

1. A. Airinei, V. Barboiu, E. Rusu, D. Timpu
Photolysis of 4-azidobiphenyl in solution studied by UV absorption spectroscopy
J. Photochem. Photobiol. A: Chem., 162, 579-584 (2004)
2. G. Aldea, D. Wyprachticky, V. Cimrova
Modification of poly(styrene-alt-maleic anhydride) with 1,3,4-oxadiazole units for electroluminescent devices
Macromol. Symp., 212, 523-528 (2004)
3. G. Aldea, G. C. Chitanu, J. M. Nunzi, S. Dabos-Seignon, B. C. Simionescu
Layer by layer deposition of Rhodamine 6G films using maleic acid copolymers as anionic partners
Nonlinear Optics, Quantum Optics, 32, 117-126 (2004)
4. A. G. Anghelescu-Dogaru, I. Popescu, G. C. Chitanu
Maleic polyelectrolytes as ecologically favourable additives in chrome tanning process
J. Environ. Protection Ecol., 5, 265-270 (2004)
5. R. Ardeleanu, I. Mangalagiu, G. Sacarescu, M. Simionescu, L. Sacarescu
Polysilane-cycloimmonium salts: New materials for organic semiconductors
Macromol. Rapid Commun., 25, 1231-1235 (2004)
6. G. Bai, L. M. N. B. Santos, M. Nichifor, A. Lopes, M. Bastos
Thermodynamics of the interaction between a hydrophobically modified polyelectrolyte and sodium dodecyl sulfate in aqueous solution
J. Phys. Chem. B, 108, 405-413 (2004)
7. A. Barsanescu, R. Buhaceanu, V. Dulman, I. Bunia, V. Neagu
Adsorption of Zn(II) by crosslinked acrylic copolymers with amine functional groups
J. Appl. Polym. Sci., 93, 803-808 (2004)
8. M. Bercea, A. Airinei, V. Hamciuc, A. Ioanid
Conformation of polysulfone-block-polydimethylsiloxane chains in solution and in the solid state
Polym. Int., 53, 1860-1865 (2004)
9. M. Bercea, S. Ioan, S. Morariu
Oligo- and polyacrylonitrile in dilute solution excluded volume effect
Polym. Plast. Technol. Eng., 43, 477-490 (2004)
10. M. Bercea, V. Paleu, I. Bercea
Lubricant oils additivated with polymers in EHD contacts. 1. Rheological behaviour
Lubrication Sci., 16, 3-24 (2004)
11. I. Bicu, F. Mustata
Ketone derivatives of Diels-Alder adducts of levopimaric acid with acrylic acid and maleic anhydride: Synthesis, characterization, and polymerization
J. Appl. Polym. Sci., 92, 2240-2252 (2004)
12. N. Bilba, D. Bilba, G. Moroi
Synthesis of polyacrylamidoxime chelating fiber and its efficiency in the retention of palladium ions
J. Appl. Polym. Sci., 92, 3730-3735 (2004)
13. M. Brebu, T. Bhaskar, K. Murai, A. Muto, Y. Sakata, M. A. Uddin
The individual and cumulative effect of brominated flame retardant and polyvinylchloride (PVC) on thermal degradation of acrylonitrile-butadiene-styrene (ABS) copolymer
Chemosphere, 56, 433-440 (2004)
14. M. Brebu, T. Bhaskar, K. Murai, A. Muto, Y. Sakata, M. A. Uddin
The effect of PVC and/or PET on thermal degradation of polymer mixtures containing brominated ABS
Fuel, 83, 2021-2028 (2004)
15. M. Brebu, T. Bashkar, K. Murai, A. Muto, Y. Sakata, M. A. Uddin
Thermal degradation of PE and PS mixed with ABS-Br and debromination of pyrolysis oil by Fe-

- and Ca- based catalysts
Polym. Degrad. Stab., 84, 459-467 (2004)
16. M. Bruma, E. Hamciuc, Y. P. Yampolskii, A. Y. Alentiev, I. A. Ronova, E. M. Rojkov
Polyetherimides for gas separation membranes
Mol. Cryst. Liq. Cryst., 418, 11-19 (2004)
17. M. Bruma, E. Hamciuc, I. Sava, N. M. Belomoina
Polymers containing phenyl-quinoxaline rings
Russian Chem. Bull., 53, 1813-1823 (2004)
18. M. Bruma, A. L. Rusanov, N. M. Belomoina
Di- and tetraphenylsilyl-containing heterochain and heterocyclic polymers. A review
Polym. Sci. Ser A, 46, 326-346 (2004)
19. F. Bucataru, F. Simon, S. Spange, S. Schwarz, S. Dragan
Adsorption of poly(vinyl formamide-co-vinyl amine) onto silica particle surfaces and stability of the formed hybrid materials
Macromol. Symp., 210, 219-228 (2004)
20. G. G. Bumbu, C. Vasile, J. Eckelt, B. A. Wolf
Investigation of the interpolymer complex between hydroxypropyl cellulose and maleic acid-styrene copolymer. 1
Macromol. Chem. Phys., 205, 1869-1876 (2004)
21. E. C. Buruiana, V. Niculescu, T. Buruiana
New polyurethane cationomers with naphthyl and phenyltriazene pendants: Synthesis and properties
J. Appl. Polym. Sci., 92, 2599-2605 (2004)
22. E. C. Buruiana, M. Olaru, B. C. Simionescu
Photobase generating new polyurethanes with oxime-urethane groups in the main chain
J. Appl. Polym. Sci., 94, 2324-2332 (2004)
23. E. C. Buruiana, T. Buruiana
Synthesis and characterization of novel polyurethane cationomers with dipeptide sequences and alkylammonium groups
J. Biomater. Sci., Polym. Ed., 15, 781-795 (2004)
24. E. C. Buruiana, T. Buruiana, G. Strat, M. Strat
Synthesis and fluorescence of polyurethane cationomers N-modified with a stilbene chromophore
J. Photochem. Photobiol. A: Chem., 162, 23-31 (2004)
25. T. Buruiana, E. C. Buruiana
Synthesis and characterization of polyurethane anionomers with bisazoaromatic chromophores and carboxylate groups
J. Polym. Sci., Part A: Polym. Chem., 42, 5463-5470 (2004)
26. O. Catanescu, I. Paraschiv, I. Sava, C. I. Simionescu, N. Hurduc, D. Scutaru
Liquid crystalline polymers. 10. Synthesis and thermal behavior of some polyethers containing a hexamethylene spacer
Int. J. Polym. Mater., 53, 33-43 (2004)
27. G. Cazacu, M. C. Pascu, L. Profire, A. I. Kowarski, M. Mihaies, C. Vasile
Lignin role in a complex polyolefin blend
Ind. Crops Products, 20, 261-273 (2004)
28. G. Cazacu, M. Mihaies, M. C. Pascu, L. Profire, A. L. Kowarski, C. Vasile
Polyolefin/lignosulfonate blends. 9 Functionalized polyolefin/lignin blends
Macromol. Mater. Eng., 289, 880-889 (2004)
29. M. Cazacu, M. Marcu, A. Vlad, M. Vasiliu
Chelate polymers. V. Novel alternating copolymers based on transition metal-azomethine

