# 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 | 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 |
| 2 | Broadband Attenuation Measurements of Phospholipid-Shelled Ultrasound Contrast Agents. Ultrasound in Medicine and Biology, 2014, 40, 410-421. | 1.5 | 68 |
| 3 | Acoustic characterization of echogenic liposomes: Frequency-dependent attenuation and backscatter. Journal of the Acoustical Society of America, 2011, 130, 3472-3481. | 1.1 | 55 |
| 4 | Relationship between cavitation and loss of echogenicity from ultrasound contrast agents. Physics in Medicine and Biology, 2013, 58, 6541-6563. | 3.0 | 46 |
| 5 | 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 |
| 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 | 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 |
| 8 | The effect of static pressure on the inertial cavitation threshold. Journal of the Acoustical Society of America, 2012, 132, 728-737. | 1.1 | 32 |
| 9 | 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 |
| 10 | Trans-Stent B-Mode Ultrasound and Passive Cavitation Imaging. Ultrasound in Medicine and Biology, 2016, 42, 518-527. | 1.5 | 27 |
| 11 | 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 |
| 12 | 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 |
| 13 | Optimal Control of SonoVue Microbubbles to Estimate Hydrostatic Pressure. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 557-567. | 3.0 | 22 |
| 14 | 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 |
| 15 | Impulse response method for characterization of echogenic liposomes. Journal of the Acoustical Society of America, 2015, 137, 1693-1703. | 1.1 | 11 |
| 16 | Loss of gas from echogenic liposomes exposed to pulsed ultrasound. Physics in Medicine and Biology, 2016, 61, 8321-8339. | 3.0 | 9 |
| 17 | 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 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | The Effects of Hydrostatic Pressure on the Subharmonic Response of SonoVue and Sonazoid. , 2019, , . | | 4 |
| 20 | Genetic engineering biofilms inÂsitu using ultrasoundâ€mediated DNA delivery. Microbial Biotechnology, 2021, 14, 1580-1593. | 4.2 | 4 |
| 21 | Biological and environmental factors affecting ultrasound-induced hemolysis in vitro: 5. Temperature. Ultrasound in Medicine and Biology, 2006, 32, 893-904. | 1.5 | 3 |
| 22 | Combined optical sizing and acoustical characterization of single freely-floating microbubbles. Applied Physics Letters, 2016, 109, . | 3.3 | 3 |
| 23 | Reciprocity calibration of hydrophones in the megahertz frequency range. , 0, , . | | 2 |
| 24 | Acute Effects of High Intensity Focused Ultrasound on Blood Vessels In Vivo. AIP Conference Proceedings, 2006, , . | 0.4 | 1 |
| 25 | HIFU lesion characterization on liver: acquisition and results. , 2009, , . | | 1 |
| 26 | Inertial cavitation threshold dependence on static pressures. Proceedings of Meetings on Acoustics, 2010, , . | 0.3 | 1 |
| 27 | Nonlinear dynamics of single freely-floating microbubbles under prolonged insonation. , 2014, , . | | 0 |
| 28 | The subharmonic amplitude of SonoVue increases with hydrostatic pressure at low incident acoustic pressures. , 2017, , . | | 0 |
| 29 | The subharmonic amplitude of SonoVue increases with hydrostatic pressure at low incident acoustic pressures. , 2017, , . | | 0 |