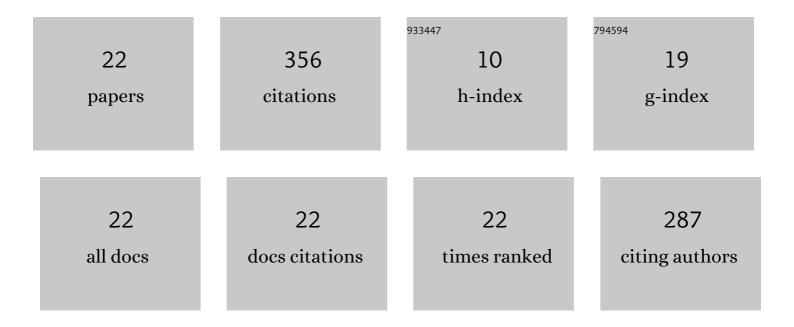
## Jian Chen

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1875026/publications.pdf Version: 2024-02-01



| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Deep-subwavelength control of acoustic waves in an ultra-compact metasurface lens. Nature<br>Communications, 2018, 9, 4920.  | 12.8 | 86        |
| 2  | Broadband ultrasonic focusing in water with an ultra-compact metasurface lens. Applied Physics<br>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<br>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.<br>Ultrasonics, 2022, 120, 106657.  | 3.9  | 11        |
| 12 | Efficient phase shift migration for ultrasonic full-matrix imaging of multilayer composite structures.<br>Mechanical Systems and Signal Processing, 2022, 174, 109114.   | 8.0  | 11        |
| 13 | Ultrasonic full-matrix imaging of curved-surface components. Mechanical Systems and Signal<br>Processing, 2022, 181, 109522.   | 8.0  | 9         |
| 14 | Groove-structured meta-surface for patterned sub-diffraction sound focusing. Applied Physics<br>Letters, 2019, 114, .  | 3.3  | 8         |
| 15 | Relative position control and coalescence of independent microparticles using ultrasonic waves.<br>Journal of Applied Physics, 2017, 121, 184503.                        | 2.5  | 7         |
| 16 | Escalated Deep-Subwavelength Acoustic Imaging with Field Enhancement Inside a Metalens. Physical<br>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<br>Full-Matrix Capture. Applied Sciences (Switzerland), 2021, 11, 10808.     | 2.5  | 5         |

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| #  | 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.<br>Ultrasonics, 2022, 118, 106573. | 3.9 | 2         |
| 22 | Enhanced sound focusing with single-slit lens. Applied Physics Letters, 2021, 118, 264103.                                   | 3.3 | 1         |