

Lista lucrari 2011

1. Optical properties of some new azo photoisomerizable bismaleimide derivatives
A. Airinei, N. Fifere, M. Homocianu, C. Gaina, V. Gaina, B. C. Simionescu
International Journal of Molecular Sciences, 12, 6176-6193 (2011)
2. Miscibility and morphological properties of quaternized polysulfone blends with polystyrene and poly(4-vinylpyridine)
R. M. Albu, E. Avram, I. Stoica, E. G. Ioanid, S. Ioan
Polymer Composites, 32, 1661-1670 (2011)
3. Opto-electrical properties of some quaternized polysulfones
R. M. Albu, E. Avram, V. E. Musteata, M. Homocianu, S. Ioan
High Performance Polymers, 23, 85-96 (2011)
4. Surface properties and compatibility with blood of new quaternized polysulfones
R. M. Albu, E. Avram, I. Stoica, E. G. Ioanid, D. Popovici, S. Ioan
Journal of Biomaterials and Nanobiotechnology, 2, 114-123 (2011)
5. Amphiphile polydimethylsiloxane-based networks reinforced with in situ generated silica
M. Alexandru, M. Cazacu, C. Racles, C. Grigoras
Polymer Engineering and Science, 51, 78-86
6. On the morphology and potential application of polydimethylsiloxane-silica-titania composites
M. Alexandru, M. Cazacu, F. Doroftei, M. Ignat, D. Timpu, C. V. Grigoras, B. C. Simionescu
eXPRESS Polymer Letters, 5, 188-196 (2011)
7. Poly(siloxane-urethane) crosslinked structures obtained by sol-gel technique
M. Alexandru, M. Cazacu, M. Cristea, A. Nistor, C. Grigoras, B. C. Simionescu
Journal of Polymer Science, Part A: Polymer Chemistry, 49, 1708-1718 (2011)
8. Polydimethylsiloxanes crosslinked by 4,4'-(1,3-phenylenedioxy)-dianiline within in situ generated silica network
M. Alexandru, M. Cazacu, A. Vlad, A. M. Macsim, G. Hitruc, D. Ionita
Polymer Plastics Technology and Engineering, 50, 539-546 (2011)
9. Polysiloxanes modified with aromatic diamines interconnecting with silica network
M. Alexandru, C. Racles, M. Cazacu, A. Nistor, A. M. Macsim
Journal of Composite Materials, 45, 621-630 (2011)
10. Platelet activation in hypertension associated with hypercholesterolemia: effects of irbesartan
N. Alexandru, D. Popov, E. Dragan, E. Andrei, A. Georgescu
Journal of Thrombosis and Haemostasis, 9, 173-184 (2011)
11. Platelet reactivity in chronic venous insufficiency
N. Alexandru, A. Georgescu, M. Amuzescu, C. Zamfir, A. Badila, D. Popov
Clinical Laboratory, 57, 527-534 (2011)
12. Rheological investigation of prunus Sp. gums in aqueous medium
G. Amarioarei, I. Spiridon, M. Lungu, M. Bercea
Industrial and Engineering Chemistry Research, 50, 14148-14154 (2011)
13. Synthesis, electronic structures, and EPR/UV-VIS-NIR spectroelectrochemistry of nickel(II), copper(II) and zinc(II) complexes with a tetradentate ligand based on S-methylisothiosemicarbazide
V. B. Arion, P. Rapta, J. Telsler, S. S. Shova, M. Breza, K. Luspai, J. Kozisek
Inorganic Chemistry, 50, 2918-2931 (2011)
14. Carbohydrates electrocatalytic oxidation using CNT-NiCo-oxide modified electrodes
A. Arvinte, A. M. Sesay, V. Virtanen
Talanta, 84, 180-186
15. Electrochemical oxidation of p-nitrophenol using graphene-modified electrodes, and a comparison to the performance of
