Jason L Raymond

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5443208/publications.pdf

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29	596	623734	610901
papers	citations	14 h-index	24 g-index

38	38	38	781
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Genetic engineering biofilms inÂsitu using ultrasoundâ€mediated DNA delivery. Microbial Biotechnology, 2021, 14, 1580-1593.	4.2	4
2	Optimal Control of SonoVue Microbubbles to Estimate Hydrostatic Pressure. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 557-567.	3.0	22
3	The influence of droplet concentration on phase change and inertial cavitation thresholds associated with acoustic droplet vaporization. Journal of the Acoustical Society of America, 2020, 148, EL375-EL381.	1.1	14
4	The Effects of Hydrostatic Pressure on the Subharmonic Response of SonoVue and Sonazoid. , 2019, , .		4
5	Photo- and Sono-Dynamic Therapy: A Review of Mechanisms and Considerations for Pharmacological Agents Used in Therapy Incorporating Light and Sound. Current Pharmaceutical Design, 2019, 25, 401-412.	1.9	38
6	Effect of Temperature on the Size Distribution, Shell Properties, and Stability of DefinityÂ®. Ultrasound in Medicine and Biology, 2018, 44, 434-446.	1.5	40
7	HIFU-induced changes in optical scattering and absorption of tissue over nine orders of thermal dose. Physics in Medicine and Biology, 2018, 63, 245001.	3.0	8
8	The subharmonic amplitude of SonoVue increases with hydrostatic pressure at low incident acoustic pressures. , 2017, , .		0
9	The subharmonic amplitude of SonoVue increases with hydrostatic pressure at low incident acoustic pressures. , 2017, , .		0
10	Loss of gas from echogenic liposomes exposed to pulsed ultrasound. Physics in Medicine and Biology, 2016, 61, 8321-8339.	3.0	9
11	Combined optical sizing and acoustical characterization of single freely-floating microbubbles. Applied Physics Letters, 2016, 109, .	3.3	3
12	Effect of Frequency-Dependent Attenuation on Predicted Histotripsy Waveforms in Tissue-Mimicking Phantoms. Ultrasound in Medicine and Biology, 2016, 42, 1701-1705.	1.5	25
13	Trans-Stent B-Mode Ultrasound and Passive Cavitation Imaging. Ultrasound in Medicine and Biology, 2016, 42, 518-527.	1.5	27
14	Impulse response method for characterization of echogenic liposomes. Journal of the Acoustical Society of America, 2015, 137, 1693-1703.	1.1	11
15	Pulsed ultrasound enhances the delivery of nitric oxide from bubble liposomes to ex vivo porcine carotid tissue. International Journal of Nanomedicine, 2014, 9, 4671.	6.7	32
16	Nonlinear dynamics of single freely-floating microbubbles under prolonged insonation. , 2014, , .		0
17	Broadband Attenuation Measurements of Phospholipid-Shelled Ultrasound Contrast Agents. Ultrasound in Medicine and Biology, 2014, 40, 410-421.	1.5	68
18	Relationship between cavitation and loss of echogenicity from ultrasound contrast agents. Physics in Medicine and Biology, 2013, 58, 6541-6563.	3.0	46

#	Article	IF	Citations
19	Experimental validation of a finite-difference model for the prediction of transcranial ultrasound fields based on CT images. Physics in Medicine and Biology, 2012, 57, 8005-8022.	3.0	22
20	Comparison of electrical conductivities of various brain phantom gels: Developing a â€˜brain gel modelâ€™. Materials Science and Engineering C, 2012, 32, 2664-2667.	7.3	75
21	The effect of static pressure on the inertial cavitation threshold. Journal of the Acoustical Society of America, 2012, 132, 728-737.	1.1	32
22	Acoustic characterization of echogenic liposomes: Frequency-dependent attenuation and backscatter. Journal of the Acoustical Society of America, 2011, 130, 3472-3481.	1.1	55
23	Suppression of an acoustic mode by an elastic mode of a liquid-filled spherical shell resonator. Journal of the Acoustical Society of America, 2011, 129, 597-603.	1.1	5
24	Inertial cavitation threshold dependence on static pressures. Proceedings of Meetings on Acoustics, 2010, , .	0.3	1
25	Transient cavitation in high-quality-factor resonators at high static pressures. Journal of the Acoustical Society of America, 2010, 127, 3456-3465.	1.1	44
26	HIFU lesion characterization on liver: acquisition and results. , 2009, , .		1
27	Biological and environmental factors affecting ultrasound-induced hemolysis in vitro: 5. Temperature. Ultrasound in Medicine and Biology, 2006, 32, 893-904.	1.5	3
28	Acute Effects of High Intensity Focused Ultrasound on Blood Vessels In Vivo. AIP Conference Proceedings, 2006, , .	0.4	1
29	Reciprocity calibration of hydrophones in the megahertz frequency range. , 0, , .		2