7	0
2	PO-681-03 EFFECTIVE ABLATION SETTINGS THAT PREDICT CHRONIC SCAR AFTER ATRIAL ABLATION WITH MULTI-ELECTRODE RADIOFREQUENCY BALLOON CATHETER. Heart Rhythm, 2022, 19, S361-S362.	0.3	0
3	Effect of MRI-Guided Fibrosis Ablation vs Conventional Catheter Ablation on Atrial Arrhythmia Recurrence in Patients With Persistent Atrial Fibrillation. JAMA - Journal of the American Medical Association, 2022, 327, 2296.	3.8	113
4	Efficacy of LGEâ€MRIâ€guided fibrosis ablation versus conventional catheter ablation of atrial fibrillation: The DECAAF II trial: Study design. Journal of Cardiovascular Electrophysiology, 2021, 32, 916-924.	0.8	52
5	Late Gadolinium Enhancement Magnetic Resonance Imaging Evaluation of Postâ€Atrial Fibrillation Ablation Esophageal Thermal Injury Across the Spectrum of Severity. Journal of the American Heart Association, 2021, 10, e018924.	1.6	3
6	Saturation recovery-prepared magnetic resonance angiography for assessment of left atrial and esophageal anatomy. British Journal of Radiology, 2021, 94, 20210048.	1.0	1
7	Acute Lesion Imaging in Predicting Chronic Tissue Injury in the Ventricles. Frontiers in Cardiovascular Medicine, 2021, 8, 791217.	1.1	2
8	Left atrial functional and structural changes associated with ablation of atrial fibrillation - Cardiac magnetic resonance study. International Journal of Cardiology, 2020, 305, 154-160.	0.8	18
9	Left atrial fibrosis progression detected by LGEâ€MRI after ablation of atrial fibrillation. PACE - Pacing and Clinical Electrophysiology, 2020, 43, 402-411.	0.5	19
10	Accelerated 3D Left Atrial Late Gadolinium Enhancement in Patients with Atrial Fibrillation at 1.5 T: Technical Development. Radiology: Cardiothoracic Imaging, 2020, 2, e200134.	0.9	5
11	Magnetic resonance imagingâ€guided cryoballoon ablation for left atrial substrate modification in patients with atrial fibrillation. Journal of Cardiovascular Electrophysiology, 2020, 31, 1587-1594.	0.8	2
12	High-intensity endurance training is associated with left atrial fibrosis. American Heart Journal, 2020, 226, 206-213.	1.2	21
13	An Image-based Approach for 3D Left Atrium Functional Measurements. , 2020, 47, .		3
14	Real-time magnetic resonance imaging-guided cryoablation of the pulmonary veins with acute freeze-zone and chronic lesion assessment. Europace, 2019, 21, 154-162.	0.7	19
15	Late Gadolinium Enhancement Magnetic Resonance Imaging Guided Treatment of Postâ€Atrial Fibrillation Ablation Recurrent Arrhythmia. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007174.	2.1	32
16	PRE-ABLATION LEFT ATRIAL FUNCTION AND FIBROSIS PREDICTS ATRIAL FIBRILLATION RECURRENCE: CARDIAC MAGNETIC RESONANCE STUDY. Journal of the American College of Cardiology, 2019, 73, 1464.	1.2	0
17	Cardiac MRI and Fibrosis Quantification. Cardiac Electrophysiology Clinics, 2019, 11, 537-549.	0.7	12
18	Characterization of edema after cryo and radiofrequency ablations based on serial magnetic resonance imaging. Journal of Cardiovascular Electrophysiology, 2019, 30, 255-262.	0.8	26

#	ARTICLE	IF	CITATIONS
19	Regions of High Dominant Frequency in Chronic Atrial Fibrillation Anchored to Areas of Atrial Fibrosis. , 2019, 46, .		1
20	Durable lesion formation while avoiding esophageal injury during ablation of atrial fibrillation: Lessons learned from late gadolinium MR imaging. Journal of Cardiovascular Electrophysiology, 2018, 29, 385-392.	0.8	16
21	Age and sex differences in atrial fibrosis among patients with atrial fibrillation. Europace, 2018, 20, 1086-1092.	0.7	82
22	Atrial Fibrosis by Late Gadolinium Enhancement Magnetic Resonance Imaging and Catheter Ablation of Atrial Fibrillation: 5-Year Follow-Up Data. Journal of the American Heart Association, 2018, 7, e006313.	1.6	86
23	High-Power Radiofrequency Catheter Ablation of Atrial Fibrillation. JACC: Clinical Electrophysiology, 2018, 4, 1583-1594.	1.3	81