A. Arvinte, M. Mahosenaho, M. Pinteala, A. M. Sesay, V.
Microchimica Acta, 174, 337-343 (2011)

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|---|--|--|
| MWNT-based electrodes | Virtanen | |
| 16. ATR-FTIR spectroscopic studies of thermally induced conformational changes of PNIPAAm copolymers in solution | M. Avadanei, G. Fundueanu | Proceedings SPIE, 8001(International Conference on Applications of Optics and Photonics), 80013I/1-8 (2011) |
| 17. Ordering tendency in ternary solutions of pyridazinium ylids evidenced by electron spectroscopy | M. Avadanei, D. O. Dorohoi, N. Puica-Melnicu | Proceedings SPIE, 8001(International Conference on Applications of Optics and Photonics), 80012D/1-8 (2011) |
| 18. Photoreactions of benzophenone in solid media: Recent developments and applications | M. Avadanei | Photochemistry: UV/VIS Spectroscopy, Photochemical Reactions and Photosynthesis, K. J. Mayes, J. M. Willems, Eds., Nova Science Publishers, New York, 105-140 (2011) |
| 19. Variable-angle ATR-FTIR studies of depth distribution of amidation in surface modified poly(ethylene terephthalate) | M. Avadanei | Proceedings SPIE, 8001(International Conference on Applications of Optics and Photonics), 80012T/1-8 (2011) |
| 20. Magnetic submicron powder preparation and characterization | C. Axinte, C. Nadejde, M. Ursache, A. Airinei, A. Cirlescu, M. Racuciu, D. Creanga | Materials Science Forum, 672(Researches in Powder Metallurgy), 281-285 (2011) |
| 21. Poly(amide imide)s containing functional nitrile groups for high performance materials | I. Bacosca, E. Hamciuc, M. Bruma, M. Ignat | Reactive and Functional Polymers, 71, 905-915 (2011) |
| 22. Chemical reactions of benzophenone irradiated in 1,2-polybutadiene | V. Barboiu, M. I. Avadanei | Journal of Photochemistry and Photobiology A: Chemistry, 222, 170-179 (2011) |
| 23. A combined theoretical and experimental study of mechanisms of fragmentation active for PHB oligomers in negative-ion mode multistage mass spectrometry | H. Bednarski, K. Sohlberg, M. Domanski, J. Weszka, G. Adamus, M. Kowalczyk, V. Cozan | International Journal of Mass Spectrometry, 304, 15-24 (2011) |
| 24. Studies of optical properties of protonated polyazomethine thin films | H. Bednarski, J. Weszka, M. Domanski, V. Cozan | Acta Physica Polonica A, 120, 939-941 (2011) |
| 25. Progress in the field of conducting polymers for tissue engineering applications | A. D. Bendrea, L. Cianga, I. Cianga | Journal of Biomaterials Applications, 26, 3-84 (2011) |
| 26. Dextran-based polycations: Thermodynamic interaction with water as compared with unsubstituted dextran, 2. Flory-Huggins interaction parameter | M. Bercea, M. Nichifor, J. Eckelt, B. A. Wolf | Macromolecular Chemistry and Physics, 212, 1932-1940 (2011) |
| 27. Temperature responsive gels based on Pluronic F127 and poly(vinyl alcohol) | M. Bercea, R. N. Darie, L. E. Nita, S. Morariu | Industrial & Engineering Chemistry Research, 50, 4199-4206 (2011) |
| 28. Cellulose extraction from orange peel | I. Bicu, F. Mustata | Bioresource Technology, |

- using sulfite digestion reagents
29. Preparation and characterization of biocompatible Nb-C coatings M. Braic, V. Braic, M. Balaceanu, A. Vladescu, C. N. Zoita, I. Titorencu, V. Jinga, F. Miculescu 102, 10013-10019 (2011)
Thin Solid Films, 519, 4064-4068 (2011)
 30. Thermal degradation of keratin waste M. Brebu, I. Spiridon Journal of Analytical and Applied Pyrolysis, 91, 288-295 (2011)
 31. Design of silica microparticles with oligopeptide brushes and their interaction with proteins F. Bucatariu, F. Simon, G. Fundueanu, E. S. Dragan Colloid & Polymer Science, 289, 33-41 (2011)
