

Szakirodalmi ajánló

SPINTRONIKA, FELSZÍNI FIZIKA, KÉTDIMENZIÓS ELEKTRONGÁZ, NANOANYAGOK

témakörben

2026/1. sz. hírlevél

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Ibrahim Adamu Tasiu et al.: [Spintronics technology: A comprehensive review of materials, applications, and future trends](#) (2026)

DOI: 10.1016/j.jsamd.2025.101087

(Adatbázis: DOAJ)

Yukio Nozaki et al.: [Gyro-spintronic material science using vorticity gradient in solids](#) (2025)

DOI: 10.1080/14686996.2024.2428153

(Adatbázis: DOAJ)

Gyung-Min Choi et al.: [Spintronics and magnetic memory devices](#) (2025)

DOI: 10.1080/23746149.2025.2557918

(Adatbázis: DOAJ)

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(Adatbázis: DOAJ)

Wubshet Getachew Mengesha: [Thermomagnetic synergy in phase change materials for revolutionizing energy storage and spintronic devices](#) (2025)

DOI: 10.1007/s43939-025-00431-3

(Adatbázis: DOAJ)

Pei-Hao Fu et al.: [All-electrically controlled spintronics in altermagnetic heterostructures](#) (2025)

DOI: 10.1038/s41535-025-00827-7

(Adatbázis: DOAJ)

Alessandro Difalco, Alberto Castellero: [Thermoelectric Materials for Spintronics: From Physical Principles to Innovative Half Metallic Ferromagnets, Devices, and Future Perspectives](#) (2025)

DOI: 10.3390/inorganics13100332

(Adatbázis: DOAJ)

Goeun Ham et al.: [Single-Crystalline Si Stacked AlGaIn/GaN High-Electron-Mobility Transistors with Enhanced Two-Dimensional Electron Gas Density](#) (2025)

DOI: 10.3390/mi16111214

(Adatbázis: MDPI)

Roberto Baca-Arroyo: [Effects of Switching on the 2-DEG Channel in Commercial E-Mode GaN-on-Si HEMT](#) (2025)

DOI: 10.3390/mi16101173

(Adatbázis: MDPI)

Mircea Dragoman et al.: [Electric-Field-Induced Metal-Insulator Transition for Low-Power and Ultrafast Nanoelectronics](#) (2025)

DOI: 10.3390/nano15080589

(Adatbázis: MDPI)

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DOI: 10.3390/inorganics13040113

(Adatbázis: MDPI)

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DOI: 10.3390/nano15020148

(Adatbázis: MDPI)

Suhyeon Choi et al.: [Enhanced mobility and bias stability of SnO₂ thin-film transistors enabled by Ga₂O₃ passivation-induced two-dimensional electron gas](#) (2025)

DOI: 10.1016/j.mtadv.2025.100619

(Adatbázis: *ScienceDirect*)

Kaixin Yu et al.: [Large terahertz nonlinearity in two-dimensional electron gas metasurface](#) (2025)

DOI: 10.1016/j.mtelec.2025.100157

(Adatbázis: *ScienceDirect*)

Kawasuso, A. et al.: [Electron spins at surface, interface and vacancy detected by spin-polarized positron annihilation spectroscopy](#) (2025)

DOI: 10.1088/1742-6596/3029/1/012021

(Adatbázis: *ProQuest Central*)

Choi, Gyung-Min et al.: [Spintronics and magnetic memory devices](#) (2025)

DOI: 10.1080/23746149.2025.2557918

(Adatbázis: *ProQuest Central*)

Difalco Alessandro, Castellero Alberto: [Thermoelectric Materials for Spintronics: From Physical Principles to Innovative Half Metallic Ferromagnets, Devices, and Future Perspectives](#) (2025)

DOI: 10.3390/inorganics13100332

(Adatbázis: *ProQuest Central*)

Ham Goeun et al.: [Single-Crystalline Si Stacked AlGa_N/Ga_N High-Electron-Mobility Transistors with Enhanced Two-Dimensional Electron Gas Density](#) (2025)

DOI:10.3390/mi16111214

(Adatbázis: *ProQuest Central*)

Guangyuan Jiang et al.: [Influence of LPCVD-Si₃N₄ Thickness on Polarization Coulomb Field Scattering in AlGa_N/Ga_N Metal–Insulator–Semiconductor High-Electron-Mobility Transistors](#) (2025)

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(Adatbázis: ScienceDirect)

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(Adatbázis: ScienceDirect)

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(Adatbázis: IEEEExplore)

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DOI: 10.1109/EDTM61175.2025.11041586

(Adatbázis: IEEEExplore)

Arno Kirchbrücher et al.: [Threshold Voltage Control in AlGaIn/GaN/AlGaIn Double-Heterostructure MISHFET Utilizing 2-D Electron and Hole Gases](#) (2025)

DOI: 10.1109/TED.2025.3534174

(Adatbázis: IEEEExplore)

Chi, Mengshuang et al.: [Emerging 2D Ferroelectric Semiconductors: From Fundamentals to Advanced Device Applications](#) (2025)

DOI: 10.1002/advs.202514185

(Adatbázis: EBSCOhost)

Abdulazizov, B. T. et al.: [Temperature Dependence of the Occupancy of Landau Subbands in a Two-Dimensional Electron Gas](#) (2025)

DOI: 10.12693/APhysPolA.147.352

(Adatbázis: *EBSCOhost*)

Banouni, Chaimae et al.: [Unveiling geometric quantum resources and uncertainty relation in a two-dimensional electron gas](#) (2025)

DOI: 10.1007/s00340-024-08368-w

(Adatbázis: *EBSCOhost*)

Choi, Ji Hyeon et al.: [Ternary Logic Transistors Using Multi-Stacked 2D Electron Gas Channels in Ultrathin Oxide Heterostructures](#) (2025)

DOI: 10.1002/advs.202410519

(Adatbázis: *EBSCOhost*)

Adhikari, Chandan: [High-Efficiency Nanostructured Materials for Flexible and Wearable Energy Harvesting Technologies](#) (2025)

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(Adatbázis: *EBSCOhost*)

Morisot, F. et al.: [Key technological elements for efficient integration of ZnO nanonets into performant field-effect transistors](#) (2025)

DOI: 10.1063/5.0286300

(Adatbázis: *EBSCOhost*)

Isah, Mustapha: [Recent Advancement of Nanomaterials: Properties, Fabrication, and Applications](#) (2025)

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(Adatbázis: *EBSCOhost*)