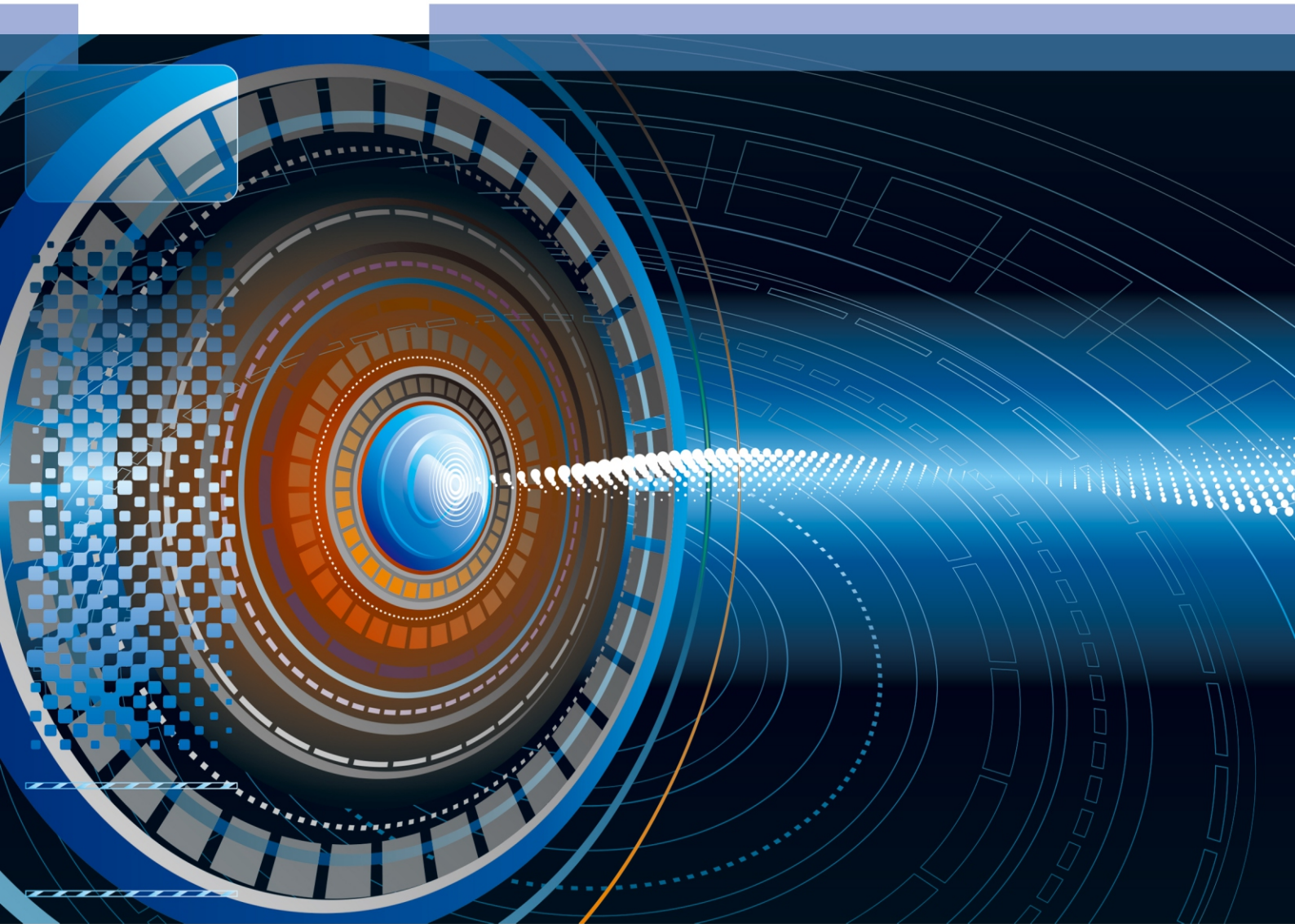


ISSN: 2161-122X Volume 14, Number 4, December 2024



Journal of Sensor Technology



ISSN: 2161-122X



9 772161 122006 04

<https://www.scirp.org/journal/jst>

Journal Editorial Board

ISSN: 2161-122X (Print), ISSN: 2161-1238 (Online)