- complexes and siloxanes
J. Macromol. Sci., Pure Appl. Chem., 41A, 565-575 (2004)
30. M. Cazacu, M. Marcu, A. Vlad, G. I. Rusu, M. Avadanei
Chelate polymers. VI. New copolymers of some siloxanes containing bis(2,4-dihydroxybenzaldehydimine) Me^{2+} with bis(p-carboxyphenyl)diphenylsilane
J. Organomet. Chem., 689, 3005-3011 (2004)
31. M. Cazacu, L. Ghimici, E. S. Dragan
Ionic organic/inorganic materials. II. New linear and crosslinked poly(ethylene oxide)-based ionomers by quaternization with chloroalkyl-functionalized siloxanes
J. Polym. Sci., Part A: Polym. Chem., 42, 3720-3728 (2004)
32. A. P. Chiriac
Polymerization in a magnetic field. 14. Possibilities to improve field effect during methyl acrylate polymerization
J. Appl. Polym. Sci., 92, 1031-1036 (2004)
33. A. P. Chiriac
Polymerization in magnetic field. XVI. Kinetic aspects regarding methyl methacrylate polymerization in high magnetic field
J. Polym. Sci., Part A: Polym. Chem., 42, 5678-5686 (2004)
34. C. I. Chiriac, M. Onciu, F. Tanasa
Synthesis of aromatic amides at room temperature using triphenyl phosphite-4-dimethylaminopyridine as reagent
Des. Monom. Polym., 7, 331-335 (2004)
35. I. Cianga, T. Senyo, K. Ito, Y. Yagci
Electron transfer reactions of radical anions with TEMPO: A versatile route for transformation of living anionic polymerization into stable radical-mediated polymerization
Macromol. Rapid Commun., 25, 1697-1702 (2004)
36. I. Cianga, Y. Yagci
New polyphenylene-based macromolecular architectures by using well defined macromonomers synthesized via controlled polymerization methods
Progr. Polym. Sci., 29, 387-399 (2004)
37. C. Ciobanu, M. Ungureanu, L. Ignat, D. Ungureanu, V. I. Popa
Properties of lignin-polyurethane films prepared by casting method
Ind. Crops Products, 20, 231-241 (2004)
38. M. Constantin, G. Fundueanu, F. Bortolotti, R. Cortesi, P. Ascenzi, E. Menegatti
Preparation and characterisation of poly(vinyl alcohol)/cyclodextrin microspheres as matrix for inclusion and separation of drugs
Int. J. Pharm., 285, 87-96 (2004)
39. S. Coseri, K. U. Ingold
Distinguishing between abstraction and addition as the first step in the reaction of a nitroxyl radical with cyclohexene
Org. Lett., 6, 1641-1643 (2004)
40. E. S. Dragan, E. Avram, D. Axente, C. Marcu
Ion-exchange resins. III. Functionalization-morphology correlations in the synthesis of some macroporous, strong basic anion exchangers and uranium-sorption properties evaluation
J. Polym. Sci., Part A: Polym. Chem., 42, 2451-2461 (2004)
41. E. S. Dragan, S. Schwarz
Polyelectrolyte complexes. VI. Polycation structure, polyanion molar mass, and polyion concentration effects on complex nanoparticles based on poly(sodium 2-acrylamido-2-methylpropanesulfonate)
J. Polym. Sci., Part A: Polym. Chem., 42, 2495-2505 (2004)

