

Jonathan R Sukovich

List of Publications by Year in descending order

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16
papers

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840776

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212
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcranial Magnetic Resonance-Guided Histotripsy for Brain Surgery: Pre-clinical Investigation. <i>Ultrasound in Medicine and Biology</i> , 2022, 48, 98-110.	1.5	13
2	Two-step aberration correction: application to transcranial histotripsy. <i>Physics in Medicine and Biology</i> , 2022, 67, 125009.	3.0	9
3	Acoustic Measurements of Nucleus Size Distribution at the Cavitation Threshold. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 1024-1031.	1.5	1
4	Transcranial MR-Guided Histotripsy System. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2021, 68, 2917-2929.	3.0	19
5	Acoustic cavitation rheometry. <i>Soft Matter</i> , 2021, 17, 2931-2941.	2.7	17
6	Histotripsy Clot Liquefaction in a Porcine Intracerebral Hemorrhage Model. <i>Neurosurgery</i> , 2020, 86, 429-436.	1.1	24
7	Histotripsy: Potential Noninvasive Management of Intracerebral Hemorrhage. <i>World Neurosurgery</i> , 2020, 139, 614-615.	1.3	4
8	A cost-effective, multi-flash, "ghost" imaging technique for high temporal and spatial resolution imaging of cavitation using "still-frame" cameras. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 1339-1343.	1.1	5
9	Single-bubble dynamics in histotripsy and high-amplitude ultrasound: Modeling and validation. <i>Physics in Medicine and Biology</i> , 2020, 65, 225014.	3.0	20
10	Real-Time Transcranial Histotripsy Treatment Localization and Mapping Using Acoustic Cavitation Emission Feedback. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 1178-1191.	3.0	25
11	Comparative study of the dynamics of laser and acoustically generated bubbles in viscoelastic media. <i>Physical Review E</i> , 2019, 99, 043103.	2.1	29
12	In vivo histotripsy brain treatment. <i>Journal of Neurosurgery</i> , 2019, 131, 1331-1338.	1.6	43
13	Soft-Tissue Aberration Correction for Histotripsy. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2018, 65, 2073-2085.	3.0	19
14	Effect of Frequency and Focal Spacing on Transcranial Histotripsy Clot Liquefaction, Using Electronic Focal Steering. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 2302-2317.	1.5	27
15	Catheter Hydrophone Aberration Correction for Transcranial Histotripsy Treatment of Intracerebral Hemorrhage: Proof-of-Concept. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2017, 64, 1684-1697.	3.0	15
16	Targeted Lesion Generation Through the Skull Without Aberration Correction Using Histotripsy. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2016, 63, 671-682.	3.0	44