

## Szakirodalmi ajánló

# MIKROELEKTRONIKA ÉS TECHNOLOGIA

## témakörben

2025/1. sz. hírlevél

### **Open access források**

Iliev, Teodor (ed.) et al.: [The International Conference on Electronics, Engineering Physics and Earth Science \(EEPES 2024\)](#) (2024)

DOI: 10.3390/books978-3-7258-2414-4

(Adatbázis: DOAB – E-book gyűjtemény)

Masu, Kazuya; Amakawa, Shuhei: [Elementary Semiconductor Device Physics](#) (2025)

DOI: 10.1201/9781003439417

(Adatbázis: DOAB – E-book gyűjtemény)

Zhang, Naibo et al.: [3D printing of micro-nano devices and their applications](#) (2025)

DOI: 10.1038/s41378-024-00812-3

(Adatbázis: ProQuest Central)

Lee, Dong Hyeon et al.: [Microelectrothermoforming \( \$\mu\$ ETF\): one-step versatile 3D shaping of flexible microelectronics for enhanced neural interfaces](#) (2025)

DOI: 10.1038/s41528-024-00378-0

(Adatbázis: ProQuest Central)

Karpiel, Ilona: [Overview of Respiratory Sensor Solutions to Support Patient Diagnosis and Monitoring](#) (2025)

DOI: 10.3390/s25041078

(Adatbázis: ProQuest Central)

Sharmile, Nowshin: [A Comprehensive Review of Quality Control and Reliability Research in Micro–Nano Technology](#) (2025)

DOI: 10.3390/technologies13030094

(Adatbázis: ProQuest Central)

Zhang, Ruian et al.: [Compositionally-graded ferroelectric thin films by solution epitaxy produce excellent dielectric stability](#) (2025)

DOI: 10.1038/s41467-024-55411-7

(Adatbázis: Springer Nature Link)

Nasri, Abdelghaffar et al.: [Principles design and applications of single electron transistors in memory devices logic gates neural networks and gas sensor](#) (2025)

DOI: 10.1007/s44291-025-00053-2

(Adatbázis: Springer Nature Link)

Tan, Ming et al.: [Enabling ultra-flexible inorganic thin-film-based thermoelectric devices by introducing nanoscale titanium layers](#) (2025)

DOI: 10.1038/s41467-025-56015-5

(Adatbázis: Springer Nature Link)

Chen, Yizhou: [Operando spin observation elucidating performance-improvement mechanisms during operation of Ruddlesden–Popper Sn-based perovskite solar cells](#) et al.: (2025)

DOI: 10.1038/s41528-024-00376-2

(Adatbázis: Springer Nature Link)

Wang, Mingqing et al.: [Electrostatic InkJet printed silver grids for non-vacuum processed CIGS solar cells](#) (2025)

DOI: /10.1038/s41598-025-94348-9

(Adatbázis: Springer Nature Link)

Majety, Sridhar et al.: [Wafer-scale integration of freestanding photonic devices with color centers in silicon carbide](#) (2025)

DOI: 10.1038/s44310-024-00049-y

(Adatbázis: Springer Nature Link)

Barati, Milad; Nikfarjam, Alireza: [Wearable CNT/PAni/fabric piezoresistive sensor for continuous blood pressure monitoring](#) (2025)

DOI: 10.1017/wtc.2024.31

(Adatbázis: Cambridge University Press)

Willemstein, Nick et al.: [A feasibility study on using soft insoles for estimating 3D ground reaction forces with incorporated 3D-printed foam-like sensors](#) (2025)

DOI: 10.1017/wtc.2024.23

(Adatbázis: Cambridge University Press)

Xiangqian, Shi et al.: [An interactive soft robotic hand-task training system with wireless task boards and daily objects on post-stroke rehabilitation](#) (2025)

DOI: 10.1017/wtc.2024.10

(Adatbázis: Cambridge University Press)

Gou, Kejing et al.: [Interior Innovation Design Using ResNet Neural Network and Intelligent Human-Computer Interaction](#) (2025)

DOI: 10.1109/ACCESS.2025.3554553

(Adatbázis: IEEE Xplore)

Richman, Devon R. et al.: [Analysis of Standards-Based Counterfeit Microelectronics Detection Methods](#) (2025)

DOI: 10.1109/ACCESS.2025.3526518

(Adatbázis: IEEE Xplore)