42. E. S. Dragan, S. Schwarz
Polyelectrolyte complexes. VII. Complex nanoparticles based on poly(sodium 2-acryloamido-2-methylpropanesulfonate) tailored by the titrant addition rate
J. Polym. Sci., Part A: Polym. Chem., 42, 5244-5252 (2004)
43. S. Dragan, L. Ghimici, C. Wandrey
Charge density, solvent polarity and counterion nature effects on the solution properties of some polycations
Macromol. Symp., 211, 107-120 (2004)
44. G. Drochioiu, I. Mangalagiu, E. Avram, K. Popa, A. C. Dîrțu, I. Druta
Cyanide reaction with ninhydrin: Elucidation of reaction and interference mechanisms
Anal. Sci., 20, 1443-1447 (2004)
45. C. S. Dumitriu, M. Popa, S. Vasiliu, V. Sunel
Interpenetrated network-type hydrogels based on gellan and poly(vinyl alcohol) for inclusion and release of cephotaxime
J. Macromol. Sci., Pure Appl. Chem., 41A, 727-739 (2004)
46. D. Filip, S. Vlad
Thermal degradation behavior of polymer blends based on poly(ester urethane)s
High Perform. Polym., 16, 101-112 (2004)
47. N. F. Francis, M. Cristea, F. M. Winnik
Polymeric micelles for oral drug delivery: Why and how
Pure Appl. Chem., 76, 1321-1335 (2004)
48. G. Fundueanu, M. Constantin, A. Dalpiaz, F. Bortolotti, R. Cortesi, P. Ascenzi, E. Menegatti
Preparation and characterization of starch/cyclodextrin bioadhesive microspheres as platform for nasal administration of Gabexate Mesylate (Foy®) in allergic rhinitis treatment
Biomaterials, 25, 159-170 (2004)
49. C. Gaina, V. Gaina, R. Ardeleanu
Preparation and characterization of bismaleimides containing ester groups from bisphenolic chelates and their polymers
Appl. Organomet. Chem., 18, 446-454 (2004)
50. C. Gaina, V. Gaina
Synthesis and polymerization of bifunctional monomers with maleimide and allyl groups
Des. Monom. Polym., 7, 235-252 (2004)
51. C. Gaina, V. Gaina, A. Airinei, E. Avram
Polyimides containing 4,4'-bipyridinium units
J. Appl. Polym. Sci., 94, 2091-2100 (2004)
52. V. Gaina, C. Gaina
Synthesis and characterization of some new polyimidothioethers with ester groups in the backbone
Polym. Plast. Technol. Eng., 43, 539-553 (2004)
53. M. Grigoras, C. O. Catanescu
Imine oligomers and polymers
J. Macromol. Sci., Polym. Rev., 44C, 131-173 (2004)
54. M. Grigoras, G. Colotin, N. C. Antonoiaia
Synthesis and polymerization of anthracene-based itaconimides
Polym. Int., 53, 1321-1326 (2004)
55. E. Hamciuc, C. Hamciuc, M. Bruma, N. M. Belomoina
Synthesis and characterization of new poly[phenylquinoxaline(ether)imides]
Russian Chem. Bull., 53, 2035-2040 (2004)
56. V. Harabagiu, B. C. Simionescu, M. Pinteala, C. Merrienne, J. Mahuteau, P. Guegan, H. Cheradame

Synthesis and characterization of persilylated cyclodextrins
Carbohydrate Polym., 56, 271-276 (2004)

57. S. P. Hirvonen, V. Aseyev, G. C. Chitanu, H. Tenhu
Aggregation and protein binding of sodium maleate copolymers with varying hydrophobicities
Polym. Adv. Technol., 15, 260-265 (2004)
58. C. Hulubei, V. Cozan
Synthesis and characterization of novel oligomers from the reaction of bismaleimides with diols
High Perform. Polym., 16, 149-158 (2004)
59. C. Hulubei, V. Cozan, M. Bruma
Novel poly(succinimide-ether)s based on the reaction of bismaleimides with azomethine-bisphenols
High Perform. Polym., 16, 405-418 (2004)
60. S. Ioan, I. Cojocaru, D. Macocinschi, D. Filip
Viscometric study of poly(ester urethane) solutions. 3 Influence of chemical structure on the conformational transition
High Perform. Polym., 16, 123-135 (2004)
61. S. Ioan, D. Macocinschi, M. Lupu
Influence of hard segments to specific refractive index increments of segmented poly(ester urethane)s
Polym. Plast. Technol. Eng., 43, 491-502 (2004)
62. C. Iojoiu, T. Hamaide, V. Harabagiu, B. C. Simionescu
Modified poly(ϵ -caprolactone)s and their use for drug-encapsulating nanoparticles
J. Polym. Sci., Part A: Polym. Chem., 42, 689-700 (2004)
63. A. R. Iordan, M. N. Palamaru, A. Cecal, A. F. Popa, C. Ciobanu, M. L. Craus
Photochemical degradation of polymers containing urethane groups in the solid phase. Influence of s block cations on the degradation
Int. J. Polym. Mater., 53, 157-172 (2004)
64. M. D. Iosip, S. Destri, M. Pasini, W. Porzio, K. P. Pernstich, B. Batlogg
New dithieno[3,2-b: 2',3'-d]thiophene oligomers as promising materials for organic field-effect transistor applications
Synth. Met., 146, 251-257 (2004)
65. D. Ivanov, C. Gaina, C. Grigoras
Polymaleamide-polymaleimide networks
J. Appl. Polym. Sci., 91, 779-788 (2004)
66. M. Lungu, M. C. Pascu, G. G. Bumbu, H. Darie, C. Vasile, L. Moldovan
Bioartificial polymer materials based on PVC/natural polymer blends: Binary PVC/hydrolyzed collagen blends
Int. J. Polym. Mater., 53, 525-540 (2004)
67. D. Macocinschi, S. Ioan, M. Lupu, C. Grigoras
Experimental and theoretical aspects of segmented poly(ester urethane)s properties. Conformational transitions in solid state and solutions
Mol. Cryst. Liq. Cryst., 416, 183-190 (2004)
68. N. Melniciuc-Puica, V. Barboiu, S. Filoti, D. O. Dorohoi
Reactivity of some 1(N)-[(para-R₂)-phenacyl]-4(N)-[(para-R₁)-phenyl]-1,2,4-triazolium-methylides by UV-VIS, IR and NMR spectra and molecular modeling
Spectroscopy Lett., 37, 457-467 (2004)
69. G. Mocanu, E. About-Jaudet, D. LeCerf, L. Picton, A. Carpov, G. Muller
Synthesis of chitosan microspheres containing pendant cyclodextrin moieties and their interaction with biological active molecules
Current Drug Delivery, 1, 227-235 (2004)

