Ryan M Jones

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7918910/publications.pdf Version: 2024-02-01



RVAN M LONES

| # | Article | IF | CITATIONS |
|----|---|------|-----------|
| 1 | An Acoustic Measurement Library for Non-Invasive Trans-Rodent Skull Ultrasonic Focusing at High Frequency. IEEE Transactions on Biomedical Engineering, 2022, 69, 2184-2191. | 4.2 | 1 |
| 2 | An Ultrasound-Guided Hemispherical Phased Array for Microbubble-Mediated Ultrasound Therapy. IEEE Transactions on Biomedical Engineering, 2022, 69, 1776-1787. | 4.2 | 6 |
| 3 | Technical Principles and Clinical Workflow of Transcranial MR-Guided Focused Ultrasound. Stereotactic and Functional Neurosurgery, 2021, 99, 329-342. | 1.5 | 22 |
| 4 | Implementation of a Skull-Conformal Phased Array for Transcranial Focused Ultrasound Therapy. IEEE Transactions on Biomedical Engineering, 2021, 68, 3457-3468. | 4.2 | 20 |
| 5 | A High-Frequency Phased Array System for Transcranial Ultrasound Delivery in Small Animals. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 127-135. | 3.0 | 10 |
| 6 | The relevance of skull density ratio in selecting candidates for transcranial MR-guided focused ultrasound. Journal of Neurosurgery, 2020, 132, 1785-1791. | 1.6 | 62 |
| 7 | Ultrafast three-dimensional microbubble imaging <i>in vivo</i> predicts tissue damage volume distributions during nonthermal brain ablation. Theranostics, 2020, 10, 7211-7230. | 10.0 | 36 |
| 8 | <scp>Echoâ€Focusing</scp> in Transcranial Focused Ultrasound Thalamotomy for Essential Tremor: A Feasibility Study. Movement Disorders, 2020, 35, 2327-2333. | 3.9 | 23 |
| 9 | Accumulated thermal dose in MRI-guided focused ultrasound for essential tremor: repeated sonications with low focal temperatures. Journal of Neurosurgery, 2020, 132, 1802-1809. | 1.6 | 31 |
| 10 | Advances in acoustic monitoring and control of focused ultrasound-mediated increases in blood-brain barrier permeability. British Journal of Radiology, 2019, 92, 20180601. | 2.2 | 25 |
| 11 | Receiver array design for sonothrombolysis treatment monitoring in deep vein thrombosis. Physics in Medicine and Biology, 2018, 63, 235017. | 3.0 | 8 |
| 12 | Three-dimensional transcranial microbubble imaging for guiding volumetric ultrasound-mediated blood-brain barrier opening. Theranostics, 2018, 8, 2909-2926. | 10.0 | 100 |
| 13 | Megahertz rate, volumetric imaging of bubble clouds in sonothrombolysis using a sparse hemispherical receiver array. Physics in Medicine and Biology, 2017, 62, L31-L40. | 3.0 | 14 |
| 14 | Investigation of the Safety of Focused Ultrasound-Induced Blood-Brain Barrier Opening in a Natural Canine Model of Aging. Theranostics, 2017, 7, 3573-3584. | 10.0 | 57 |
| 15 | Registration of human skull computed tomography data to an ultrasound treatment space using a sparse high frequency ultrasound hemispherical array. Medical Physics, 2016, 43, 5063-5071. | 3.0 | 10 |
| 16 | Image-guided ultrasound phased arrays are a disruptive technology for non-invasive therapy. Physics in Medicine and Biology, 2016, 61, R206-R248. | 3.0 | 98 |
| 17 | A multi-frequency sparse hemispherical ultrasound phased array for microbubble-mediated transcranial therapy and simultaneous cavitation mapping. Physics in Medicine and Biology, 2016, 61, 8476-8501. | 3.0 | 57 |
| 18 | Comparison of analytical and numerical approaches for CT-based aberration correction in transcranial passive acoustic imaging. Physics in Medicine and Biology, 2016, 61, 23-36. | 3.0 | 41 |

Ryan M Jones

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Experimental demonstration of passive acoustic imaging in the human skull cavity using CTâ€based aberration corrections. Medical Physics, 2015, 42, 4385-4400. | 3.0 | 58 |
| 20 | Investigating a method for non-invasive ultrasound aberration correction through the skull bone. Proceedings of SPIE, 2014, , . | 0.8 | 4 |
| 21 | Three-Dimensional Transcranial Ultrasound Imaging of Microbubble Clouds Using a Sparse Hemispherical Array. IEEE Transactions on Biomedical Engineering, 2014, 61, 1285-1294. | 4.2 | 108 |
| 22 | Transcranial passive acoustic mapping with hemispherical sparse arrays using CT-based skull-specific aberration corrections: a simulation study. Physics in Medicine and Biology, 2013, 58, 4981-5005. | 3.0 | 79 |