

# Norio Tagawa

## List of Publications by Year in descending order

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29  
papers

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citations

1163117

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h-index

1125743

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g-index

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docs citations

30  
times ranked

36  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performances of Various Types of Constrained Interpolation Profile Method for Two-Dimensional Numerical Acoustic Simulation. Japanese Journal of Applied Physics, 2008, 47, 3962-3963.	1.5	28
2	Medical Ultrasound Imaging Using Pulse Compression Technique Based on Split and Merge Strategy. Japanese Journal of Applied Physics, 2010, 49, 07HF15.	1.5	17
3	Inline Transmitter/Receiver System Using Pb(Zn <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> –PbTiO <sub>3</sub> Single Crystal and Poly(vinylidene fluoride) Thin Film. Japanese Journal of Applied Physics, 2010, 49, 07JG14.	1.5	16
4	Experimental evaluation of long-range acoustic sensing using super-directivity speaker and super-resolution signal processing with pulse compression technique. Japanese Journal of Applied Physics, 2017, 56, 07JC14.	1.5	16
5	Preliminary Study of Broadband Transducer for Measurement of Bone Characteristics. Japanese Journal of Applied Physics, 2010, 49, 07HF29.	1.5	11
6	High Frame Rate Super Resolution Imaging Based on Ultrasound Synthetic Aperture Scheme. Physics Procedia, 2015, 70, 1216-1220.	1.2	11
7	High resolution ultrasonic imaging based on frequency sweep in both of transducer element domain and imaging line domain. Japanese Journal of Applied Physics, 2019, 58, 07JG03.	1.5	11
8	Characteristics of Surface Particle Motion of Coiled Waveguide Caused by Flexural Ultrasonic Waves. Japanese Journal of Applied Physics, 2008, 47, 4271-4275.	1.5	9
9	Visualization of frequency dependence of tissue characteristics by phase-contrast imaging based on ultrasonic interference method. Japanese Journal of Applied Physics, 2018, 57, 07LF20.	1.5	8
10	Acoustic sensing method for an occlusion area with super-directional sound sources and multiple modulation signal. Japanese Journal of Applied Physics, 2021, 60, SDDB09.	1.5	8
11	Characteristic analysis of diaphragm-type transducer that is thick relative to its size. Japanese Journal of Applied Physics, 2017, 56, 07JD11.	1.5	7
12	Plane wave beamforming with adaptively weighted frequency compound using bandpass filtering. Japanese Journal of Applied Physics, 2021, 60, SDDB08.	1.5	7
13	Effects of flexural vibration and thickness vibration on receiving characteristics of a diaphragm-type PZT resonator. Japanese Journal of Applied Physics, 2020, 59, 07JG10.	1.5	6
14	Ultrasonic Flaw Detection for High Impedance Materials Using a Transmission Line Coupling Method. Japanese Journal of Applied Physics, 1997, 36, 3287-3289.	1.5	5
15	Improvement of Performance Degradation in Synthetic Aperture Extension of Enhanced Axial Resolution Ultrasound Imaging Based on Frequency Sweep. Sensors, 2019, 19, 2414.	3.8	4
16	Finite Element Method Study for Generating Shear Wave by Mode Conversion of Longitudinal Wave at Elasticity Boundary in a Living Body. Japanese Journal of Applied Physics, 2013, 52, 07HF23.	1.5	3
17	Super-Resolution Ultrasound Imaging Based on the Phase of the Carrier Wave Without Deterioration by Grating Lobes. , 2018, , .		3
18	Construction of FDMAS in Baseband and Its Performance Evaluation. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Optimization of Frequency and Plane-Wave Compounding by Minimum Variance Beamforming. , 2020, , .		3
20	Performance improvement of ultrasonic range super-resolution based on phase rotation by dealing with echo distortion. Proceedings of Meetings on Acoustics, 2019, , .	0.3	3
21	Restoration of scatterer distribution based on Empirical Bayesian learning with consideration of statistical properties. Proceedings of Meetings on Acoustics, 2017, , .	0.3	2
22	A Method for Improving Signal-to-Noise Ratio of Tissue Harmonic Imaging Based on Bayesian Inference Using Information of Fundamental Echoes. Japanese Journal of Applied Physics, 2012, 51, 07GF01.	1.5	2
23	Subband compound with fundamental wave and harmonics in focus wave beamforming. Japanese Journal of Applied Physics, 2022, 61, SG1072.	1.5	2
24	One-shot beam-forming with adaptively weighted compound of multiple transmission angles and subbands. Japanese Journal of Applied Physics, 2022, 61, SG1079.	1.5	2
25	Wide-band design of diaphragm pMUT based on induction of strain in thickness direction by aspect ratio control. Proceedings of Meetings on Acoustics, 2017, , .	0.3	1
26	A Study on Structural Parameters for Optimizing Wide-Band Property of Diaphragm-Type Transducer Using Piezoelectric Thick Film. , 2018, , .		1
27	Adaptive Realization Based on One Transmission and Reception of Simultaneous Subband Compound of Harmonics. , 2021, , .		1
28	Computationally efficient super resolution ultrasound imaging based on multiple transmission/reception with different carrier frequencies. Proceedings of Meetings on Acoustics, 2017, , .	0.3	0
29	Visualization experiment of frequency dependent attenuation of tissue by multi-spectral Phase-Contrast Imaging. Proceedings of Meetings on Acoustics, 2017, , .	0.3	0