70. G. Mocanu, D. Mihai, D. LeCerf, L. Picton, G. Muller
Synthesis of new associative gel microspheres from carboxymethyl pullulan and their interactions with lysozyme
Eur. Polym. J., 40, 283-289 (2004)
71. S. Morariu, M. Bercea
Synthesis, characterization and conformational transitions in copolymers of 2-(o-chlorophenyl)-4-methylene-1,3-dioxolane with vinyl monomers
Polym. Int., 53, 1253-1258 (2004)
72. G. Moroi
Influence of ion species on the thermal degradation of polyurethane interaction products with transition metal ions
J. Anal. Appl. Pyrolysis, 71, 485-500 (2004)
73. G. Moroi, D. Bilba, N. Bilba
Thermal degradation of mercury chelated polyacrylamidoxime
Polym. Degrad. Stab., 84, 207-214 (2004)
74. A. E. Muftuoglu, I. Cianga, D. Colak, Y. Yagci
Synthesis of A_2B and A_2B_2 type miktoarm star of copolymers by combination of ATRP or ROP with photoinduced radical polymerization
Des. Monom. Polym., 7, 563-582 (2004)
75. A. E. Muftuoglu, I. Cianga, S. Yurteri, Y. Yagci
Use of N,N-dimethylaniline end-functional polymers in photoinduced block copolymerization
J. Appl. Polym. Sci., 93, 387-394 (2004)
76. F. Mustata, I. Bicu
Synthesis and preliminary characterization of novolak epoxies containing maleimide groups
High Perform. Polym., 16, 419-433 (2004)
77. F. Mustata, I. Bicu
Synthesis and properties of epoxy resins obtained from aniline/o-cresol/formaldehyde resins
J. Polym. Eng., 24, 391-408 (2004)
78. F. Mustata, I. Bicu
Formaldehyde resins bearing diaminodiphenylmethane groups: Synthesis, characterization and properties
Macromol. Mater. Eng., 289, 800-808 (2004)
79. V. Neagu, I. Untea, E. Tudorache, C. Orbeci
Sorption equilibrium of Cr(VI) ions by strong base anion exchangers with pyridine structures
J. Appl. Polym. Sci., 93, 1957-1963 (2004)
80. V. Neagu, I. Bunia
Acrylic weak base anion exchangers and their chemical stability in aggressive media
Polym. Degrad. Stab., 83, 133-138 (2004)
81. M. Nichifor, S. Lopes, M. Bastos, A. Lopes
Self-aggregation of hydrophobically modified cationic polyelectrolytes based on polysaccharides
J. Phys. Chem. B., 108, 16463-16472 (2004)
82. M. Nichifor, M. C. Stanciu, X. X. Zhu
Bile acids covalently bound to polysaccharides. 2. Dextran with pendant cholic acid groups
React. Funct. Polym., 59, 141-148 (2004)
83. L. Olaru, N. Olaru, V. I. Popa
On enzymatic degradation of cellulose acetate
Iran. Polym. J., 13, 235-240 (2004)
84. N. Olaru, L. Olaru
Influence of benzene-containing reaction media on cellulose reactivity in the carboxymethylation

process

Ind. Eng. Chem. Res., 43, 5057-5062 (2004)

