

Masaaki Omura

List of Publications by Year in descending order

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26
papers

174
citations

1478505

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1281871

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27
all docs

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docs citations

27
times ranked

51
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on effect of transmit condition on ultrasonic measurement of 2D motion velocity. Japanese Journal of Applied Physics, 2022, 61, SG1053.	1.5	1
2	Characterization of blood mimicking fluid with ultrafast ultrasonic and optical image velocimeters. Japanese Journal of Applied Physics, 2022, 61, SG1067.	1.5	5
3	In Vivo Quantitative Ultrasound on Dermis and Hypodermis for Classifying Lymphedema Severity in Humans. Ultrasound in Medicine and Biology, 2022, 48, 646-662.	1.5	3
4	Backscatter properties of two-layer phantoms using a high-frequency ultrasound annular array. Japanese Journal of Applied Physics, 2022, 61, SG1049.	1.5	4
5	Investigation on improving performance of adaptive beamformer by statistical analysis of ultrasonic echoes. Japanese Journal of Applied Physics, 2022, 61, SG1040.	1.5	2
6	Investigation on application of singular value decomposition filter in element domain for extraction of ultrasonic echoes from blood cells in jugular veins. Japanese Journal of Applied Physics, 2022, 61, SG1011.	1.5	3
7	Preliminary study on estimation of flow velocity vectors using focused transmit beams. Japanese Journal of Applied Physics, 2022, 61, SG1026.	1.5	6
8	Size-dependent translational velocity of phospholipid-coated bubbles driven by acoustic radiation force. Japanese Journal of Applied Physics, 2022, 61, SG1018.	1.5	2
9	On the Investigation of Autocorrelation-Based Vector Doppler Method With Plane Wave Imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2022, 69, 1301-1311.	3.0	6
10	Evaluation of accuracy of phase-sensitive method in estimation of axial motion and deformation with fluid-structure interaction analysis. Japanese Journal of Applied Physics, 2021, 60, SDDE01.	1.5	4
11	Impact of spacing of ultrasound receiving beams on estimation of 2D motion velocity. Japanese Journal of Applied Physics, 2021, 60, SDDE07.	1.5	6
12	A study on understanding the physical mechanism of change in ultrasonic envelope statistical property during temperature elevation. Medical Physics, 2021, 48, 3042-3054.	3.0	6
13	Stability of backscattering coefficient evaluation with clinical ultrasound scanner in homogeneous medium when sound field characteristics differ from reference signal. Japanese Journal of Applied Physics, 2021, 60, SDDE24.	1.5	6
14	Noninvasive, objective evaluation of lower extremity lymphedema severity using shear wave elastography: A preliminary study. Journal of Plastic, Reconstructive and Aesthetic Surgery, 2021, 74, 3377-3385.	1.0	5
15	Measurement of flow velocity vectors in carotid artery using plane wave imaging with repeated transmit sequence. Journal of Medical Ultrasonics (2001), 2021, 48, 417-427.	1.3	7
16	Statistical Analysis of Ultrasonic Scattered Echoes Enables the Non-invasive Measurement of Temperature Elevations inside Tumor Tissue during Oncological Hyperthermia. Ultrasound in Medicine and Biology, 2021, 47, 3301-3309.	1.5	3
17	Investigation of feasibility of singular value decomposition clutter filter in plane wave imaging with packet transmission sequence. Journal of Medical Ultrasonics (2001), 2021, 48, 13-20.	1.3	12
18	Frequency dependence of attenuation and backscatter coefficient of ex vivo human lymphedema dermis. Journal of Medical Ultrasonics (2001), 2020, 47, 25-34.	1.3	7

#	ARTICLE	IF	CITATIONS
19	Validation of differences in backscatter coefficients among four ultrasound scanners with different beamforming methods. <i>Journal of Medical Ultrasonics</i> (2001), 2020, 47, 35-46.	1.3	7
20	Comparable analysis of bubble translation due to acoustic radiation force based on simultaneous acoustical and optical observation. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SKKE07.	1.5	8
21	High-frequency ultrasonic backscatter coefficient analysis considering microscopic acoustic and histopathological properties of lymphedema dermis. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SKKE15.	1.5	9
22	Ultrasound assessment of translation of microbubbles driven by acoustic radiation force in a channel filled with stationary fluid. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 2335-2349.	1.1	6
23	Visualization of a simulated lymph channel using contrast enhanced active Doppler ultrasonography method. , 2019, , .		0
24	Verification of echo amplitude envelope analysis method in skin tissues for quantitative follow-up of healing ulcers. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 07LF15.	1.5	32
25	The Speed of Sound Analysis from Micro to Macro Size by Wide Area Ultrasound Microscopic Measurement. , 2018, , .		0
26	Tissue characterization of skin ulcer for bacterial infection by multiple statistical analysis of echo amplitude envelope. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 07KF14.	1.5	24