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1.	Ti-Si-Zr-Zn nanometallic glass substrate with a tunable zinc composition for surface-enhanced scattering of cytochrome c	R. An, H. Zheng, Y. Dong, C. Liu, T. Feng, A. Laaksonen, X. Ji	ACS Applied Materials and Interfaces, 15, 25275-25284 (2023)
2.	Alginate-coated calcium peroxide nanoparticles as a disinfectant for duodenoscope reprocessing	I. A. Turin-Moleavin, A. Sarghi, E. L. Ursu, A. I. Sandu, G. Balan, I. Rosca, A. Fifere, M. Pinteala	ACS Applied Nano Materials, 6, 23103-23113 (2023)
3.	Poly-2-aminomethyl-3-(3,4-dihydroxyphenyl)propionamide: From structure to properties	A. Petran, A. P. Crisan, C. Lar, A. Popa, T. Radu, A. Ciorita, D. Bogdan, M. Silion, C. Filip	ACS Applied Polymer Materials, 5, 3370-3380 (2023)
4.	All-silicone 3D printing technology: Toward highly elastic dielectric elastomers and complex structures	C. Tugui, M. Cazacu, D. M. Manoli, A. Stefan, M. Duduta	ACS Applied Polymer Materials, 5, 7936-7946 (2023)
5.	Pickering emulsion polymerization technology - Toward nanostructured materials for applications in metal ion extractions from wastewaters	A. Honciuc, A. M. Solonaru, M. Honciuc	ACS Applied Polymer Materials, 5, 8012-8022 (2023)
6.	Versatile zwitterionic beads for heavy metal ion removal from aqueous media and soils by sorption and catalysis processes	M. M. Zaharia, F. Bucatariu, A. L. Vasiliu, M. Mihai	ACS Applied Polymer Materials, 5, 8183-8193 (2023)
7.	Crystal structure and Hirschfeld surface analysis of poly[[tetraaqua(μ-1,2,3,4,7,8,10,12,13,16,17,19,22-dodecaazatetracyclo-[8.8.4.$1^{13,17}$.$1^{8,12}$]tetracosane-5,6,14,15,20,21-hexaonato)iron(IV)dilithium] tetrahydrate]	M. O. Plutenko, S. Shova, V. A. Pavlenko, I. A. Golenya, I. O. Fritsky	Acta Crystallographica Section E: Crystallographic Communications, 79, 1059-1062 (2023)
8.	Crystal structure of polymeric bis(3-amino-1H-pyrazole)cadmium dibromide	I. S. Kuzevanova, O. S. Vynohradov, V. A. Pavlenko, S. O. Malinkin, S. Shova, I. O. Fritsky, M. Seredyuk	Acta Crystallographica Section E: Crystallographic Communications, 79, 1151-1154 (2023)
9.	Synthesis and crystal structure of a new copper(II) complex based on 5-ethyl-3-(pyridin-2-yl)-1,2,4-triazole	Y. P. Petrenko, D. M. Khomenko, R. O. Doroshchuk, I. V. Raspertova, S. Shova, R. D. Lampeka	Acta Crystallographica Section E: Crystallographic Communications, 79, 432-435 (2023)
10.	Crystal structures of the complexes containing macrocyclic cations [M(cyclam)]2+ (M=Ni, Zn) and tetraiodidocadmate(2-) anion	I. L. Andriichuk, S. Shova, Y. D. Lampeka	Acta Crystallographica Section E: Crystallographic Communications, 79, 821-826 (2023)
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13.	Carbon dioxide capture from air leading to bis[N-(5methyl-1H-pyrazol-3-yl-kN2)carbamato-kO]copper(II)	V. Y. Sirenko, I. S. Kuzevanova, O. S. Vynohradov, D. D.	Acta Crystallographica Section E: Crystallographic Communications, 79, 988-

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17.	Frequency-tuned porous polyethylene glycol films obtained in atmospheric-pressure dielectric barrier discharge (DBD) plasma	B. G. Rusu, C. Ursu, M. Olaru, M. Barboiu	Applied Sciences 13, Article 1785/1-14 (2023)
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29.	Substituted furan sulfonamides as carbonic anhydrase inhibitors: Synthesis, biological and in silico studies	A. Angeli, V. Kartsev, A. Petrou, B. Lichitsky, A. Komogortsev, A. Geronikaki, C. T. Supuran	Bioorganic Chemistry, 138, Article 106621/1-16 (2023)