85. N. Olaru, L. Olaru
Cellulose acetate deacetylation in benzene/acetic acid/water systems
J. Appl. Polym. Sci., 94, 1965-1968 (2004)
86. M. Pantiru, C. Ilojoiu, T. Hamaide, F. Delolme
Influence of the chemical structure of transfer agents in coordinated anionic ring-opening polymerization: application to one-step functional oligomerization of ϵ -caprolactone
Polym. Int., 53, 506-514 (2004)
87. O. Papila, L. Topare, Y. Yagci, L. Cianga
Conducting copolymers of thiophene-functionalized polystyrene
Int. J. Polym. Anal. Charact., 9, 13-28 (2004)
88. M. Pinteala, V. Epure, V. Harabagiu, B. C. Simionescu, S. Schlick
Concentration- and pH-dependent conformational changes and aggregation of block copolymers of poly(methacrylic acid) and poly(dimethylsiloxane) in aqueous media, based on fluorescence spectra of pyrene and potentiometry
Macromolecules, 37, 4623-4634 (2004)
89. R. M. Piticescu, G. C. Chitanu, M. L. Popescu, W. Lojkowski, A. Opalinska, T. Strachowski
New hydroxyapatite based nanomaterials for potential use in medical field
An. Transplantation, 9(1A), 20-25 (2004)
90. M. C. Popescu, C. Vasile, D. Filip, D. Macocinschi, G. Singurel
Characterization by Fourier transform infrared spectroscopy of polyethylene adipate/cholesteryl palmitate blends
J. Appl. Polym. Sci., 94, 1156-1163 (2004)
91. W. Porzio, S. Destri, M. Pasini, U. Giovanella, T. Motta, M. D. Iosip, D. Natali, M. Sampietro, L. Franco, M. Campione
Organic FET devices: structure-property relationships in evaporated films of three fluorenone derivatives
Synth. Met., 146, 259-263 (2004)
92. C. Racles, A. Ioanid, A. Toth, M. Cazacu, V. Cozan
Morphology and surface properties of side-chain modified polysulfones
Polymer, 45, 4275-4183 (2004)
93. D. Rosu, C. N. Cascaval, C. Ciobanu, L. Rosu
An investigation of the thermal degradation of epoxy maleate of bisphenol A
J. Anal. Appl. Pyrolysis, 71, 191-196 (2004)
94. D. Rosu, A. Mititelu, C. N. Cascaval
Cure kinetics of a liquid-crystalline epoxy resin studied by non-isothermal data
Polym. Testing, 23, 209-215 (2004)
95. C. C. Rusa, T. Uyar, M. Rusa, M. A. Hunt, X. Wang, A. E. Tonelli
An intimate polycarbonate/poly(methyl methacrylate)/poly(vinyl acetate) ternary blend via coalescence from their common inclusion compound with γ -cyclodextrin
J. Polym. Sci., Part B: Polym. Phys., 42, 4182-4194 (2004)
96. M. Rusa, X. Wang, A. E. Tonelli
Fabrication of inclusion compounds with solid host γ -cyclodextrins and water-soluble guest polymers: Inclusion of poly(N-acylethylenimine)s in γ -cyclodextrin channels as monitored by solution $^1\text{H-NMR}$
Macromolecules, 37, 6898-6903 (2004)
97. C. C. Rusa, M. Rusa, M. Gomez, I. D. Shin, J. D. Fox, A. E. Tonelli
Nanostructuring high molecular weight isotactic polyolefins via processing with γ -cyclodextrin inclusion compounds. Formation and characterization of polyolefin- γ -cyclodextrin

inclusion compounds
Macromolecules, 37, 7992-7999 (2004)

98. G. Rusu, E. Rusu
Caprolactam-laurolactam (Nylon 6/12) copolymers: Synthesis and characterization
High Perform. Polym., 16, 569-584 (2004)
99. G. G. Rusu, A. Stanciu, M. Girtan, M. Vasilovschi, G. I. Rusu
On the electronic transport and optical properties of some poly(azomethine urethane)s in thin films
J. Macromol. Sci., Phys., 43B, 1123-1141 (2004)
100. T. Rusu, O. M. Gogean
Application of genetic algorithms to control synthesis of block copolymers PDMS-co-PMAA sequences
Mol. Cryst. Liq. Cryst., 416, 155-164 (2004)
101. L. Sacarescu, R. Ardeleanu, G. Sacarescu, M. Simionescu
Synthesis of new polysilane crown ether
Eur. Polym. J., 40, 57-62 (2004)
102. E. Sahmetlioglu, H. Yuruk, L. Topare, I. Cianga, Y. Yagci
Synthesis and characterization of conducting copolymers of poly(vinyl alcohol) with thiophene side-groups and pyrrole
Polym. Int., 53, 2138-2144 (2004)
103. I. Sava, M. Bruma, I. Ronova
The influence of conformational parameters on some physical properties of polyamides containing pendant acetoxybenzamide groups
High Perform. Polym., 16, 435-446 (2004)
104. I. Sava, M. Bruma, I. Ronova
Conformational parameters and some physical properties of polyamides containing pendant acetoxybenzamide groups
Mol. Cryst. Liq. Cryst., 416, 201-207 (2004)
105. M. Sava
Bismaleimides and biscitraconimides: Synthesis and properties
J. Appl. Polym. Sci., 91, 3806-3812 (2004)
106. G. Savin, W. Burchard, C. Luca, C. Beldie
Global solution properties of poly(N-vinylimidazole) in ethanol. Macromolecules and aggregates
Macromolecules, 37, 6565-6575 (2004)
107. A. Schneider, N. Schuld, M. Bercea, B. A. Wolf
On what terms and why thermodynamic properties of polymer solutions depend on the chain length up to the melt
J. Polym. Sci., Part B: Polym. Phys., 42, 1601-1609 (2004)
108. S. Schwarz, S. Dragan
Nonstoichiometric interpolyelectrolyte complexes as colloidal dispersions based on NaPAMPS and their interaction with colloidal silica particles
Macromol. Symp., 210, 185-192 (2004)
109. E. Scortanu, C. Prisacariu, A. A. Caraculacu
Study of the mechanical properties of dibenzyl-based polyurethane containing a molecularly dispersed UV absorber
High Perform. Polym., 16, 113-121 (2004)
110. S. Simon, G. Mocanu, L. Picton, D. LeCerf, G. Muller
Metastable state of amphiphilic polysaccharide solutions
e-Polymers, Paper No. 38, 1-6 (2004)
111. I. Spiridon, M. N. Belgacem

Enzymatic deinking of laser printed papers
Prog. Paper Recycling, 13(4), 12-15 (2004)

