

# Ehud J Schmidt

## List of Publications by Year in descending order

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32  
papers

888  
citations

516710

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454955

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33  
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docs citations

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times ranked

891  
citing authors

#	ARTICLE	IF	CITATIONS
1	MR-Tracked Deflectable Stylet for Gynecologic Brachytherapy. IEEE/ASME Transactions on Mechatronics, 2022, 27, 407-417.	5.8	9
2	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. Magnetic Resonance in Medicine, 2022, 87, 2885-2900.	3.0	5
3	Reduced motion external defibrillation: Reduced subject motion with equivalent defibrillation efficiency validated in swine. Heart Rhythm, 2022, 19, 1165-1173.	0.7	1
4	An endovaginal MRI array with a forward-looking coil for advanced gynecological cancer brachytherapy procedures: design and initial results. Medical Physics, 2021, 48, 7283-7298.	3.0	1
5	Fully automated multiorgan segmentation of female pelvic magnetic resonance images with coarse-to-fine convolutional neural network. Medical Physics, 2021, 48, 7028-7042.	3.0	14
6	MRI Conditional Actively Tracked Metallic Electrophysiology Catheters and Guidewires With Miniature Tethered Radio-Frequency Traps: Theory, Design, and Validation. IEEE Transactions on Biomedical Engineering, 2020, 67, 1616-1627.	4.2	18
7	Acute enhancement of necrotic radiofrequency ablation lesions in left atrium and pulmonary vein ostia in swine model with noncontrast-enhanced T <sub>1</sub> -weighted MRI. Magnetic Resonance in Medicine, 2020, 83, 1368-1379.	3.0	16
8	Temperature-Sensitive Frozen-Tissue Imaging for Cryoablation Monitoring Using STIR-UTE MRI. Investigative Radiology, 2020, 55, 310-317.	6.2	8
9	Abstract 14089: Reduced Pain External Defibrillation (RPD) and MRI-conditional RPD: Reduced Pain and Equivalent Efficiency Validation in Swine. Circulation, 2020, 142, .	1.6	0
10	Ablation Lesion Characterization in Scarred Substrate Assessed Using Cardiac Magnetic Resonance. JACC: Clinical Electrophysiology, 2019, 5, 91-100.	3.2	29
11	MRI use for atrial tissue characterization in arrhythmias and for EP procedure guidance. International Journal of Cardiovascular Imaging, 2018, 34, 81-95.	1.5	7
12	Prospective Clinical Implementation of a Novel Magnetic Resonance Tracking Device for Real-Time Brachytherapy Catheter Positioning. International Journal of Radiation Oncology Biology Physics, 2017, 99, 618-626.	0.8	18
13	Comparison of outcomes for MR-guided versus CT-guided high-dose-rate interstitial brachytherapy in women with locally advanced carcinoma of the cervix. Gynecologic Oncology, 2017, 145, 284-290.	1.4	40
14	MR- versus CT-based high-dose-rate interstitial brachytherapy for vaginal recurrence of endometrial cancer. Brachytherapy, 2017, 16, 1159-1168.	0.5	32
15	A Magnetic Resonance Imaging-Conditional External Cardiac Defibrillator for Resuscitation Within the Magnetic Resonance Imaging Scanner Bore. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	19
16	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. Magnetic Resonance in Medicine, 2016, 75, 2204-2216.	3.0	13
17	Outcomes with image-based interstitial brachytherapy for vaginal cancer. Radiotherapy and Oncology, 2016, 120, 486-492.	0.6	42
18	Design and Fabrication of MR-Tracked Metallic Stylet for Gynecologic Brachytherapy. IEEE/ASME Transactions on Mechatronics, 2016, 21, 956-962.	5.8	30

#	ARTICLE	IF	CITATIONS
19	Evaluation of an active magnetic resonance tracking system for interstitial brachytherapy. <i>Medical Physics</i> , 2015, 42, 7114-7121.	3.0	38
20	Real-time active MR-tracking of metallic stylets in MR-guided radiation therapy. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1803-1811.	3.0	34
21	Continuous Rapid Quantification of Stroke Volume Using Magneto-hydrodynamic Voltages in 3T Magnetic Resonance Imaging. <i>Circulation: Cardiovascular Imaging</i> , 2015, 8, .	2.6	10
22	Magnetic Resonance Imagingâ€“Guided Cardiac Interventions. <i>Magnetic Resonance Imaging Clinics of North America</i> , 2015, 23, 563-577.	1.1	0
23	Voltageâ€“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.	3.0	7
24	A 1.5T MRIâ€“conditional 12â€“lead electrocardiogram for MRI and intraâ€“MR intervention. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 1336-1347.	3.0	48
25	Navigated DENSE strain imaging for post-radiofrequency ablation lesion assessment in the swine left atria. <i>Europace</i> , 2014, 16, 133-141.	1.7	5
26	Towards Efficient Label Fusion by Pre-Alignment of Training Data. , 2011, 14, 38-46.		6
27	Phaseâ€“field dithering for active catheter tracking. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1398-1403.	3.0	36
28	Robust Atlas-Based Segmentation of Highly Variable Anatomy: Left Atrium Segmentation. <i>Lecture Notes in Computer Science</i> , 2010, 6364, 85-94.	1.3	41
29	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.	4.8	61
30	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.	1.7	61
31	Electroanatomic Mapping of the Left Ventricle in a Porcine Model of Chronic Myocardial Infarction With Magnetic Resonanceâ€“Based Catheter Tracking. <i>Circulation</i> , 2008, 118, 853-862.	1.6	67
32	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.	2.8	171