

# Wolfgang Loew

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

204  
citations

1307594

7  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

263  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intracardiac MR imaging (ICMRI) guiding a catheter 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.	3.0	5
2	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.	3.0	1
3	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.	4.2	18
4	Fully Actuated Body-Mounted Robotic System for MRI-Guided Lower Back Pain Injections: Initial Phantom and Cadaver Studies. <i>IEEE Robotics and Automation Letters</i> , 2020, 5, 5245-5251.	5.1	12
5	Mapping and correcting hyperpolarized magnetization decay with radial keyhole imaging. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 367-376.	3.0	11
6	Assessing the relationship between movement and airflow in the upper airway using computational fluid dynamics with motion determined from magnetic resonance imaging. <i>Clinical Biomechanics</i> , 2019, 66, 88-96.	1.2	39
7	An integrated MR imaging coil and body-mounted robot for MR-guided pediatric arthrography: SNR and phantom study. , 2019, , .		1
8	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
9	A novel acoustically quiet coil for neonatal MRI system. <i>Concepts in Magnetic Resonance Part B</i> , 2015, 45, 107-114.	0.7	6
10	A novel switched frequency $3H/1H$ high-pass birdcage coil for imaging at 1.5 tesla. <i>Concepts in Magnetic Resonance Part B</i> , 2015, 45, 174-182.	0.7	5
11	Characterization of acoustic noise in a neonatal intensive care unit MRI system. <i>Pediatric Radiology</i> , 2014, 44, 1011-1019.	2.0	29
12	An MRI system for imaging neonates in the NICU: initial feasibility study. <i>Pediatric Radiology</i> , 2012, 42, 1347-1356.	2.0	43