112. *E. Szajdzinska-Pietek, M. Pinteala, S. Schlick*
Monitoring pH-dependent conformational changes in aqueous solutions of poly(methacrylic acid)-b-polydimethylsiloxane copolymer based on fluorescence spectra of pyrene and 1,3-bis(pyrenyl)propane
Polymer, 45, 4113-4120 (2004)
113. *C. Vasile, G. G. Bumbu, R. P. Dumitriu, G. Staikos*
Comparative study of the behavior of carboxymethyl cellulose-g-poly(N-isopropylacrylamide) copolymers and their equivalent physical blends
Eur. Polym. J., 40, 1209-1215 (2004)
114. *C. Vasile, G. G. Bumbu, I. Mylonas, G. Bokias, G. Staikos*
Thermosensitive behavior in aqueous solution of poly(maleic acid-alt-vinyl acetate) grafted with poly(N-isopropylacrylamide)
Polym. Int., 53, 1176-1179 (2004)
115. *S. Vlad*
Hydrolytic stability of some thermoplastic poly(ether urethane-urea)s
High Perform. Polym., 16, 81-88 (2004)
116. *F. Yilmaz, L. Cianga, Y. Guner, L. Toppore, Y. Yagci*
Synthesis and characterization of alternating copolymers of thiophene-containing N-phenyl maleimide and styrene by photoinduced radical polymerization and their use in electropolymerization
Polymer, 45, 5765-5774 (2004)
117. *S. Yurteri, I. Cianga, M. Degirmenci, Y. Yagci*
Synthesis and characterization of poly(p-phenylene)-graft-poly(ϵ -caprolactone) copolymers by combined ring-opening polymerization and cross-coupling processes
Polym. Int., 53, 1219-1225 (2004)
118. *G. Cazacu, V. I. Popa*
Blends and composites based on cellulose materials
Polysaccharides. Structural Diversity and Functional Versatility, 2nd Edition, S. Dimitriu, Ed., Dekker, New York, 1141-1179 (2004)
119. *M. C. Dascalu, C. Silvestre, M. C. Pascu, E. Fekete, C. Vasile*
On the compatibility of low density polyethylene/hydrolyzed collagen blends
Chemical Reactions: Quantitative Level of Liquid and Solid Phase, G. E. Zaikov, A. Jimenez, Eds., Nova Science Publ., New York, 21-47 (2004)
120. *V. Harabagiu, G. Fundueanu, M. Pinteala, M. Constantin, T. Hamaide*
Bioapplication oriented polymers. Micro- and nanoparticles for drug delivery systems
Advances in Experimental Medicine and Biology, 553 (Biomaterials. From Molecules to Engineered Tissues), H. Hasirci, V. Hasirci, Eds., Kluwer Academic/Plenum Publ., New York, 69-82 (2004)
121. *B. C. Simionescu, G. David*
Functional micro- and nanoparticles based on poly[(N-acylimino)ethylene]
Advances in Experimental Medicine and Biology, 553 (Biomaterials. From Molecules to Engineered Tissues), H. Hasirci, V. Hasirci, Eds., Kluwer Academic/Plenum Publ., New York, 1-18 (2004)
122. *I. Spiridon, V. I. Popa*
Hemicelluloses. Structure and properties
Polysaccharides. Structural Diversity and Functional Versatility, 2nd Edition, S. Dumitriu, Ed., M. Dekker, New York, 475-489 (2004)
123. *N. C. Antonoaia, V. M. Mercore, I. Cianga, M. Grigoras*
Synthesis of polyimines by chemical oxidation of some carbazole-based azines
An. Stiint. Univ. "Al. I. Cuza" Iasi, Ser. Chim., 12, 77-82 (2004)

124. R. Bodarlau, C. A. Teaca, *V. I. Popa*
Effects of some industrial wastes on different plant species in hydroponics experiments
Environ. Eng. Manag. J., 3, 11-18 (2004)
125. E. C. Buruiana, M. Olaru, T. Buruiana, B. C. Simionescu
Poly(ester-N-substituted urethane)s with carboxylate groups. Synthesis, characterization and solution properties
Rev. Roum. Chim., 49, 753-759 (2004)
126. C. N. Cascaval, D. Rosu, L. Rosu
Advanced materials based on epoxy resins 1. Vinyl ester resins
Mater. Plast., 41, 173-179 (2004)
127. C. N. Cascaval
Thermal degradation of polyisobutylene studied by pyrolysis-gas chromatography
Rev. Chim., 55, 186-188 (2004)
128. A. P. Chiriac
Kinetic aspects regarding methyl methacrylate polymerization in a high magnetic field
Rom. Rep. Phys., 56, 503-509 (2004)
129. D. Ciolacu, *V. I. Popa*
Studii privind accesibilitatea diferitelor forme alomorfe ale celulozei
Cel. Hartie, 53(4), 9-16 (2004)
130. E. Cidu, G. C. Chitanu, A. Grigoriu, A. Anghelescu-Dogaru
Interaction of maleic acid copolymers with cationic dyes in aqueous solution 1. Metachromatic interaction of a hydrophilic copolymer studied by the UV-VIS absorption spectroscopy
Bul. Inst. Pol. Iasi, Text. Pielarie, 50(1/2), 81-89 (2004)
131. G. Colotin, M. Grigoras, C. I. Simionescu
Diels-Alder polycycloadducts obtained from new bis-benzopyrones and bis-maleimides
An. Stiint. Univ. "Al. I. Cuza" Iasi, Ser. Chim., 12, 71-76 (2004)
132. G. Colotin, M. Grigoras, C. I. Simionescu
Polymers by Diels-Alder cycloaddition of bisbenzopyrones and bismaleimides
Rev. Roum. Chim., 49, 617-623 (2004)
133. G. Constantinescu, *V. I. Popa, N. Popa, N. Lazar*
Composites from recycled wood and plastics
Environ. Eng. Manag. J., 3, 405-414 (2004)
134. D. Cotzur, *I. I. Bara*
The expression pattern of two carbonic anhydrase genes in different organs of *Lotus japonicus* L.
An. Stiint. Univ. "Al. I. Cuza" Iasi, Ser. Genetica Biologie Moleculara, 5, 93-96 (2004)
135. V. Dulman, M. Ungureanu, G. Nemtoi, *V. I. Popa*
The electrochemical behaviour of ammonium lignosulphonate solutions degraded with $S_2O_8^{2-}/Ag^+$ and Fenton oxidative systems
Cell. Chem. Technol., 38, 353-362 (2004)
136. A. I. Ecsner, M. Popa, R. Muresan, G. Ioanid, A. Ioanid, A. Muresan
Cercetari privind hidrofobizarea unor materiale textile prin grefare cu stiren in plasma rece
An. Univ. "Aurel Vlaicu" Arad, Ser. Textile, Fasc. Tehnologii Textile, 29-33 (2004)
137. A. I. Ecsner, M. Popa, R. Muresan, A. Muresan, G. Ioanid, A. Ioanid
Tratarea in plasma rece a unor materiale textile in vederea cresterii hidrofiliei
An. Univ. "Aurel Vlaicu" Arad, Ser. Textile, Fasc. Tehnologii Textile, 34-39 (2004)
138. F. Filipov, G. C. Chitanu, O. Tomita, D. Suflet, I. Popescu
Ameliorarea unor insusiri chimice ale substraturilor nutritive prin tratarea cu polielectroliti carboxilici
Lucr. Stiint. Univ. Stiinte Agr. Med. Veter. "Ion Ionescu de la Brad" Iasi, Ser. Agron., 47, 262-266 (2004)

