

Lista a 10 lucrări reprezentative pentru domeniul tezei de abilitare

CS I Dr. Andrei Honciuc

Nr.	10 publicații indexate ISI Web of Science	FI (2024)
1	A. Honciuc* , M. Honciuc, A. M. Solonaru "Piezoelectric Response and Energy Harvesting Capability in a Moldable PVA/PANi Composite Prepared via Frozen-Gel Polymerization" <i>ACS Applied Electronic Materials</i> 2025, 7, 7776-7790	4.7
2	A. M. Solonaru, M. Honciuc, A. Honciuc* "Adsorption performance of water-floating composites for heavy metal removal in marine and freshwater systems" <i>Journal of Environmental Chemical Engineering</i> 2025, 13, 119312	7.2
3	A. Honciuc* , O.I. Negru, M. Honciuc "Optimizing surface properties and particle morphology for metal ion adsorption: precise tuning via Pickering emulsion polymerization" <i>Nanoscale Advances</i> 2025, 7, 4947-4961	4.7
4	A. Honciuc* , M. Honciuc, A.M. Solonaru "Reversible Cu-Nanoparticle formation in soft hydrogel Composites: Towards Write-Erase displays and fluorescence detection" <i>Journal of Colloid and Interface Science</i> , 2024, 668, 37-49	9.7
5	A. Honciuc* , A.M. Solonaru, M. Honciuc "Water-Floating Hydrogel Polymer Microsphere Composites for Application in Hydrological Mining of Cu (II) Ions" <i>Nanomaterials</i> 2023, 13 (19), 2619	4.3
6	A. Honciuc* , A.M. Solonaru, M. Honciuc "Pickering Emulsion Polymerization Technology—Toward Nanostructured Materials for Applications in Metal Ion Extractions from Wastewaters" <i>ACS Applied Polymer Materials</i> 2023, 5 (10), 8012-8022	4.8
7	V. Mihali, A. Honciuc* "Self-Assembly of Strongly Amphiphilic Janus Nanoparticles into Freestanding Membranes" <i>Advanced Materials Interfaces</i> 2022, 9 (4), 2101713	4.4
8	V. Mihali, A. Honciuc* "Semiconductor–Insulator (Nano-) Couples with Tunable Properties Obtained from Asymmetric Modification of Janus Nanoparticles" <i>ACS Applied Materials & Interfaces</i> 2021, 13 (41), 49206-49214	8.2
9	C. Kang, A. Honciuc* "Versatile triblock Janus nanoparticles: synthesis and self-assembly" <i>Chemistry of Materials</i> 2019, 31 (5), 1688-1695	7
10	C. Kang, A. Honciuc* "Influence of Geometries on the Assembly of Snowman-Shaped Janus Nanoparticles" <i>ACS Nano</i> 2018, 12(4), 3741-3750	16.1

Semnătura

