

Chee Hau Leow

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

689
citations

759233

12
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752698

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36
all docs

36
docs citations

36
times ranked

643
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Contrast Agent-Free Assessment of Blood Flow and Wall Shear Stress in the Rabbit Aorta using Ultrasound Image Velocimetry. <i>Ultrasound in Medicine and Biology</i> , 2022, 48, 437-449. | 1.5 | 7 |
| 2 | Selection on Golay complementary sequences in binary pulse compression for microbubble detection. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 066501. | 1.5 | 3 |
| 3 | Investigating CXCR4 expression of tumor cells and the vascular compartment: A multimodal approach. <i>PLoS ONE</i> , 2021, 16, e0260186. | 2.5 | 1 |
| 4 | 3-D Super-Resolution Ultrasound Imaging With a 2-D Sparse Array. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2020, 67, 269-277. | 3.0 | 74 |
| 5 | Contrast-Enhanced High-Frame-Rate Ultrasound Imaging of Flow Patterns in Cardiac Chambers and Deep Vessels. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 2875-2890. | 1.5 | 15 |
| 6 | Effects of Mechanical Index on Repeated Sparse Activation of Nanodroplets In Vivo. , 2020, , . | | 1 |
| 7 | Measurement of Flow Volume in the Presence of Reverse Flow with Ultrasound Speckle Decorrelation. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 3056-3066. | 1.5 | 7 |
| 8 | Optimization of 3-D Divergence-Free Flow Field Reconstruction Using 2-D Ultrasound Vector Flow Imaging. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 3042-3055. | 1.5 | 3 |
| 9 | High Frame Rate Contrast-Enhanced Ultrasound Imaging for Slow Lymphatic Flow: Influence of Ultrasound Pressure and Flow Rate on Bubble Disruption and Image Persistence. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 2456-2470. | 1.5 | 9 |
| 10 | 3-D Flow Reconstruction Using Divergence-Free Interpolation of Multiple 2-D Contrast-Enhanced Ultrasound Particle Imaging Velocimetry Measurements. <i>Ultrasound in Medicine and Biology</i> , 2019, 45, 795-810. | 1.5 | 14 |
| 11 | Development of ⁶⁸ Ga-labelled ultrasound microbubbles for whole-body PET imaging. <i>Chemical Science</i> , 2019, 10, 5603-5615. | 7.4 | 13 |
| 12 | Fast Acoustic Wave Sparsely Activated Localization Microscopy: Ultrasound Super-Resolution Using Plane-Wave Activation of Nanodroplets. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2019, 66, 1039-1046. | 3.0 | 53 |
| 13 | 3D Super-Resolution US Imaging of Rabbit Lymph Node Vasculature in Vivo by Using Microbubbles. <i>Radiology</i> , 2019, 291, 642-650. | 7.3 | 82 |
| 14 | 3-D Microvascular Imaging Using High Frame Rate Ultrasound and ASAP Without Contrast Agents: Development and Initial In Vivo Evaluation on Nontumor and Tumor Models. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2019, 66, 939-948. | 3.0 | 11 |
| 15 | Minimization of Nanodroplet Activation Time using Focused-Pulses for Droplet-Based Ultrasound Super-Resolution Imaging. , 2019, , . | | 5 |
| 16 | ASAP: Super-Contrast Vasculature Imaging Using Coherence Analysis and High Frame-Rate Contrast Enhanced Ultrasound. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 1847-1856. | 8.9 | 35 |
| 17 | Spatio-Temporal Flow and Wall Shear Stress Mapping Based on Incoherent Ensemble-Correlation of Ultrafast Contrast Enhanced Ultrasound Images. <i>Ultrasound in Medicine and Biology</i> , 2018, 44, 134-152. | 1.5 | 57 |
| 18 | High-Contrast 3D in Vivo Microvascular Imaging Using Scanning 2D Ultrasound and Acoustic Sub-Aperture Processing (ASAP). , 2018, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Fast Acoustic Wave Sparsely Activated Localization Microscopy (Fast-AWSALM) Using Octafluoropropane Nanodroplets. , 2018, , . | | 4 |
| 20 | 3-D Velocity and Volume Flow Measurement <i>In-Vivo</i> Using Speckle Decorrelation and 2-D High-Frame-Rate Contrast-Enhanced Ultrasound. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 2233-2244. | 3.0 | 19 |
| 21 | Acoustic wave sparsely activated localization microscopy (AWSALM): Super-resolution ultrasound imaging using acoustic activation and deactivation of nanodroplets. Applied Physics Letters, 2018, 113, . | 3.3 | 59 |
| 22 | Notice of Removal: 3D flow velocity reconstruction in a human radial artery from measured 2D high-frame-rate plane wave contrast enhanced ultrasound in two scanning directions " A feasibility study. , 2017, , . | | 0 |
| 23 | Acoustic response of targeted nanodroplets post-activation using high frame rate imaging. , 2017, , . | | 9 |
| 24 | Multi-frame rate plane wave contrast-enhanced ultrasound imaging for tumour vascular imaging and perfusion quantification. , 2017, , . | | 2 |
| 25 | Acoustic response of phase change contrast agents targeted with breast cancer cells immediately after ultrasonic activation using ultrafast imaging. , 2017, , . | | 0 |
| 26 | Multi-frame rate plane wave contrast-enhance ultrasound imaging for tumour vasculature imaging and perfusion quantification. , 2017, , . | | 0 |
| 27 | Cardiac flow mapping using high frame-rate diverging wave contrast enhanced ultrasound and image tracking. , 2017, , . | | 0 |
| 28 | Notice of Removal: Exploring mild bubble disruption and high frame rate contrast enhanced ultrasound for specific imaging of lymphatic vessel. , 2017, , . | | 0 |
| 29 | High frame rate ultrasound imaging of vaporised phase change contrast agents. , 2017, , . | | 4 |
| 30 | High frame rate ultrasound imaging of vaporised sub-micron phase-change contrast agents. , 2017, , . | | 0 |
| 31 | Dual frequency transcranial ultrasound for contrast enhanced ultrafast brain functional imaging. , 2017, , . | | 1 |
| 32 | Automated segmentation of blood vessel in contrast enhanced plane wave ultrasound images. , 2016, , . | | 0 |
| 33 | Vaporising phase change ultrasound contrast agent in microvascular confinement. , 2016, , . | | 10 |
| 34 | Flow Velocity Mapping Using Contrast Enhanced High-Frame-Rate Plane Wave Ultrasound and Image Tracking: Methods and Initial <i>In-Vitro</i> and <i>In-Vivo</i> Evaluation. Ultrasound in Medicine and Biology, 2015, 41, 2913-2925. | 1.5 | 147 |
| 35 | Surface Charge Measurement of SonoVue, Definity and Optison: A Comparison of Laser Doppler Electrophoresis and Micro-Electrophoresis. Ultrasound in Medicine and Biology, 2015, 41, 2990-3000. | 1.5 | 24 |
| 36 | Microbubble Void Imaging: A Non-invasive Technique for Flow Visualisation and Quantification of Mixing in Large Vessels Using Plane Wave Ultrasound and Controlled Microbubble Contrast Agent Destruction. Ultrasound in Medicine and Biology, 2015, 41, 2926-2937. | 1.5 | 19 |