30.	In-soil degradation of polymer materials waste - A survey of different approaches in relation with environmental impact	C. A. Teaca, M. E. Ignat, M. Nechifor, F. Tanasa, L. Ignat	BioResources, 18, 2213-2261 (2023)
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44.	Polyelectrolyte complex composite cryogels with self-antibacterial properties and wide window for simultaneous removal of multiple contaminants	C. A. Ghiorghita, D. Humelnicu, M. V. Dinu, M. Ignat, S. Bonardd, D. Diaz Diaz, E. S. Dragan	Chemical Engineering Journal, 459, Article 141562/1-17 (2023)
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48.	Review on construction of nanocellulose-based conductive films and its applications in flexible electronic devices	Y. Liu, S. Zhang, N. Li, L. Li, X. Zhu, T. Deng, Y. Liu, S. Coseri	China Pulp and Paper, 42(5), 87-97 (2023)
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51.	Towards an optimal monoclonal antibody with higher binding affinity to the receptor-binding domain of SARS-CoV-2 spike proteins from different variants	A. Neamtu, F. Mocci, A. Laaksonen, F. L. Barroso da Silva	Colloids and Surfaces B: Biointerfaces, 221, Article 112986/1-10 (2023)
52.	Cobalt ferrite nanoparticles capped with perchloric acid for life-science applications	H. Ardeleanu, G. Ababei, M. Grigoras, L. Ursu, N. Melniciuc-Puica, I. Astefanoaei, D. Pricop, N. Lupu, D. Creanga	Crystals, 13, Article 1058/1-19 (2023)
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54.	Halogen bonded supramolecular assemblies constructed from azulene derivatives and perfluorinated di-/triiodobenzenes	A. Dogaru, A. A. Apostol, C. Maxim, M. Raduca, A. S. Novikov, A. Nicolescu, C. Deleanu, S. Nica, M. Andruh	CrystEngComm, 25, 5243-5261 (2023)
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56.	In vitro evaluation of antioxidant and antibacterial activities of eco-friendly synthesized silver nanoparticles using	A. Corciova, A. Fifere, I. Turin-Moleavin, C. Tuchilus, C. Mircea, I.	Current Pharmaceutical Biotechnology, 24, 460-470 (2023)

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62.	Selective detection of metal ions, sulfites and glutathione with fluorescent pyrazolines: a review	L. Sacarescu, A. L. Chibac-Scutaru, G. Roman, G. Sacarescu, M. Simionescu	Environmental Chemistry Letters, 21, 561-596 (2023)
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67.	Tailoring properties and applications of polysulfone membranes by chemical modification: Structure-properties-applications relationship	O. Dumbrava, A. Filimon, L. Marin	European Polymer Journal, 196, Article 112316/1-34 (2023)
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74.	Innovative materials produced by the electrospinning-calcination method for advanced oxidation: Kinetic and empirical modeling	P. Pascariu, C. Cojocaru	Fundamental and Biomedical Aspects of Redox Processes, G. Duca, A. Vaseashta, Eds., IGI Global Publ., 250-277 (2023)
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88.	Evaluation of poly(vinyl alcohol)-xanthan gum hydrogels loaded with neomicyn sulfate as systems for drug delivery	D. Serbezeanu, M. M. Iftime, G. L. Ailiesei, A. M. Ipate, A. Bargan, T. Vlad-Bubulac, C. M. Rimbu	Gels, 9, Article 655/1-18 (2023)
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119.	Bioactive and physico-chemical assessment of innovative poly(lactic acid)-based biocomposites containing sage, coconut oil, and modified nanoclay	R. N. Darie-Nita, A. Irimia, F. Doroftei, L. M. Stefan, A. Iwanczuk, A. Trusz	International Journal of Molecular Sciences, 24, Article 3646/1-19 (2023)
