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1.	Synthesis and crystal structure of a cadmium(II) coordination polymer based on 4,4'-(1H-1,2,4-triazole-3,5-diyl)dibenzoate	A. M. Popovych, L. V. Tsymbal, D. M. Khomenko, A. Bargan, Y. D. Lampeka, R. D. Lampeka	Acta Crystallographica Section E: Crystallographic Communications, 80, 128-132 (2024)
2.	Synthesis and crystal structure of N1,N2-dimethylethanedihydrazide	Y. S. Bibik, D. M. Khomenko, R. O. Doroshchuk, I. V. Raspertova, A. Bargan, R. D. Lampeka	Acta Crystallographica Section E: Crystallographic Communications, 80, 148-151 (2024)
3.	Crystal structure of a water oxidation catalyst solvate with composition (NH4)2[FeIV(L-OH)].3CH3COOH (L=clatrochelate ligand)	M. O. Plutenko, S. I. Shylin, S. Shova, A. V. Binder, I. O. Fritsky	Acta Crystallographica Section E: Crystallographic Communications, 80, 25-28 (2024)
4.	Crystal structure and Hirshfeld-surface analysis of diaquabis(5-methyl-1H-1,2,4-triazole-3-carboxylato)copper(II)	Y. P. Petrenko, O. S. Vynohradov, D. M. Khomenko, R. O. Doroshchuk, I. V. Raspertova, S. Shova, R. D. Lampeka	Acta Crystallographica Section E: Crystallographic Communications, 80, 54-57 (2024)
5.	Polymer nanocomposites with smart behavior and their applicability in energy applications	A. I. Barzic, R. M. Albu	Advances in Energy Materials. New Composites and Techniques for Future Energy Applications, I. Stoica, A. R. Abraham, A. K. Haghi, Eds., CRC Press, Apple Academic Press, Boca Raton, FL, USA, 1-24 (2024)
6.	Magnetorheological and electrorheological properties of smart polymer systems and their energy-related applications	R. M. Albu, L. I. Buruiana	Advances in Energy Materials. New Composites and Techniques for Future Energy Applications, I. Stoica, A. R. Abraham, A. K. Haghi, Eds., CRC Press, Apple Academic Press, Boca Raton, FL, USA, 25-46 (2024)
7.	Metal-organic frameworks: Engineering porous materials for energy applications	M. F. Zaltariov	Advances in Energy Materials. New Composites and Techniques for Future Energy Applications, I. Stoica, A. R. Abraham, A. K. Haghi, Eds., CRC Press, Apple Academic Press, Boca Raton, FL, USA, 47-76 (2024)
8.	Enhancing the antioxidant potential of Weissella confusa PP29 probiotic media through incorporation of Hibiscus sabdareffa L. anthocyanin extract	N. Simionescu, A. R. Petrovici	Antioxidants, 13, Article 165/1-15 (2024)
9.	Riboflavin mediated UV crosslinking of chitosan - gelatin cryogels for loading of	M. Brebu, R. P. Dumitriu, D. Pamfil, E. Butnaru, E.	Carbohydrate Polymers, 324, Article 121521/1-13 (2024)