<https://www.scirp.org/journal/jst>

Editor-in-Chief

Prof. Ashok Srivastava

Louisiana State University, USA

Editorial Board

Dr. Bruno Andò

The University of Catania, Italy

Dr. Brouzgou Angeliki

University of Thessaly, Greece

Prof. Aytunç Ates

Yildirim Beyazit University, Türkiye

Dr. Nada Farouk Atta

University of Cairo, Egypt

Prof. Saad Belkhiat

Setif University, Algeria

Prof. Ismail Hakkl Boyaci

Hacettepe University, Türkiye

Prof. Vinod Kumar Gupta

Indian Institute of Technology, India

Prof. Chang-Sik Ha

Pusan National University, South Korea

Prof. Songling Huang

Tsinghua University, China

Dr. Nirav J. Joshi

University of Sao Paulo, Brazil

Prof. Kamaruzaman Jusoff

Universiti Putra Malaysia, Malaysia

Prof. Dae-Sik Lee

Electronics and Telecommunications Research Institute, South Korea

Prof. Jong-Ho Lee

Seoul National University, South Korea

Dr. Weihua Li

University of Wollongong, Australia

Prof. Qingjun Liu

Zhejiang University, China

Prof. Xiaobing Luo

Huazhong University of Science and Technology, China

Dr. Graça M. H. Minas

University of Minho, Portugal

Prof. Sandeep Negi

University of Utah, USA

Dr. Dongning Wang

Hong Kong Polytechnic University, Hong Kong (China)

Prof. Lampl Yair

University of Tel Aviv, Israel

Dr. Wenming Zhang

Shanghai Jiao Tong University, China

Prof. Yong Zhang

Xi'an Jiaotong University, China

Prof. Yong Zhao

Northeastern University, China

Table of Contents

Volume 14 Number 4

December 2024

Impedimetric Sensor of Lanthanum and Cerium Ions Based on Functional Isosorbide-Based Oligo (Ether Sulfone) S-Modified Platinum Electrodes

M. Sebai, N. E. H. Birmi, T. Chabbah, S. Chatti, K. Alimi, R. Mercier, C. Marestin,
H. B. Halima, B. Lakard, N. Jaffrezic-Renault.....51

Enhanced Meander Antenna for Biomedical Implant Applications

P. Brou, A. Akohoule, D. Silue, O. Asseu.....68

Journal of Sensor Technology (JST)

Journal Information

SUBSCRIPTIONS

The *Journal of Sensor Technology* (Online at Scientific Research Publishing, <https://www.scirp.org/>) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$69 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright and reuse rights for the front matter of the journal:

Copyright © 2024 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

Copyright for individual papers of the journal:

Copyright © 2024 by author(s) and Scientific Research Publishing Inc.

Reuse rights for individual papers:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

Disclaimer of liability

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: jst@scirp.org



Journal of Sensor Technology (JST)

ISSN 2161-122X (Print) ISSN 2161-1238 (Online)
<https://www.scirp.org/journal/jst>

Journal of Sensor Technology is an international journal devoted to research on sensor technologies including sensor design, implementation, characterizations and application oriented technical development. It is an interdisciplinary journal serving professionals with an interest in the exploitation of biological materials and designs in novel sensor diagnostic, supervision (or surveillance), and electronic devices including sensors, DNA chips, electronic noses, lab-on-a-chip, etc. Research of physical effects, measurement, theory, modeling and simulation of sensors, is welcome.

Editor-in-Chief

Prof. Ashok Srivastava

Louisiana State University, USA

Subject Coverage

The journal publishes original papers including but not limited to the following fields:

- Arrayed Sensors
- Biosensors
- Flow Sensors
- Interferometry Based Sensors
- MEMS Pressure Sensors
- Micro Accelerometers Mems Gyroscopes
- Microelectromechanical Systems (MEMS)
- Multi-Sensor Data Fusion
- Nano-Photonic Based Sensors
- Optical Fiber Based Sensors
- Sensor Fabrication and Packaging Techniques
- Sensor Networks
- Sensor Signal Processing
- Surface Enhanced Raman Scattering (SERS) Sensors
- Surface Plasmon Based Sensors
- Ultrasonic Transducers

We are also interested in: 1) Short reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book reviews—Comments and critiques.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-mail

<https://www.scirp.org/journal/jst>

E-mail: jst@scirp.org

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience



**Scientific
Research
Publishing**

Website: <https://www.scirp.org>

Subscription: sub@scirp.org

Advertisement: service@scirp.org