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155.	Experimental investigation of isobaric heat capacity and viscosity for suspensions of alumina nanoparticles in [C4mim][BF4] ionic liquid	E. I. Chereches, D. Bejan, C. Ibanescu, M. Danu, A. A. Minea	Journal of Thermal Analysis and Calorimetry, 148, 8879-8888 (2023)
156.	Eco-friendly flame retardant epoxy nanocomposites based on polyphosphonate and halloysite nanotubes	C. Hamciuc, T. Vlad-Bubulac, D. Serbezeanu, G. Lisa, I. Anghel, D. M. Preda	Journal of Vinyl and Additive Technology, 29, 29-40 (2023)
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176.	Novel insight into the photophysical properties and 2D supramolecular organization of poly(3,4-ethylenedioxythiophene)/permodified cyclodextrins polyrotaxanes at the air-water interface	A. El Haitami, A. M. Resmerita, L. E. Ursu, M. Asandulesa, S. Cantin, A. Farcas	Materials, 16, Article 4757/1-19 (2023)
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228.	Diffusion-driven rotation in chlolesteric liquid crystals studied using molecular dynamic simulation of a mixture of the Gay-Berne fluid and the Lennard-Jones fluid	S. Sarman, A. Laaksonen	Physical Chemistry Chemical Physics, 25, 18833-18843 (2023)
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246.	Thermal and viscoelastic responses of selected lignocellulosic wastes: Similarities and differences	D. Ionita, M. Cristea, S. F. Cosmulescu, G. Predeanu, V. Harabagiu, P. Samoila	Polymers, 15, Article 2100/1-14 (2023)
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249.	Organophosphorus reinforced poly(vinyl alcohol) nanocomposites doped with silver-loaded zeolite L nanoparticles as sustainable materials for packaging applications	T. Vlad-Bubulac, C. Hamciuc, D. Serbezeanu, D. M. Suflet, D. Rusu, G. Lisa, I. Anghel, D. M. Preda, T. Todorova, C. M. Rimbu	Polymers, 15, Article 2573/1-20 (2023)
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251.	Conjugated polymer modifying TiO2 performance for visible-light photodegradation of organics	C. G. Coromelci, E. Turcu, F. Doroftei, M. N. Palamaru, M. Ignat	Polymers, 15, Article 2805/1-17 (2023)
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256.	Self-assembled chitosan/dialdehyde carboxymethyl cellulose hydrogels: Preparation and application in the removal of complex fungicide formulations from aqueous media	C. A. Ghiorghita, M. M. Lazar, L. Ghimici, M. V. Dinu	Polymers, 15, Article 3496/1-22 (2023)
257.	Temperature induced gelation and antimicrobial of Pluronic F127 based systems	A. Lupu, I. Rosca, V. R. Gradinaru, M. Bercea	Polymers, 15, Article 355/1-18 (2023)
258.	Comparison adsorption of Cd(II) onto lignin and polysaccharide-based polymers	E. Ungureanu, M. E. Fortuna, D. G. Topa, C. O. Brezuleanu, V. I. Ungureanu, C. Chiruta, R. Rotaru, B. M. Tofanica, V. I. Popa, D. C. Jitareanu	Polymers, 15, Article 3794/1-23 (2023)
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261.	PVA/chitosan thin films containing silver nanoparticles and ibuprofen for the treatment of periodontal disease	M. Constantin, M. Lupei, S. M. Bucatariu, I. M. Pelin, F. Doroftei, D. L. Ichim, O. M. Daraba, G. Fundueanu	Polymers, 15, Article 4/1-29 (2023)
262.	Evidence through thermal analysis of retro Diels Alder reaction in model networks based on anthracene modified polyester resins	D. Ionita, M. Cristea, C. Gaina, M. Silion, B. C. Simionescu	Polymers, 15, Article 4028/1-14 (2023)
263.	Novel nanotherapeutic systems based on PEGylated squalene micelles for enhanced in vitro activity of methotrexate and cytarabine	B. F. Craciun, I. A. Sandu, D. Peptanariu, M. Pinteala	Polymers, 15, Article 4225/1-29 (2023)