Sinanović, Nermin et al.: [High Resolution Short Response Time Fiber-Optic Temperature Sensor](#) (2025)

DOI: 10.1109/JSEN.2024.3517640

(Adatbázis: IEEE Xplore)

Zu, Zhongyou et al.: [Biomolecule sensors based on organic electrochemical transistors](#) (2025)

DOI: 10.1038/s41528-025-00383-x

(Adatbázis: Springer Nature Link)

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Az előfizetett adatbázisok elérése az Óbudai Egyetem hálózatából, automatikus IP cím azonosítással történik. Az egyes adatbázisok távoli elérésével, otthoni használatával kapcsolatban a Könyvtár honlapján tájékozódhat a <http://lib.uni-obuda.hu/eisz-adatbazisok> oldalon. Ha kérdése van, keresse az Egyetemi Könyvtár munkatársait!

Ren, Zhilao et al.: [An ultrastretchable seamlessly integrated contactless charging microsystem towards skin-attachable wireless microelectronics](#) (2025)

DOI: 10.1038/s41467-025-56881-z

(Adatbázis: ProQuest Central)

Kumar, Jitender et al.: [Analytical modeling of cylindrical Silicon-on-Insulator Schottky Barrier MOSFET and impact of insulator pillar radius on analog/RF and linearity parameters for low power circuit application](#) (2025)

DOI: 10.1016/j.mejo.2024.106505

(Adatbázis: ScienceDirect)

Yu, Liping et al.: [Ultraviolet time-gated active-imaging digital image correlation: A novel solution for ultra-high temperature deformation measurement](#) (2025)

DOI: 10.1016/j.optlastec.2024.111971

(Adatbázis: ScienceDirect)

Sharma, Vikas et al.: [Next-generation healthcare: Digital twin technology and Monkeypox Skin Lesion Detector network enhancing monkeypox detection - Comparison with pre-trained models](#) (2025)

DOI: 10.1016/j.engappai.2025.110257

(Adatbázis: ScienceDirect)

Ding, Juchun et al.: [Instability at imploding gas layer impacted by convergent shock](#) (2025)

DOI: 10.1017/jfm.2025.178

(Adatbázis: Cambridge University Press)

Kongqin, Lu et al.: [Microfluidic Biosensors Based on Dual-Layer Metasurfaces](#) (2025)

DOI: 10.1109/JSEN.2024.3496747

(Adatbázis: IEEE Xplore)

Liu, Heng et al: [Ultrasensitive Terahertz Biodetection Using Metasensors Based on Parity-Time Symmetry](#) (2025)

DOI: 10.1109/TTHZ.2024.3496560

(Adatbázis: IEEE Xplore)

Golmohammadi, Arash et al: [A Computational Study on the Activation of Neural Transmission in Deep Brain Stimulation](#) (2025)

DOI: 10.1109/TBME.2024.3489799

(Adatbázis: IEEE Xplore)

Yang, Zhiyong et al.: [Sensitive and Repeatable Optical Fiber Hydrogen Sensors Using Plasma-Induced Oxygen Vacancies Magnetron Sputtering Coating Technique](#) (2025)

DOI: 10.1109/JLT.2024.3493593

(Adatbázis: IEEE Xplore)

Gao, Song et al.: [Heating Characteristics and Identification Method of Carbonization Defect Composite Insulators Based on Electric–Magnetic– Thermal Coupling](#) (2025)

DOI: 10.1109/TDEI.2024.3407052

(Adatbázis: IEEE Xplore)

Delali Kwasi Dake et al.: [A Deep Learning Model to Predict Information Technology Students Learning Style in Adaptive Learning Systems](#) (2025)

DOI: 10.1109/ICSADL65848.2025.10933094

(Adatbázis: IEEE Xplore)

Zhiwen Jiang, Masahiko Shibahara: [Application of a thermal circuit model for the prediction of interfacial thermal resistance between water and a nanostructure surface using molecular dynamics simulations](#) (2025)

DOI: https://doi.org/10.1016/j.ijthermalsci.2024.109441

(Adatbázis: ScienceDirect)

Saleh Valizadeh Sotubadi et al.: [Multi-Modal Explainable Artificial Intelligence for neural network-based tool wear detection in machining](#) (2025)

DOI: 10.1016/j.engappai.2025.110141

(Adatbázis: ScienceDirect)