

Jonathan R Sukovich

List of Publications by Year in descending order

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papers

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docs citations

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212
citing authors

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