

Candidat abilitare: CS II dr. Andreea Irina Barzic

**LISTA CU LUCRARI STIINTIFICE RELEVANTE
PENTRU DOMENIUL TEZEI DE ABILITARE**

NR. CRT.	LUCRARE	FI 2022
1.	A.I. Barzic , R.M. Albu, I. Stoica, C. Hulubei, New shielding covers based on transparent polyimide/ferrous sulfide composites that reduce optical losses in solar cells, <i>Compos. Sci. Technol.</i> , 218, 109140 (2022)	9,1
2.	A.I. Barzic , I. Stoica, M. Asandulesa, R.M. Albu, Novel polymer/bio-filler composites as alternative eco-friendly materials for energy storage: from solution behavior to solid state analysis, <i>Mater. Today Chem.</i> , 34, 101807 (2023)	7,3
3.	C. Hulubei, R.M. Albu, G. Lisa, A. Nicolescu, E. Hamciuc, C. Hamciuc, A.I. Barzic (☒), Antagonistic effects in structural design of sulfur-based polyimides as shielding layers for solar cells, <i>Sol. Energy Mater. Sol. Cells</i> , 193, 219 (2019)	6,9
4.	A.I. Barzic , M. Soroceanu, R. Rotaru, F. Doroftei, M. Asandulesa, C. Tugui, I.A. Dascalu, V. Harabagiu, Cellulose derivative/barium titanate composites with high refractive index, conductivity and energy density, <i>Cellulose</i> , 29, 863 (2022)	5,7
5.	M. Asandulesa, C. Hamciuc, A. Pui, C. Virlean, G. Lisa, A.I. Barzic (☒), B. Oprisan, Cobalt ferrite/polyetherimide composites as thermally stable materials for electromagnetic interference, <i>Int. J. Mol. Sci.</i> , 24, 999 (2022)	5,6
6.	R.F. Barzic, A.I. Barzic (☒), Gh. Dumitrascu, Percolation network formation in poly(4-vinylpyridine)/aluminum nitride nanocomposites: rheological, dielectric, and thermal investigations, <i>Polym. Compos.</i> , 35, 1543 (2014)	5,2
7.	A.I. Barzic , C. Hulubei, M. Asandulesa, G. Lisa, D. Popovici, I. Stoica, A. Nicolescu, R. M. Albu, Interlayer dielectrics based on copolyimides containing non-coplanar alicyclic-units for multilevel high-speed electronics, <i>Polym. Test.</i> , 90, 106704 (2020)	5,1
8.	A.I. Barzic , C. Hulubei, M.I. Avadanei, I. Stoica, D. Popovici, Polyimide precursor pattern induced by banded liquid crystal matrix: Effect of dianhydride moieties flexibility, <i>J. Mater. Sci.</i> , 50, 1358 (2015)	4,5
9.	A.I. Barzic , C. Hulubei, I. Stoica, R. M. Albu, Insights on light dispersion in semi-alicyclic polyimide alignment layers to reduce optical losses in display devices, <i>Macromol. Mater. Eng.</i> , 303, 1800235 (2018)	3,9
10.	A.I. Barzic , Novel aspects derived from the influence of dispersion properties of poly(4-vinylpyridine)/aluminum nitride nanocomposite encapsulants on light-extraction efficiency of light emitting diodes, <i>Polym. Adv. Technol.</i> , 33, 1116 (2022)	3,4

Noiembrie 2023