

Ehud J Schmidt

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

888
citations

516215

16
h-index

454577

30
g-index

33
all docs

33
docs citations

33
times ranked

891
citing authors

#	ARTICLE	IF	CITATIONS
1	Integration of cardiac magnetic resonance imaging with three-dimensional electroanatomic mapping to guide left ventricular catheter manipulation. <i>Journal of the American College of Cardiology</i> , 2004, 44, 2202-2213.	1.2	171
2	Electroanatomic Mapping of the Left Ventricle in a Porcine Model of Chronic Myocardial Infarction With Magnetic Resonance-Based Catheter Tracking. <i>Circulation</i> , 2008, 118, 853-862.	1.6	67
3	Arrhythmia Recurrence After Atrial Fibrillation Ablation: Can Magnetic Resonance Imaging Identify Gaps in Atrial Ablation Lines?. <i>Journal of Cardiovascular Electrophysiology</i> , 2008, 19, 434-437.	0.8	61
4	Electroanatomic Mapping and Radiofrequency Ablation of Porcine Left Atria and Atrioventricular Nodes Using Magnetic Resonance Catheter Tracking. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2009, 2, 695-704.	2.1	61
5	A 1.5T MRI-conditional 12-lead electrocardiogram for MRI and intra-MR intervention. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1336-1347.	1.9	48
6	Outcomes with image-based interstitial brachytherapy for vaginal cancer. <i>Radiotherapy and Oncology</i> , 2016, 120, 486-492.	0.3	42
7	Robust Atlas-Based Segmentation of Highly Variable Anatomy: Left Atrium Segmentation. <i>Lecture Notes in Computer Science</i> , 2010, 6364, 85-94.	1.0	41
8	Comparison of outcomes for MR-guided versus CT-guided high-dose-rate interstitial brachytherapy in women with locally advanced carcinoma of the cervix. <i>Gynecologic Oncology</i> , 2017, 145, 284-290.	0.6	40
9	Evaluation of an active magnetic resonance tracking system for interstitial brachytherapy. <i>Medical Physics</i> , 2015, 42, 7114-7121.	1.6	38
10	Phase-field dithering for active catheter tracking. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1398-1403.	1.9	36
11	Real-time active MR-tracking of metallic stylets in MR-guided radiation therapy. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1803-1811.	1.9	34
12	MR- versus CT-based high-dose-rate interstitial brachytherapy for vaginal recurrence of endometrial cancer. <i>Brachytherapy</i> , 2017, 16, 1159-1168.	0.2	32
13	Design and Fabrication of MR-Tracked Metallic Stylet for Gynecologic Brachytherapy. <i>IEEE/ASME Transactions on Mechatronics</i> , 2016, 21, 956-962.	3.7	30
14	Ablation Lesion Characterization in Scarred Substrate Assessed Using Cardiac Magnetic Resonance. <i>JACC: Clinical Electrophysiology</i> , 2019, 5, 91-100.	1.3	29
15	A Magnetic Resonance Imaging-Conditional External Cardiac Defibrillator for Resuscitation Within the Magnetic Resonance Imaging Scanner Bore. <i>Circulation: Cardiovascular Imaging</i> , 2016, 9, .	1.3	19
16	Prospective Clinical Implementation of a Novel Magnetic Resonance Tracking Device for Real-Time Brachytherapy Catheter Positioning. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 618-626.	0.4	18
17	MRI Conditional Actively Tracked Metallic Electrophysiology Catheters and Guidewires With Miniature Tethered Radio-Frequency Traps: Theory, Design, and Validation. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 1616-1627.	2.5	18
18	Acute enhancement of necrotic radiofrequency ablation lesions in left atrium and pulmonary vein ostia in swine model with non-contrast-enhanced 1-weighted MRI. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 1368-1379.	1.9	16

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19	Fully automated multiorgan segmentation of female pelvic magnetic resonance images with coarse-to-fine convolutional neural network. <i>Medical Physics</i> , 2021, 48, 7028-7042.	1.6	14
20	Gradient-induced voltages on 12-lead ECGs during high duty-cycle MRI sequences and a method for their removal considering linear and concomitant gradient terms. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2204-2216.	1.9	13
21	Continuous Rapid Quantification of Stroke Volume Using Magneto-hydrodynamic Voltages in 3T Magnetic Resonance Imaging. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, .	1.3	10
22	MR-Tracked Deflectable Stylet for Gynecologic Brachytherapy. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022, 27, 407-417.	3.7	9
23	Temperature-Sensitive Frozen-Tissue Imaging for Cryoablation Monitoring Using STIR-UTE MRI. <i>Investigative Radiology</i> , 2020, 55, 310-317.	3.5	8
24	Voltage-based device tracking in a 1.5 tesla MRI during imaging: initial validation in swine models. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1197-1209.	1.9	7
25	MRI use for atrial tissue characterization in arrhythmias and for EP procedure guidance. <i>International Journal of Cardiovascular Imaging</i> , 2018, 34, 81-95.	0.7	7
26	Towards Efficient Label Fusion by Pre-Alignment of Training Data. , 2011, 14, 38-46.		6
27	Navigated DENSE strain imaging for post-radiofrequency ablation lesion assessment in the swine left atria. <i>Europace</i> , 2014, 16, 133-141.	0.7	5
28	Intracardiac MR imaging (ICMRI) guiding a sheath with amplified expandable tip imaging and MR tracking for navigation and arrhythmia ablation monitoring: Swine testing at 1.5 and 3T. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 2885-2900.	1.9	5
29	An endovaginal MRI array with a forward-looking coil for advanced gynecological cancer brachytherapy procedures: design and initial results. <i>Medical Physics</i> , 2021, 48, 7283-7298.	1.6	1
30	Reduced motion external defibrillation: Reduced subject motion with equivalent defibrillation efficiency validated in swine. <i>Heart Rhythm</i> , 2022, 19, 1165-1173.	0.3	1
31	Magnetic Resonance Imaging-Guided Cardiac Interventions. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2015, 23, 563-577.	0.6	0
32	Abstract 14089: Reduced Pain External Defibrillation (RPD) and MRI-conditional RPD: Reduced Pain and Equivalent Efficiency Validation in Swine. <i>Circulation</i> , 2020, 142, .	1.6	0