

# Charles Mougenot

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

401  
citations

1163117

8  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

455  
citing authors

#	ARTICLE	IF	CITATIONS
1	Motion compensation using principal component analysis and projection onto dipole fields for abdominal magnetic resonance thermometry. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 195-207.	3.0	21
2	An MR-based quantitative intraventricular hemorrhage porcine model for MR-guided focused ultrasound thrombolysis. <i>Child's Nervous System</i> , 2018, 34, 1643-1650.	1.1	7
3	Evaluation of Focal Ablation of Magnetic Resonance Imaging Defined Prostate Cancer Using Magnetic Resonance Imaging Controlled Transurethral Ultrasound Therapy with Prostatectomy as the Reference Standard. <i>Journal of Urology</i> , 2017, 197, 255-261.	0.4	28
4	Magnetic Resonance-guided High Intensity Focused Ultrasound in the presence of biopsy markers. <i>Journal of Therapeutic Ultrasound</i> , 2017, 5, 25.	2.2	5
5	Design and validation of an MR-conditional robot for transcranial focused ultrasound surgery in infants. <i>Medical Physics</i> , 2016, 43, 4983-4995.	3.0	12
6	Influence of geometric and material properties on artifacts generated by interventional MRI devices: Relevance to PRF-shift thermometry. <i>Medical Physics</i> , 2015, 43, 241-253.	3.0	6
7	Acoustic characterization of a neonate skull using a clinical MR-guided high intensity focused ultrasound system for pediatric neurological disorder treatment planning. <i>Journal of Therapeutic Ultrasound</i> , 2015, 3, .	2.2	5
8	Spatiotemporal filtering of MR-temperature artifacts arising from bowel motion during transurethral MR-HIFU. <i>Medical Physics</i> , 2014, 41, 113302.	3.0	14
9	MatMRI and MathIFU: software toolboxes for real-time monitoring and control of MR-guided HIFU. <i>Journal of Therapeutic Ultrasound</i> , 2013, 1, 7.	2.2	20
10	MR Thermometry Analysis of Sonication Accuracy and Safety Margin of Volumetric MR Imaging-guided High-Intensity Focused Ultrasound Ablation of Symptomatic Uterine Fibroids. <i>Radiology</i> , 2012, 265, 627-637.	7.3	41
11	Improved Volumetric MR-HIFU Ablation by Robust Binary Feedback Control. <i>IEEE Transactions on Biomedical Engineering</i> , 2010, 57, 103-113.	4.2	125
12	Three-dimensional spatial and temporal temperature control with MR thermometry-guided focused ultrasound (MRgHIFU). <i>Magnetic Resonance in Medicine</i> , 2009, 61, 603-614.	3.0	117