

Szakirodalmi ajánló

SPINTRONIKA, FELSZÍNI FIZIKA, KÉTDIMENZIÓS ELEKTRONGÁZ, NANOANYAGOK

témakörben

2025/01. sz. hírlevél

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Yufang Xie et al.: [Emerging ferromagnetic materials for electrical spin injection: towards semiconductor spintronics](#) (2025)

DOI: 10.1038/s44306-024-00070-z

(Adatbázis: DOAJ)

Daniel Burrow et al.: [Spin polarised quantised transport via one-dimensional nanowire-graphene contacts](#) (2025)

DOI: 10.1038/s43246-025-00744-z

(Adatbázis: DOAJ)

Yasaman Fazeli et al.: [Anisotropic Elasticity, Spin–Orbit Coupling, and Topological Properties of \$\text{ZrTe}_2\$ and \$\text{NiTe}_2\$: A Comparative Study for Spintronic and Nanoscale Applications](#) (2025)

DOI: 10.3390/nano15020148

(Adatbázis: DOAJ)

Konstantin L. Kovalenko, Sergei I. Kozlovskiy, Nicolai N. Sharan: [Mobility of 2D electron gas in polar semiconductors](#) (2025)

DOI: 10.1063/5.0251623

(Adatbázis: DOAJ)

Rajwali Khan et al.: [Carrier-mediated ferromagnetism and dielectric tailoring in dual-doped ZnO semiconductor nanoparticles for spintronics](#) (2025)

DOI: 10.1016/j.mssp.2025.109487

(Adatbázis: *ScienceDirect*)

Antonino Scandurra et al.: [Two-dimensional electron gas isolation mechanism in Al_{0.2}Ga_{0.8}N/GaN heterostructure by low-energy Ar, C, Fe ion implantation](#) (2024)

DOI: 10.1016/j.apsusc.2024.160885

(Adatbázis: *ScienceDirect*)

Filippo Silveri, Flavio Della Pelle, Dario Compagnone: [Recent advances in sustainable strategies for the integration of nanostructured sensing surfaces in electroanalytical devices](#) (2025)

DOI: 10.1016/j.trac.2025.118175

(Adatbázis: *ScienceDirect*)

Rajwali Khan et al.: [Carrier-mediated ferromagnetism and dielectric tailoring in dual-doped ZnO semiconductor nanoparticles for spintronics](#) (2025)

DOI: 10.1016/j.mssp.2025.109487

(Adatbázis: *ScienceDirect*)

Yahong Yang et al.: [Stopping Power Modulation by Pump Waves of Charged Particles Moving above Two-Dimensional Electron Gases](#) (2024)

DOI: 10.1155/2021/5580444

(Adatbázis: *Cambridge Core*)

Mohammed Al Bahri, Salim Al-Kamiyani: [Harnessing Magnetic Properties for Precision Thermal Control of Vortex Domain Walls in Constricted Nanowires](#) (2025)

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DOI: 10.3390/nano15020109

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Gang Xiang, Hongtao Ren: [Advanced Spintronic and Electronic Nanomaterials](#) (2024)

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DOI: 10.3390/quantum6040040

(Adatbázis: MDPI)

Ahsan Irshad et al.: [A Compact Quasi-Static Model for Magnetic Dipole Resonance in Metallic Nanoparticles With Large Radii](#) (2025)

DOI: 10.1109/ACCESS.2025.3539078

(Adatbázis: IEEEExplore)

Jinyu Duan et al.: [Topological quantum materials for spintronics](#) (2024)

DOI: 10.1002/metm.24

(Adatbázis: Wiley Online Library)

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(Adatbázis: Wiley Online Library)

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DOI: 10.1002/adpr.202400064

(Adatbázis: Wiley Online Library)

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DOI: 10.1002/advs.202413566

(Adatbázis: Wiley Online Library)

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DOI: 10.1002/andp.202400054

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DOI: 10.1002/aelm.202400650

(Adatbázis: *Wiley Online Library*)

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DOI: 10.17169/REFUBIUM-47377

(Adatbázis: *Core*)

Daniel Scheffler: [Magnetron sputtering of magnetic thin film materials for spintronics](#) (2025)

DOI: 10.1103/PHYSREVMATERIALS.7.094405

(Adatbázis: *Core*)

Mi-Jin Jin et al.: [Interfacial Spin–Orbit–Coupling–Induced Strong Spin-to-Charge Conversion at an All-Oxide Ferromagnetic/Quasi-Two-Dimensional Electron Gas Interface](#) (2025)

DOI: 10.1021/acscami.4c20213

(Adatbázis: *Core*)

Umer Farooq Ahmed, Gwenhivir S. Wyatt-Moon, and Andrew J. Flewitt: [“Nano-In-Nano” Schottky Diodes Fabricated by Combining Self-Aligned Nanogap Patterning with Bottom-Up ZnO Nanowire Growth](#) (2025)

DOI: 10.1021/acsaelm.4c01609

(Adatbázis: *Core*)

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(Adatbázis: *MDPI*)

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DOI: 10.3390/nano14211716

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(Adatbázis: ScienceDirect)

N. E. Mohamed et al.: [Tailoring the optoelectronic and spintronics properties of Cr-doped ZnS nanostructure thin films](#) (2024)

DOI: 10.1016/j.optmat.2024.116010

(Adatbázis: ScienceDirect)

E.A. Martínez et al.: [Synthesis and in-depth interfacial characterization of 2D electron gases formed in Si3N4/Al/KTaO3 heterostructures](#) (2025)

DOI: 10.1016/j.apsusc.2025.162499

(Adatbázis: ScienceDirect)

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DOI: 10.1680/jsuin.24.00075

(Adatbázis: ScienceDirect)

Emad H. Hussein, Sahar Mohammed Ali: [Tuning electrical properties of CdS/CuO/Cu heterojunction nanoporous via electrolytic modification of surface morphology for nanoelectronics](#) (2025)

DOI: 10.1016/j.physb.2025.416972

(Adatbázis: ScienceDirect)

Qin, Laixiang; Wang, Li: [Two-Dimensional Materials, the Ultimate Solution for Future Electronics and Very-Large-Scale Integrated Circuits](#) (2025)

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(Adatbázis: EBSCOhost)