 32. Single polyelectrolyte multilayers deposited onto silica microparticles and silicon wafers F. Bucatariu, G. Fundueanu, G. Hitruc, E. S. Dragan Colloids and Surfaces A: Physicochemical and Engineering Aspects, 380, 111-118 (2011)
 33. Synthesis and properties of fluorescent hybrid nanocomposites based on copolyacrylates with dansyl semicarbazide E. C. Buruiana, A. L. Chibac, T. Buruiana, V. Musteata Journal of Luminescence, 131, 1492-1501 (2011)
 34. Synthesis and properties of photosensitive poly(urethane-acrylate) containing anil groups with application in the chemosensors area E. C. Buruiana, F. Jitaru, G. Hitruc, T. Buruiana Polymer Engineering and Science, 51, 884-893 (2011)
 35. Design and development of novel urethane dimethacrylate monomers for use in dental compositions T. Buruiana, V. Melinte, E. C. Buruiana Dental Composites, F. C. Calhoun, Ed., Nova Science Publishers, New York, 2010, 47-84 (2011)
 36. Synthesis and properties of liquid crystalline urethane methacrylates for dental composite applications T. Buruiana, V. Melinte, G. Costin, E. C. Buruiana Journal of Polymer Science, Part A: Polymer Chemistry, 49, 2615-2626 (2011)
 37. Swelling and electrokinetic properties of unbleached/bleached softwood kraft cellulose fibers G. Cazacu, A. Sdrobis, M. Pintilie, D. Rosu, D. Ciolacu, M. Totolin, C. Vasile COST Action E54, Fine Structure of Papermaking Fibres: "Characterization of the fine structure and properties of papermaking fibres using new technologies", P. Ander, W. Bauer, S. Heinemann, P. Kallio, R. Passas, A. Treimanis, Eds., COST Office Brussels, Belgium, 267-281 (2011)
 38. New imides based on perylene and siloxane derivatives M. Cazacu, A. Vlad, A. Airinei, A. Nicolescu, I. Stoica Dyes and Pigments, 90, 106-113 (2011)
 39. A study on the composites based on poly(succinimide)-b-poly(ethylene glycol) and ferrite and their magnetic response A. P. Chiriac, I. Neamtu, L. E. Nita, M. T. Nistor Composites Part B: Engineering, 42, 1525-1531 (2011)
 40. Copolymerization of 2-hydroxyethyl methacrylate with a comonomer with spiroacetal moiety A. P. Chiriac, L. E. Nita, M. T. Nistor Journal of Polymer Science, Part A: Polymer Chemistry, 49, 1543-1551 (2011)
 41. Nano-network with dual temperature and pH responsiveness based on copolymers A. P. Chiriac, L. E. Nita, M. T. Nistor Journal of Nanoparticle Research, 13, 6953-6962

- of 2-hydroxyethyl methacrylate with 3,9-divinyl-2,4,8,10-tetraoxaspiro[5,5]-undecane (2011)
42. Sol-gel based materials for biomedical applications A. P. Chiriac, I. Neamtu, L. E. Nita, M. T. Nistor The Sol - Gel Process: Uniformity, Polymers and Applications, R. E. Morris, Ed., Nova Science Publishers, New York, 135-200 (2011)
43. Sol-gel technique applied for biomaterials achievement A. P. Chiriac, L. E. Nita, I. Neamtu, M. T. Nistor Recent Patents on Materials Science, 4, 224-237 (2011)
44. Dielectric behavior of some aromatic polyimide films S. Chisca, V. E. Musteata, I. Sava, M. Bruma European Polymer Journal, 47, 1186-1197 (2011)
45. Synthesis of C6 and C7 functionalized drimanes from larixol and sclareol A. Ciocarlan, P. F. Vlad, M. Coltsa, C. Edu, A. Biriic, A. Nicolescu, C. Deleanu Chemistry Journal of Moldova, 6, 13-15 (2011)
46. Enzymatic hydrolysis of different allomorphic forms of microcrystalline cellulose D. Ciolacu, S. Gorgieva, D. Timpu, V. Kokol Cellulose, 18, 1527-1541 (2011)
47. Evaluation of crosslinked chitosan hydrogels as carriers for prolonged delivery of some novel nitric oxide donor compounds based on theophylline and paracetamol A. Cojocariu, L. Profire, C. Cheaburu, A. M. Oprea, C. Vasile e-Polymers, Paper No. 030, 1-18 (2011)
