



sensors



an Open Access Journal by MDPI

Flexible Pressure Sensors: From Design to Applications

Guest Editor:

Dr. Liang He

Department of Electronic
Engineering, Tsinghua University,
Beijing 100084, China

Deadline for manuscript
submissions:

closed (15 November 2023)

Message from the Guest Editor

Since Smith invented the flexible pressure sensor in 1954, new designs, manufacturing methods and applications of flexible sensors have been emerging constantly in consumer electronics, healthcare fields, automotive industries, etc. Sensitivity and flexibility are the most important factors when evaluating the performance of sensors; therefore, flexible pressure sensors are becoming increasingly important in environmental monitoring, wearable devices, intelligent devices, medical and other fields because of the limitations of pressure sensors made from stiff materials. Enhancing sensor performance, expanding sensor arrays, and developing self-drive and human implantation technology are key directions in flexible pressure sensors to further adapt them to new challenges.

- flexible pressure sensors
- transduction mechanism
- wearable device
- E-skin
- sensor array
- carbon nanotechnology

If you want to learn more information or need any advice, you can contact the Special Issue Editor Jincy Jiao via <jincy.jiao@mdpi.com> directly.



mdpi.com/si/132949

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and
Information Engineering,
Politecnico di Bari, Via Orabona
4, 70126 Bari, Italy

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.

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 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)