

Topical Collection

Ultrasound Transducers

Message from the Collection Editors

In this Topical Collection, we look forward to receiving papers on a wide range of research topics, including but not limited to the following themes:

- Ultrasound transducer materials/metamaterials and structures;
- Design and fabrication of various ultrasound transducers, such as piezoelectric, CMUT, PMUT, PC-MUT, and other types of transducers and transducer arrays;
- Ultrasonic-wave-involved multi-physics transduction, including photoacoustics, optical fiber-based ultrasonic sensing, micro-ring ultrasonic sensing, magnetoacoustic tomography, etc.;
- Transducer characterization technologies;
- Integration of ultrasonic systems, including electrical excitation, signal processing, impedance matching, ASIC, etc.;
- Applications of ultrasound transducers, including biomedical imaging, therapeutic intervention, NDT, acoustic tweezing, smart electronics, ultrasound gene transfection, acoustic-assisted manufacturing, etc.

For this Topical Collection, you are welcome to submit review articles or original research associated with ultrasound transducers and their applications.

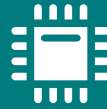
Collection Editors

Prof. Dr. Xiaoning Jiang

Department of Mechanical & Aerospace Engineering, North Carolina State University, 911 Oval Drive, Raleigh, NC 27695, USA

Dr. Jianguo Ma

School of Instrumentation and Optoelectronic Engineering, Beihang University, Beijing 100191, China



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed



mdpi.com/si/115457

Sensors

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed



[mdpi.com/journal/
sensors](https://mdpi.com/journal/sensors)



About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Chemistry, Analytical) / CiteScore - Q1 (Instrumentation)