139. *F. Filipov, O. Tomita, G. C. Chitanu, I. Popescu, D. Suflet*
Efектul copolimerilor maleici asupra capacitatii de tamponare a componentelor horticole
Stiinta Solului, 38, 175-184 (2004)
140. *C. Gaina, V. Gaina, M. Sava*
Acidul 4-maleimidobenzoic precursor in sinteze de poliimide
Mater. Plast., 41, 87-94 (2004)
141. *V. Gaina, C. Gaina*
Noi materiale cu retele semi-interpenetrante pe baza de poliuretan si
bismaleimide/poliaminobismaleimide
Mater. Plast., 41, 16-19 (2004)
142. *V. Gaina, C. Gaina*
Dehidroclorurarea α -clorosuccinimidelor, o noua metoda de sinteza a maleinimidelor de inalta
puritate
Mater. Plast., 41, 169-172 (2004)
143. *D. Ganju, D. Bontea, D. Humelnicu, G. Singurelu*
Compsi coordinativi imobilizati pe suporturi celulozice
Mater. Plast., 41, 250-251 (2004)
144. *V. Hamciuc, L. Pricop, M. Marcu, S. Vlad, D. S. Pricop*
Siloxane triblock copolymers containing polyethyleneoxide
Rev. Roum. Chim., 49, 77-83 (2004)
145. *L. G. Hanu, A. M. Hanu, E. Popovici, G. Burtica, D. Timpu*
Nanosiliceous matrix for drug encapsulation
Rom. J. Phys., 49, 817-822 (2004)
146. *C. Hulubei*
Polisucciimidoeteri reticulabili
Mater. Plast., 41, 207-210 (2004)
147. *C. Hulubei, C. D. Vlad*
Functional polymers based on salicylic acid derivatives
Bul. Inst. Pol. Iasi, Chim. Ing. Chim., 50(1/2), 69-75 (2004)
148. *C. Hulubei*
Preparation and characterization of bismaleimide-diphenol prepolymers
Bul. Inst. Pol. Iasi, Chim. Ing. Chim., 50(3/4), 33-39 (2004)
149. *N. Hurduc, M. Prajinaru, A. Creanga, N. Hurduc, S. Alazaroaie*
Studiul cinetic neizoterm al proceselor de degradare termica a unor cristale lichide azo-polieterice
Mater. Plast., 41, 41-44 (2004)
150. *L. Marin, V. Cozan*
Liquid crystalline azomethines. The effect of sulfonyl group on the liquid crystalline properties
An. Stiint. Univ. "Al. I. Cuza" Iasi, Ser. Chim., 12, 65-70 (2004)
151. *L. Marin, M. Bruma*
Aplicatii ale polimerilor cu proprietati de cristale lichide termotrope
Mater. Plast., 41, 240-244 (2004)
152. *V. M. Mercore, I. Cianga, M. Grigoras, Y. Yagci*
Synthesis of comb-like polyarylenes by oxidative polymerization of a well-defined polystyrene
macromer with naphthalene moieties
Rev. Roum. Chim., 49, 607-616 (2004)
153. *F. Mustata, I. Bicu*
Rasini formaldehidice cu DADB in structura modificate cu acizi rezinici, agenti de adezivitate pentru
compozitii adezive sensibile la presiune

