

Charles Mougenot

List of Publications by Year in descending order

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12
papers

401
citations

1163117

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1199594

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12
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12
docs citations

12
times ranked

455
citing authors

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