48. Study on cellulose/chondroitin sulfate hydrogel used in drug release systems C. G. Coman, M. A. Maccsim, A. M. Oprea, L. Hurjui, T. Petreus, A. Neamtu IFMBE Proceedings, 36 (International Conference on Advancements of Medicine and Health Care through Technology, 29th Aug.-2nd Sept. 2011, Cluj-Napoca, Romania), 348-351 (2011)
49. Lower critical solution temperature versus volume phase transition temperature in thermoresponsive drug delivery systems M. Constantin, M. Cristea, P. Ascenzi, G. Fundueanu eXPRESS Polymer Letters, 5, 839-848
50. Studies on graft copolymerization of 3-acrylamidopropyl trimethylammonium chloride on pullulan M. Constantin, I. Mihalcea, I. Oanea, V. Harabagiu, G. Fundueanu Carbohydrate Polymers, 84, 926-932 (2011)
51. A new approach for patterning epichlorohydrin-based polyimide precursors films using lyotropic liquid crystal template A. I. Cosutchi, C. Hulubei, I. Stoica, S. Ioan Journal of Polymer Research, 18, 2389-2402 (2011)
52. Chain packing versus chain mobility in semialiphatic BTDA-based copolyimides M. Cristea, D. Ionita, C. Hulubei, D. Timpu, D. Popovici, B. C. Simionescu Polymer, 52, 1820-1828 (2011)
53. Blue fluorescent polyamides containing naphthalene and oxadiazole rings M. D. Damaceanu, R. D. Rusu, A. Nicolescu, M. Bruma Journal of Polymer Science, Part A: Polymer Chemistry, 49, 893-906 (2011)
54. Dielectric behavior of thin films made from poly(oxadiazole-naphthylimide)s M. D. Damaceanu, R. D. Rusu, V. E. Musteata, M. Soft Materials, 9, 44-63 (2011)

55. New thermally stable and organosoluble heterocyclic poly(naphthaleneimide)s
 Bruma
 M. D. Damaceanu, R. D. Rusu, M. Bruma, A. L. Rusanov
 Polymers for Advanced Technologies, 22, 420-429 (2011)
56. Organosoluble asymmetric aromatic polyamides bearing pendent phenoxy groups
 M. D. Damaceanu, R. D. Rusu, A. Nicolescu, M. Bruma, A. L. Rusanov
 Polymer International, 60, 1248-1258 (2011)
57. UV irradiation influence on the structural and optical properties of CdO thin films
 C. Dantus, D. Timpu, D. Luca, F. Iacomi
 European Physical Journal - Applied Physics, 55, 10301/1-6
 High Performance Polymers, 23, 74-84 (2011)
58. Effect of montmorillonite content in nanocomposites of segmented polyurethanes with poly(2-alkyl-2-oxazoline) sequences
 G. David, B. C. Simionescu, S. Ibanescu, F. Vearba
 IEEE Transactions on Plasma Science, 39(11, Part 1), 2316-2317 (2011)
59. Experimental and modeling results on multiple double layers in low-temperature discharge plasma
 D. G. Dimitriu, M. Aflori, L. M. Ivan, M. Agop
 Reactive and Functional Polymers, 71, 881-890 (2011)
60. Composite IPN ionic hydrogels based on polyacrylamide and dextran sulfate
 M. V. Dinu, M. M. Perju, E. S. Dragan
 Macromolecular Chemistry and Physics, 212, 240-251 (2011)
61. Porous semi-interpenetrating hydrogel networks based on dextran and polyacrylamide with superfast responsiveness
 M. V. Dinu, M. M. Perju, E. S. Dragan
 Colloids and Surfaces A: Physicochemical and Engineering Aspects, 381, 106-110 (2011)
62. XPS study of the ion-exchange capacity of native and surface oxidized viscose fibers
 M. Dobromir, G. Biliuta, D. Luca, M. Aflori, V. Harabagiu, S. Coseri
 Macromolecular Research, 19, 1062-1070 (2011)
63. Composite multilayer thin film morphology and their interactions with protons as a function of polyanion structure
 E. S. Dragan, M. Mihai, G. Hitruc, D. Paneva, N. Manolova, I. Rashkov
 Ion Exchange and Solvent Extraction, A Series of Advances, A. K. Sengupta, Ed., CRC Press, Boca Raton, USA, vol. 20, 233-291 (2011)
64. Separations by multicomponent ionic systems based on natural and synthetic polycations
 E. S. Dragan, M. V. Dinu, M. Mihai
 European Polymer Journal, 47, 1065-1072 (2011)