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11.	Experimental and theoretical investigations on Hg(II) removal by recyclable composite sorbents comprised of polymers bearing thiourea or amidoxime functional groups and mesoporous silica	D. Humelnicu, C. A. Ghiorghita, I. Humelnicu, E. S. Dragan	Chemical Engineering Journal, 479, Article 147690/1-17 (2024)
12.	The potential emulsions of xanthan gum and Daucus carota macerated oil in functional textiles for skincare applications: Formulation, characterization, and performance evaluation	E. D. Lotos, A. Danila, A. L. Vasiliu, I. Rosca, D. V. Stroian, B. C. Simionescu, M. Mihai	Colloids and Surfaces A: Physicochemical and Engineering Aspects, 682, Article 132960/1-15 (2024)
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14.	Hierarchical multiscale modeling through inverse problem solving	A. Lyubartsev, A. Laaksonen	Comprehensive Computational Chemistry, 1st Edition, M. Yanez, R. J. Boyd, Eds., Elsevier, vol. 3, 622-635 (2024)
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16.	Nonequilibrium molecular dynamics simulation of liquid crystals and variational principle for nonequilibrium steady states	S. Sarman, A. Laaksonen	Comprehensive Computational Chemistry, 1st Edition, M. Yanez, R. J. Boyd, Eds., Elsevier, vol. 3, 762-776 (2024)
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18.	Synthesis of new zinc and copper coordination polymers derived from bis(triazole) ligands	M. C. Al-Matarneh, A. Nicolescu, I. A. Dascalu, S. Shova, C. D. Varganici, A. Fifere, R. Danac, I. C. Marinas	Crystals, 14, Article 144/1-17 (2024)
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20.	Rheology of aqueous solutions of brea gum: Bimodal flow curves and (apparent)	M. Bercea, M. A. Masuelli, B. A. Wolf	Food Hydrocolloids, 146, Article 109217/1-8 (2024)

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21.	Antimicrobial activity of Artemisia dracunculus oil-loaded agarose/poly(vinyl alcohol) hydrogel for bioapplications	C. M. Rimbu, D. Serbezeanu, T. Vlad-Bubulac, D. M. Suflet, I. Motrescu, C. Lungoci, T. Robu, N. Vrinceanu, M. Grecu, A. P. Cozma, L. Fotea, D. C. Anita, I. Popovici, C. E. Horhogea	Gels, 10, Article 26/1-17 (2024)
22.	Self-assembly of a novel polypeptide into hydrogelated dentritic architecture: Synthesis, properties, molecular docking and prospective applications	S. C. Jitaru, A. C. Enache, C. Cojocaru, G. Drochioiu, B. A. Petre, V. R. Gradinaru	Gels, 10, Article 86/1-22 (2024)
23.	Interaction between thin layers of polysaccharides studied by quartz crystal microbalance with dissipation	S. Coseri, G. Biliuta, A. L. Chibac-Scutaru	IFMBE Proceedings, 91(6th International Conference on Nanotechnologies and Biomedical Engineering, ICNBME 2023), 324-331 (2024)
24.	Composites based on biopolymers and Ag nanoparticles as potential wound dressing materials	M. G. Sibechi, S. A. Laslau, I. P. Ditu, I. Nacu, F. D. Cojocaru, M. Butnaru, L. Verestiuc	IFMBE Proceedings, 91(6th International Conference on Nanotechnologies and Biomedical Engineering, ICNBME 2023), 427-436 (2024)
25.	Characterization of films prepared by aerosol spray deposition in the (MgO)x (In2O3)1-x system	V. Morari, D. Rusu, E. V. Rusu, V. V. Ursaki, I. M. Tiginyanu	IFMBE Proceedings, 91(6th International Conference on Nanotechnologies and Biomedical Engineering, ICNBME 2023), 52-59 (2024)
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28.	Evaluation of hyaluronic acid-polymacrolactone hydrogels with 3D printing capacity	L. E. Nita, I. Nacu, A. Ghilan, A. G. Rusu, A. M. Serban, M. Bercea, L. Verestiuc, A. P. Chiriac	International Journal of Biological Macromolecules, 256, Article 128279/1-17 (2024)
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30.	Lidocaine-liposomes - A promising frontier for transdermal pain management	M. M. Leon, A. Mastaleru, A. Oancea, T. Alexa-Stratulat, C. A. Peptu, B. I. Tamba, V. Harabagiu, C. Grosu, A. I. Alexa, E. Cojocaru	Journal of Clinical Medicine, 13, Article 271/1-20 (2024)
31.	Magnetic particles and their role in polymer composites: From molecular	R. M. Albu	Modern Magnetic Materials: Properties and Applications,

