

Jian Chen

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

356
citations

933447

10
h-index

794594

19
g-index

22
all docs

22
docs citations

22
times ranked

287
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep-subwavelength control of acoustic waves in an ultra-compact metasurface lens. Nature Communications, 2018, 9, 4920.	12.8	86
2	Broadband ultrasonic focusing in water with an ultra-compact metasurface lens. Applied Physics Letters, 2019, 114, .	3.3	53
3	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
4	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
5	Sparse deconvolution method for ultrasound images based on automatic estimation of reference signals. Ultrasonics, 2016, 67, 1-8.	3.9	19
6	A model-based regularized inverse method for ultrasonic B-scan image reconstruction. Measurement Science and Technology, 2015, 26, 105401.	2.6	17
7	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
8	Enhancing ultrasonic time-of-flight diffraction measurement through an adaptive deconvolution method. Ultrasonics, 2019, 96, 175-180.	3.9	13
9	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
10	Novel ultrasound detector based on small slot micro-ring resonator with ultrahigh Q factor. Optics Communications, 2017, 382, 113-118.	2.1	11
11	Ultrasonic autofocus imaging of internal voids in multilayer polymer composite structures. Ultrasonics, 2022, 120, 106657.	3.9	11
12	Efficient phase shift migration for ultrasonic full-matrix imaging of multilayer composite structures. Mechanical Systems and Signal Processing, 2022, 174, 109114.	8.0	11
13	Ultrasonic full-matrix imaging of curved-surface components. Mechanical Systems and Signal Processing, 2022, 181, 109522.	8.0	9
14	Groove-structured meta-surface for patterned sub-diffraction sound focusing. Applied Physics Letters, 2019, 114, .	3.3	8
15	Relative position control and coalescence of independent microparticles using ultrasonic waves. Journal of Applied Physics, 2017, 121, 184503.	2.5	7
16	Escalated Deep-Subwavelength Acoustic Imaging with Field Enhancement Inside a Metalens. Physical Review Applied, 2021, 16, .	3.8	6
17	Broadband Characterization of Near-Field Focusing With Groove-Structured Lens. IEEE Access, 2021, 9, 46061-46067.	4.2	5
18	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

#	ARTICLE	IF	CITATIONS
19	Interplays between elastic particles in an ultrasonic standing wave. Applied Physics Express, 2020, 13, 027005.	2.4	3
20	Inter-Particle Effects with a Large Population in Acoustofluidics. Actuators, 2020, 9, 101.	2.3	2
21	3-D ultrasonic image reconstruction in frequency domain using a virtual transducer model. Ultrasonics, 2022, 118, 106573.	3.9	2
22	Enhanced sound focusing with single-slit lens. Applied Physics Letters, 2021, 118, 264103.	3.3	1