

Jian Chen

List of Publications by Year in descending order

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22
all docs

22
docs citations

22
times ranked

287
citing authors

#	ARTICLE	IF	CITATIONS
1	3-D ultrasonic image reconstruction in frequency domain using a virtual transducer model. Ultrasonics, 2022, 118, 106573.	3.9	2
2	Ultrasonic autofocus imaging of internal voids in multilayer polymer composite structures. Ultrasonics, 2022, 120, 106657.	3.9	11
3	Efficient phase shift migration for ultrasonic full-matrix imaging of multilayer composite structures. Mechanical Systems and Signal Processing, 2022, 174, 109114.	8.0	11
4	Ultrasonic full-matrix imaging of curved-surface components. Mechanical Systems and Signal Processing, 2022, 181, 109522.	8.0	9
5	An efficient wavenumber algorithm towards real-time ultrasonic full-matrix imaging of multi-layered medium. Mechanical Systems and Signal Processing, 2021, 149, 107149.	8.0	24
6	Broadband Characterization of Near-Field Focusing With Groove-Structured Lens. IEEE Access, 2021, 9, 46061-46067.	4.2	5
7	Enhanced sound focusing with single-slit lens. Applied Physics Letters, 2021, 118, 264103.	3.3	1
8	Escalated Deep-Subwavelength Acoustic Imaging with Field Enhancement Inside a Metalens. Physical Review Applied, 2021, 16, .	3.8	6
9	A Modified Wavenumber Algorithm of Multi-Layered Structures with Oblique Incidence Based on Full-Matrix Capture. Applied Sciences (Switzerland), 2021, 11, 10808.	2.5	5
10	Inter-Particle Effects with a Large Population in Acoustofluidics. Actuators, 2020, 9, 101.	2.3	2
11	Interplays between elastic particles in an ultrasonic standing wave. Applied Physics Express, 2020, 13, 027005.	2.4	3
12	Groove-structured meta-surface for patterned sub-diffraction sound focusing. Applied Physics Letters, 2019, 114, .	3.3	8
13	Broadband ultrasonic focusing in water with an ultra-compact metasurface lens. Applied Physics Letters, 2019, 114, .	3.3	53
14	Enhancing ultrasonic time-of-flight diffraction measurement through an adaptive deconvolution method. Ultrasonics, 2019, 96, 175-180.	3.9	13
15	Deep-subwavelength control of acoustic waves in an ultra-compact metasurface lens. Nature Communications, 2018, 9, 4920.	12.8	86
16	Relative position control and coalescence of independent microparticles using ultrasonic waves. Journal of Applied Physics, 2017, 121, 184503.	2.5	7
17	Frequency domain synthetic aperture focusing technique for variable-diameter cylindrical components. Journal of the Acoustical Society of America, 2017, 142, 1554-1562.	1.1	12
18	Novel ultrasound detector based on small slot micro-ring resonator with ultrahigh Q factor. Optics Communications, 2017, 382, 113-118.	2.1	11

#	ARTICLE	IF	CITATIONS
19	Ultrasonic array imaging of multilayer structures using full matrix capture and extended phase shift migration. Measurement Science and Technology, 2016, 27, 045401.	2.6	37
20	Sparse deconvolution method for ultrasound images based on automatic estimation of reference signals. Ultrasonics, 2016, 67, 1-8.	3.9	19
21	A model-based regularized inverse method for ultrasonic B-scan image reconstruction. Measurement Science and Technology, 2015, 26, 105401.	2.6	17
22	An ultrasonic methodology for determining the mechanical and geometrical properties of a thin layer using a deconvolution technique. Ultrasonics, 2013, 53, 1377-1383.	3.9	14