24	Higher contact force during radiofrequency ablation leads to a much larger increase in edema as compared to chronic lesion size. Journal of Cardiovascular Electrophysiology, 2018, 29, 1143-1149.	0.8	11
25	Acute noncontrast T1-weighted magnetic resonance imaging predicts chronic radiofrequency ablation lesions. Journal of Cardiovascular Electrophysiology, 2018, 29, 1556-1562.	0.8	15
26	Characterization of Gadolinium Contrast Enhancement of Radiofrequency Ablation Lesions in Predicting Edema and Chronic Lesion Size. Circulation: Arrhythmia and Electrophysiology, 2017, 10, .	2.1	44
27	Assessment of Left Atrial Fibrosis by Late Gadolinium Enhancement Magnetic Resonance Imaging. JACC: Clinical Electrophysiology, 2017, 3, 791-802.	1.3	89
28	Left Atrial Fibrosis and Risk of Cerebrovascular and Cardiovascular Events in Patients With Atrial Fibrillation. Journal of the American College of Cardiology, 2017, 70, 1311-1321.	1.2	141
29	Effect of applied energy in renal sympathetic denervation with magnetic resonance guided focused ultrasound in a porcine model. Journal of Therapeutic Ultrasound, 2017, 5, 16.	2.2	3
30	Interstudy repeatability of self-gated quantitative myocardial perfusion MRI. Journal of Magnetic Resonance Imaging, 2016, 43, 1369-1378.	1.9	10
31	Real-time MRI-guided Cardiac Cryo-ablation: A Feasibility Study. Journal of Cardiovascular Electrophysiology, 2016, 27, 602-608.	0.8	23
32	Compressed sensing for rapid late gadolinium enhanced imaging of the left atrium: A preliminary study. Magnetic Resonance Imaging, 2016, 34, 846-854.	1.0	20
33	Radial simultaneous multi-slice CAIPI for ungated myocardial perfusion. Magnetic Resonance Imaging, 2016, 34, 1329-1336.	1.0	26
34	Prognostic Implications of Left Ventricular Scar Determined by Late Gadolinium Enhanced Cardiac Magnetic Resonance in Patients With Atrial Fibrillation. American Journal of Cardiology, 2016, 118, 991-997.	0.7	12
35	Exercise Capacity Correlates With Left Atrial Structural Remodeling as Detected by Late Gadolinium-Enhanced Cardiac Magnetic Resonance in Patients With Atrial Fibrillation. JACC: Clinical Electrophysiology, 2016, 2, 711-719.	1.3	1
36	Renal sympathetic denervation using MR-guided high-intensity focused ultrasound in a porcine model. Journal of Therapeutic Ultrasound, 2016, 4, 3.	2.2	6

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37	Substrate Modification is a Better Predictor of Catheter Ablation Success in Atrial Fibrillation than Pulmonary Vein Isolation: An LGE-MRI Study. <i>Clinical Medicine Insights: Cardiology</i> , 2015, 9, CMC.S22100.	0.6	25
38	Comparison of centric and reverseâ€centric trajectories for highly accelerated threeâ€dimensional saturation recovery cardiac perfusion imaging. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1070-1076.	1.9	8
39	Wideband late gadolinium enhanced magnetic resonance imaging for imaging myocardial scar without image artefacts induced by implantable cardioverter-defibrillator: a feasibility study at 3 T. <i>Europace</i> , 2015, 17, 483-488.	0.7	31
40	Poor scar formation after ablation is associated with atrial fibrillation recurrence. <i>Journal of Interventional Cardiac Electrophysiology</i> , 2015, 44, 247-256.	0.6	35
41	MRI Assessment of Ablationâ€Induced Scarring in Atrial Fibrillation: Analysis from the DECAAF Study. <i>Journal of Cardiovascular Electrophysiology</i> , 2015, 26, 473-480.	0.8	96
42	Incidental LV LGE on CMR Imaging in Atrial Fibrillation Predicts Recurrence After Ablation Therapy. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 793-800.	2.3	21
43	Improvement in Estimated Glomerular Filtration Rate in Patients with Chronic Kidney Disease Undergoing Catheter Ablation for Atrial Fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2015, 26, 21-27.	0.8	26
44	Computational Shape Models Characterize Shape Change of the Left Atrium in Atrial Fibrillation. <i>Clinical Medicine Insights: Cardiology</i> , 2014, 8s1, CMC.S15710.	0.6	23