	modeling to applications		I. Stoica, A. R. Abraham, A. K. Haghi, Eds., Apple Academic Press, CRC Press, Palm Bay, FL, USA, 167-190 (2024)
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33.	Effect of pH on the poly(acrylic acid)/poly(vinyl alcohol)/lysozyme complexes formation	S. Morariu, M. Avadanei, L. E. Nita	Molecules, 29, Article 208/1-23 (2024)
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37.	Photoluminescence of argan-waste-derived carbon nanodots embedded in polymer matrices	C. C. Stan, N. Elounakassi, C. Albu, A. O. Conchi, A. Coroaba, L. E. Ursu, M. Popa, H. Kaddami, A. Almaggoussi	Nanomaterials, 14, Article 83/1-14 (2024)
38.	Micro- and macrostructure of polyimide blends and composites: Methods of investigation	R. N. Darie-Nita, M. Rapa	Polyimides. Advances in Blends and Nanocomposites, M. D. Damaceanu, R. N. Darie-Nita, Eds., Elsevier, Amsterdam, Netherlands, 107-143 (2024)
39.	Polyimides: Past, present and future	M. D. Damaceanu	Polyimides. Advances in Blends and Nanocomposites, M. D. Damaceanu, R. N. Darie-Nita, Eds., Elsevier, Amsterdam, Netherlands, 1-50 (2024)
40.	Carbon nanotube-based polyimide nanocomposites - An overview	I. Butnaru, M. D. Damaceanu	Polyimides. Advances in Blends and Nanocomposites, M. D. Damaceanu, R. N. Darie-Nita, Eds., Elsevier, Amsterdam, Netherlands, 189-231 (2024)
41.	Polyimide nanocomposites loaded with metal-derived fillers	A. I. Barzic	Polyimides. Advances in Blends and Nanocomposites, M. D. Damaceanu, R. N. Darie-Nita, Eds., Elsevier, Amsterdam, Netherlands, 233-266 (2024)

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43.	Functionalization of polyimides toward high performance composite matrix	A. P. Chiriac, I. Butnaru, M. D. Damaceanu	Polyimides. Advances in Blends and Nanocomposites, M. D. Damaceanu, R. N. Darie-Nita, Eds., Elsevier, Amsterdam, Netherlands, 51-105 (2024)
44.	Polymers in wound dressing	M. Rapa, R. N. Darie-Nita	Polymeric Materials for Biomedical Implants. Characterization, Properties and Applications, S. Thomas, A. Tharacyil, Eds., Elsevier - Woodhead Publishing, Cambridge, MA, USA, 149-189 (2024)
45.	Birefringent polyvinyl alcohol layers as retardation components for display devices	A. I. Barzic, R. M, Albu, I. Stoica, C. D. Nechifor, M. I. Avadanei, D. G. Dimitriu, D. O. Dorohoi	Polymers for Advanced Technologies, 35, e6196/1-11 (2024)
46.	Poly(ethylene glycol) methyl ether acrylate-grafted chitosan-based micro- and nanoparticles as a drug delivery system for antibiotics	C. L. Logigan, C. Delaite, M. Popa, E. S. Bacaita, C. E. Tiron, C. Peptu, C. A. Peptu	Polymers, 16, Article 144/1-22 (2024)
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53.	Novel betulin-1,2,4-triazole derivatives promote in vitro dose-dependent anticancer cytotoxicity	A. Prodea, A. Milan, M. Mioc, A. Mioc, C. Oprean, R. Racoviceanu, R. Negrea-Ghiulai, G.	Processes, 12, Article 24/1-24 (2024)

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55.	Amino-functionalized silicones processed as porous dual covalent/supramolecular networks for pressure sensing	B. I. Ciubotaru, M. F. Zaltariov, M. Dascalu, A. Bele, A. Bargan, M. Cazacu	Reactive and Functional Polymers, 194, Article 105792/1-14 (2024)
56.	Insight of the viscometric behavior of pullulan and curdlan derivative solutions: Effect of the nature and salt concentration	M. M. Nafureanu, L. Ghimici, M. Constantin, D. M. Suflet, E. A. Lopez-Maldonado, C. E. Brunchi	Reactive and Functional Polymers, 194, Article 105801/1-9 (2024)
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