264.	New quaternary ammonium derivatives based on citrus pectin	M. C. Stanciu, M. Nichifor, G. L. Ailiesei, I. Popescu, G. E. Hitruc, L. Ghimici, C. G. Tuchilus	Polymers, 15, Article 4492/1-19 (2023)
265.	Halogen-free waterborne polymeric hybrid coatings for improved fire retardancy of textiles	O. Yilmaz, M. Kucuk, R. N. Darie-Nita, C. N. Cheaburu-Yilmaz	Polymers, 15, Article 4496/1-14 (2023)
266.	Integrated hemicellulose extraction and papermaking fiber production from agro-waste biomass	A. C. Puitel, C. D. Balan, G. L. Ailiesei, E. N. Dragan, M. T. Nichita	Polymers, 15, Article 4597/1-22 (2023)
267.	Poly(vinyl alcohol)/bovine serum albumin hybrid hydrogels with tunable	M. Bercea, I. A. Plugariu, M. V. Dinu, I. M. Pelin, A.	Polymers, 15, Article 4611/1-19 (2023)

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268.	Semi-interpenetrating polymer networks based on hydroxy-ethyl methacrylate and poly(4-vinylpyridine)/polybetaines as supports for sorption and release of tetracycline	A. I. Gugoasa,, S. Racovita, S. Vasiliu, M. Popa	Polymers, 15, Article 490/1-19 (2023)
269.	Advances in the design of phenylboronic acid-based glucose sensitive hydrogels	S. Morariu	Polymers, 15, Article 582/1-27 (2023)
270.	Hybrid hydrogels for neomycin delivery: Synergistic effects of natural/synthetic polymers and proteins	M. Bercea, I. A. Plugariu, L. M. Gradinaru, M. Avadanei, F. Doroftei, V. R. Gradinaru	Polymers, 15, Article 630/1-21 (2023)
271.	Injectable networks based on a hybrid synthetic/natural polymer gel and self-assembling peptides functioning as reinforcing fillers	A. Ghilan, A. Croitoru, A. P. Chiriac, L. E. Nita, M. Bercea, A. G. Rusu	Polymers, 15, Article 636/1-15 (2023)
272.	Characteristics of composite materials of the type: TPU/PP/BaTiO3 powder for 3D printing applications	R. C. Ciobanu, C. Schreiner, M. Aradoaei, G. E. Hitruc, B. G. Rusu, M. Aflori	Polymers, 15, Article 73/1-20 (2023)
273.	New hydrogels and formulations based on piperonyl-imino-chitosan derivatives	D. Ailincai, I. Rosca	Polymers, 15, Article 753/1-16 (2023)
274.	Enzymatically-crosslinked gelation hydrogels with nanostructured architecture and self-healing performance for potential use as wound dressings	A. G. Rusu, L. E. Nita, N. Simionescu, A. Ghilan, A. P. Chiriac, L. Mititelu-Tartau	Polymers, 15, Article 780/1-19 (2023)
275.	Development of hybrid materials based on chitosan, poly(ethylene glycol) and Laponite RD: Effect of clay concentration	S. Morariu, C. E. Brunchi, M. Honciuc, M. M. Iftime	Polymers, 15, Article 841/1-18 (2023)
276.	Structure-bioactivity relationship of the functionalized polysulfone with thiethylphsphonium pendant groups: Perspective for biomedical applications	A. M. Dobos, A. Popa, C. M. Rambu, A. Filimon	Polymers, 15, Article 877/1-20 (2023)
277.	Sustainable multi-network cationic cryogels for high-efficiency removal of hazardous oxyanions from aqueous solutions	E. S. Dragan, D. Humelnicu, M. V. Dinu	Polymers, 15, Article 885/1-20 (2023)
278.	Electrical properties of poly(3,4-ethylenedioxithiophene) threaded by cucurbit[7]uril	M. Asandulesa, A. M. Resmerita, A. Farcas	Proceedings SPIE, 12493(Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies XI), 1249304/1-5 (2023)
279.	Novel semisynthetic betulinic acid-triazole hybrids with in vitro antiproliferative potential	G. Nistor, A. Mioc, M. Mioc, M. Balan-Porcarasu, R. Ghiulai, R. Racoviceanu, S. Avram, A. Prodea, A. Semenescu, A. Milan, C. Deheleanu, C. Soica	Processes, 11, Article 101/1-18 (2023)
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