45	Postâ€contrast myocardial <i>T<sub>1</sub></i> and ECV disagree in a longitudinal canine study. <i>NMR in Biomedicine</i> , 2014, 27, 988-995.	1.6	7
46	Comparison of Left Atrial Area Marked Ablated in Electroanatomical Maps with Scar in MRI. <i>Journal of Cardiovascular Electrophysiology</i> , 2014, 25, 457-463.	0.8	46
47	Association of Atrial Tissue Fibrosis Identified by Delayed Enhancement MRI and Atrial Fibrillation Catheter Ablation. <i>JAMA - Journal of the American Medical Association</i> , 2014, 311, 498.	3.8	1,114
48	Atrial Fibrillation Ablation Outcome Is Predicted by Left Atrial Remodeling on MRI. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2014, 7, 23-30.	2.1	316
49	Evaluation of highly accelerated realâ€time cardiac cine MRI in tachycardia. <i>NMR in Biomedicine</i> , 2014, 27, 175-182.	1.6	18
50	The degree of left atrial structural remodeling impacts left ventricular ejection fraction in patients with atrial fibrillation. <i>Turk Kardiyoloji Dernegi Arsivi</i> , 2014, 42, 11-19.	0.6	13
51	A Practical Algorithm for Improving Localization and Quantification of Left Ventricular Scar. <i>Computing in Cardiology</i> , 2014, 2014, 105-108.	0.4	1
52	Association of Atrial Fibrosis Quantified Using LGEâ€MRI with Atrial Appendage Thrombus and Spontaneous Contrast on Transesophageal Echocardiography in Patients with Atrial Fibrillation. <i>Journal of Cardiovascular Electrophysiology</i> , 2013, 24, 1104-1109.	0.8	158
53	Higher Degree of Left Atrial Structural Remodeling in Patients with Atrial Fibrillation and Left Ventricular Systolic Dysfunction. <i>Journal of Cardiovascular Electrophysiology</i> , 2013, 24, 485-491.	0.8	39
54	Relationship between left atrial tissue structural remodelling detected using late gadolinium enhancement MRI and left ventricular hypertrophy in patients with atrial fibrillation. <i>Europace</i> , 2013, 15, 1725-1732.	0.7	30

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55	The Effect of Fat Pad Modification during Ablation of Atrial Fibrillation: Late Gadolinium Enhancement MRI Analysis. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2013, 36, 467-476.	0.5	13
56	Initial feasibility testing of limited field of view magnetic resonance thermometry using a local cardiac radiofrequency coil. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 994-1004.	1.9	13
57	Arrhythmia insensitive rapid cardiac $T_1$ mapping pulse sequence. <i>Magnetic Resonance in Medicine</i> , 2013, 70, 1274-1282.	1.9	56
58	Identification and Acute Targeting of Gaps in Atrial Ablation Lesion Sets Using a Real-Time Magnetic Resonance Imaging System. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2012, 5, 1130-1135.	2.1	96
59	Atrial Fibrosis Quantified Using Late Gadolinium Enhancement MRI is Associated With Sinus Node Dysfunction Requiring Pacemaker Implant. <i>Journal of Cardiovascular Electrophysiology</i> , 2012, 23, 44-50.	0.8	119
60	In vivo evaluation of the delivery and efficacy of a sirolimus-laden polymer gel for inhibition of hyperplasia in a porcine model of arteriovenous hemodialysis graft stenosis. <i>Journal of Controlled Release</i> , 2012, 160, 459-467.	4.8	29
61	Real-time magnetic resonance imaging-guided radiofrequency atrial ablation and visualization of lesion formation at 3 Tesla. <i>Heart Rhythm</i> , 2011, 8, 295-303.	0.3	120
62	Association of Left Atrial Fibrosis Detected by Delayed-Enhancement Magnetic Resonance Imaging and the Risk of Stroke in Patients With Atrial Fibrillation. <i>Journal of the American College of Cardiology</i> , 2011, 57, 831-838.	1.2	349
63	Dark Regions of No-Reflow on Late Gadolinium Enhancement Magnetic Resonance Imaging Result in Scar Formation After Atrial Fibrillation Ablation. <i>Journal of the American College of Cardiology</i> , 2011, 58, 177-185.	1.2	102
64	FEMALE GENDER IS ASSOCIATED WITH HIGHER DEGREE OF ATRIAL FIBROSIS AS DETECTED USING DELAYED-ENHANCEMENT MRI. <i>Journal of the American College of Cardiology</i> , 2011, 57, E137.	1.2	0