- Mater. Plast., 41, 211-214 (2004)
154. L. E. Nita, A. P. Chiriac
Obtinerea unor biomateriale pe baza de compusi vinilici si proteine
Mater. Plast., 41, 109-114 (2004)
155. L. E. Nita, A. P. Chiriac
Biostructures based on macromolecular compounds and a protein
Rom. J. Phys., 49, 849-856 (2004)
156. S. Oancea, M. Irimia, G. Carja, A. Airinei, N. Aelenei
Herbicidal behaviour of a new N,N'-biquaternary salt of 4,4'-bipyridine
Environ. Eng. Manag. J., 3, 721-726 (2004)
157. L. Olaru, V. I. Popa, N. Olaru
Kinetic study of rapid step CMC enzymatic hydrolysis
Cell. Chem. Technol., 39, 165-173 (2004)
158. M. Olaru, E. C. Buruiana, B. C. Simionescu
Biomedical activity of polyurethanes
Mem. Sect. Stiint., Acad. Rom., Ser. IV, 27, 19-32 (2004)
159. N. Olaru, L. Olaru
Structural modification of cellulose on molecular and supermolecular levels during alkalization and carboxymethylation in benzene-containing systems
An. West Univ. Timisoara, 13, 107-114 (2004)
160. M. Popa, C. L. Dumitriu, S. Vasiliu
A diffusional polymer-drug system: chloramphenicol included in interpenetrated network-type hydrogels based on gellan and poly(vinyl alcohol)
Cell. Chem. Technol., 38, 363-374 (2004)
161. G. Rusu
Polimerizarea anionica a ϵ -caprolactamei in prezenta activatorilor mono- si difunctionali
Mater. Plast., 41, 20-25 (2004)
162. I. Sava
Aromatic polyamides containing acetoxybenzamide pendent groups
Bull. Inst. Pol. Iasi, Chim. Ing. Chim., 50(1/2), 77-86 (2004)
163. I. Sava, M. Bruma
New polyamide-esters containing benzonitrile or isopropylidene units in the main chain
Rev. Roum. Chim., 49, 69-76 (2004)
164. I. Sava, M. D. Iosip, M. Bruma
Poly(1,3,4-oxadiazole-esters-amide)s
Rev. Roum. Chim., 49, 515-523 (2004)
165. I. Sava, N. Belomoina, M. Bruma
Aromatic poly(phenylquinoxaline-amide)s containing pendant benzamide groups
Rev. Roum. Chim., 49, 695-703 (2004)
166. M. Sava, C. Gaina, V. Gaina, F. Tanasa, M. Zanoaga, C. Chiriac
Synthesis of some bismaleimide monomers and their corresponding polyaminobismaleimides (via prepolymer) for radiative applications
Mater. Plast., 41, 258-261 (2004)
167. I. Spiridon, A. P. Duarte
Some preliminary data on the enzymatic hydrolysis of Pinus pinaster kraft pulp
Cell. Chem. Technol., 38, 59-65 (2004)
168. M. C. Stanciu, T. Nicolaescu
New derivatives obtained from 3-acetylcoumarin and 3-acetyl-7-hydroxycoumarin

An. Stiint. Univ. "Al. I. Cuza" Iasi, Ser. Chim., 12, 11-16 (2004)

169. C. A. Teaca, I. Spiridon, R. Bodirlau
New perspectives for the improvement of wood quality and products
Mem. Sect. Stiint., Acad. Rom., Ser. IV, 27, 103-122 (2004)
170. N. Tudorachi
Studiu de biodegradare a unor materiale compozite cu matrici termoplastice si materiale lignocelulozice
Mater. Plast., 41, 245-249 (2004)
171. N. Tudorachi, R. Lipsa
Sinteza si caracterizarea unor copolimeri pe baza de polietilenglicol sau alcool polivinilic cu acid lactic
Mater. Plast., 41, 99-104 (2004)
172. I. Untea, C. Orbeci, E. Tudorache, V. Neagu
Cr(VI) retention capacity and selectivity of some strong and weak base anion exchangers
Environ. Eng. Manag. J., 3, 221-230 (2004)
173. I. Untea, C. Orbeci, E. Tudorache, D. Turtoi, V. Neagu
Evaluarea parametrilor caracteristici la retinerea Cr(VI) din solutii apoase prin schimb ionic in conditii dinamice pe anioniti puternic bazici
Rev. Chim., 55, 439-443 (2004)
174. C. D. Vlad, C. Hulubei
Nonlinear polymer architectures
An. Stiint. Univ. "Al. I. Cuza" Iasi, Ser. Chim., 12, 83-86 (2004)
175. C. D. Vlad, C. Hulubei
Copolimeri reticulati obtinuti prin metoda polimerizarii template
Mater. Plast., 41, 140-142 (2004)
176. S. Vlad, C. Ciobanu
Dielectric behaviour of some unsaturated polyurethanes
Mater. Plast., 41, 149-152 (2004)
177. N. Voiculescu
Sinteza directa a organohalogensilanilor. Perioada de inductie si mecanismul radicalic
Rev. Chim., 55, 249-252 (2004)
178. C. V. Zanoaga, C. Oana, M. Zanoaga
Apa tisulara vegetala. Proprietati bioactive si preparare
Lucr. Stiint. Univ. Stiinte Agr. Med. Veter. "Ion Ionescu de la Brad" Iasi, Ser. Hortic., 47, 1077-1082 (2004)
179. M. Zanoaga, Y. Mamunya, F. Tanasa, V. Myshak, R. Darie, E. Lebedev
A modern approach in wood waste management: composites based on a novel copolyamide as matrix
Environ. Eng. Manag. J., 3, 415-424 (2004)
180. M. Zanoaga, C. V. Zanoaga
Consideratii asupra dinamicii caracteristicilor redox ale solului. II
Lucr. Stiint. Univ. Stiinte Agr. Med. Veter. "Ion Ionescu de la Brad" Iasi, Ser. Hortic., 47, 1083-1086 (2004)
181. F. G. Filip, B. C. Simionescu, Coordonatori
Fenomene si procese cu risc major la scara nationala
Ed. Academiei Romane, Bucuresti, 2004, 427 p