65	Atrial Fibrosis Helps Select the Appropriate Patient and Strategy in Catheter Ablation of Atrial Fibrillation: A DE-MRI Guided Approach. <i>Journal of Cardiovascular Electrophysiology</i> , 2011, 22, 16-22.	0.8	321
66	Three-dimensional late gadolinium enhancement imaging of the left atrium with a hybrid radial acquisition and compressed sensing. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 1465-1471.	1.9	31
67	Magnetic Resonance Imaging-Confirmed Ablative Debulking of the Left Atrial Posterior Wall and Septum for Treatment of Persistent Atrial Fibrillation: Rationale and Initial Experience. <i>Journal of Cardiovascular Electrophysiology</i> , 2010, 21, 126-132.	0.8	95
68	Left Atrial Strain and Strain Rate in Patients With Paroxysmal and Persistent Atrial Fibrillation. <i>Circulation: Cardiovascular Imaging</i> , 2010, 3, 231-239.	1.3	550
69	Evaluation of Left Atrial Lesions After Initial and Repeat Atrial Fibrillation Ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2010, 3, 249-259.	2.1	197
70	Evaluation of the left atrial substrate in patients with lone atrial fibrillation using delayed-enhanced MRI: Implications for disease progression and response to catheter ablation. <i>Heart Rhythm</i> , 2010, 7, 1475-1481.	0.3	298
71	Echocardiographic left atrial reverse remodeling after catheter ablation of atrial fibrillation is predicted by preablation delayed enhancement of left atrium by magnetic resonance imaging. <i>American Heart Journal</i> , 2010, 160, 877-884.	1.2	117
72	Detection and Quantification of Left Atrial Structural Remodeling With Delayed-Enhancement Magnetic Resonance Imaging in Patients With Atrial Fibrillation. <i>Circulation</i> , 2009, 119, 1758-1767.	1.6	960

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73	Initial Experience of Assessing Esophageal Tissue Injury and Recovery Using Delayed-Enhancement MRI After Atrial Fibrillation Ablation. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2009, 2, 620-625.	2.1	41
74	HASTE sequence with parallel acquisition and T2 decay compensation: application to carotid artery imaging. <i>Magnetic Resonance Imaging</i> , 2009, 27, 13-22.	1.0	15
75	Temporal left atrial lesion formation after ablation of atrial fibrillation. <i>Heart Rhythm</i> , 2009, 6, 161-168.	0.3	94
76	New Magnetic Resonance Imaging-Based Method for Defining the Extent of Left Atrial Wall Injury After the Ablation of Atrial Fibrillation. <i>Journal of the American College of Cardiology</i> , 2008, 52, 1263-1271.	1.2	313
77	Isolated kidney phantom for development of biothermal vascular models with application to high intensity focused ultrasound therapy. <i>Medical Physics</i> , 2008, 35, 4426-4434.	1.6	2
78	Perfusion MRI with radial acquisition for arterial input function assessment. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 821-827.	1.9	28
79	Evaluation of motion effects on parallel MR imaging with precalibration. <i>Magnetic Resonance Imaging</i> , 2007, 25, 1130-1137.	1.0	7
80	K-space Inherited Parallel Acquisition (KIPA): application on dynamic magnetic resonance imaging thermometry. <i>Magnetic Resonance Imaging</i> , 2006, 24, 903-915.	1.0	23
81	High-resolution DTI with 2D interleaved multislice reduced FOV single-shot diffusion-weighted EPI (2D) Tj ETQq1 1 0.784314 1.9 182 BT /Over	1.9	182
82	Application of phase consistency to improve time efficiency and image quality in dual echo black-blood carotid angiography. <i>Magnetic Resonance Imaging</i> , 2005, 23, 711-722.	1.0	0
83	Motion artifact reduction technique for dual-contrast FSE imaging. <i>Magnetic Resonance Imaging</i> , 2002, 20, 455-462.	1.0	9
84	A generalized k-sampling scheme for 3D fast spin echo. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 11, 549-558.	1.9	20
85	Predictors of Lesions Contiguity and Transmurality in Canine Ventricular Models After Catheter Ablation. <i>Frontiers in Cardiovascular Medicine</i> , 0, 9, .	1.1	0