65. Solution behavior of progressively quaternized poly(dimethylaminoethyl methacrylate) as a function of charge density
 E. S. Dragan, I. A. Dinu
 Chemical Engineering Journal, 178, 252-263 (2011)
66. Synthesis and swelling behavior of pH-sensitive semi-interpenetrating polymer composite hydrogels based on native and modified potatoes starch as potential sorbent for cationic dyes
 E. S. Dragan, D. F. Apopei
 Biochimica et Biophysica Acta (BBA) - Molecular Cell Research, 1813, 2026-2035 (2011)
67. Cross talk between smooth muscle cells and monocytes/activated monocytes via CX3CL1/CX3CR1 axis augments expression of pro-atherogenic molecules
 E. Dragomir Butoi, A. M. Gan, I. Manduteanu, D. Stan, M. Calin, M. Pirvulescu, R. R. Koenen, C. Weber, M. Simionescu
 Letters in Organic Chemistry, 8, 315-319 (2011)
68. Saccharin reaction with cyanide
 G. Drochioiu, C. Deleanu, E. Rusu, I. Mangalagiu
 Journal of Environmental Science and Health, Part
69. Decolorization of ammonium lignosulfonate with H₂O₂/Cu(II)
 V. Dulman, M. E. Ignat, I. Bunia

- heterogeneous catalyst
- A - Toxic Substances & Environmental Engineering, 46, 1366-1375 (2011)
70. Multi-responsive hydrogels based on N-isopropylacrylamide and sodium alginate R. P. Dumitriu, G. R. Mitchell, C. Vasile Polymer International, 60, 222-233 (2011)
71. Rheological and thermal behaviour of poly(N-isopropylacrylamide)/alginate smart polymeric networks R. P. Dumitriu, G. R. Mitchell, C. Vasile Polymer International, 60, 1398-1407 (2011)
72. Effect of rotaxane formation on the photophysical, morphological and adhesion properties of poly[2,7-(9,9-dioctylfluorene)-alt-(5,5'-bithiophene)] main chain polyrotaxanes A. Farcas, I. Ghosh, V. C. Grigoras, I. Stoica, C. Peptu, W. M. Nau Macromolecular Chemistry and Physics, 212, 1022-1031 (2011)
73. Surface properties on conjugated main-chain polyrotaxanes A. Farcas, I. Stoica, A. Stefanache, C. Peptu, F. Farcas, N. Marangoci, L. Sacarescu, V. Harabagiu, P. Guegan Chemical Physics Letters, 508, 111-116 (2011)
74. Thermal analysis and theoretical study of -cyclodextrin azomethine [2]-rotaxane formation by semiempirical method PM3 A. Farcas, A. Fifere, I. Stoica, F. Farcas, A. M. Resmerita Chemical Physics Letters, 514, 74-78 (2011)
75. Tyrphostin AG490 reduces NADPH oxidase activity and expression in the aorta of hypercholesterolemic apolipoprotein E-deficient mice I. M. Fenyo, I. C. Florea, M. Raicu, A. Manea Vascular Pharmacology, 54, 100-106 (2011)
76. Thermogravimetric study for polyurethane materials for biomedical applications D. Filip. D. Macocinschi, S. Vlad Composites Part B: Engineering, 42, 1474-1479 (2011)
77. Site-specific drug delivery to the gastrointestinal tract G. Fundueanu, M. Constantin Medical Applications of Polymers, M. Popa, R. Ottenbrite, C. V. Uglea, Eds., American Scientific Publishers, Stevenson Ranch, CA, vol. 2, 200-231 (2011)
78. NSGA-II-RJG applied to multiobjective optimization of polymeric nanoparticles synthesis with silicone surfactants R. Furtuna, S. Curteanu, C. Racles Central European Journal of Chemistry, 9, 1080-1095 (2011)
79. Optimization methodology applied to feed-forward artificial neural network parameters R. Furtuna, S. Curteanu, M. Cazacu International Journal of Quantum Chemistry, 111, 539-553 (2011)
80. Chemical modification of chloromethylated polysulfones via click reactions C. Gaina, V. Gaina, D. Ionita Polymer International, 60, 296-303 (2011)
81. Re-mendable polyurethanes C. Gaina, O. Ursache, V. Gaina Polymer Plastics Technology and Engineering, 50, 712-718 (2011)
82. Synthesis and characterization of functional polymers with conjugate chains V. Gaina, C. Gaina Designed Monomers and Polymers, 14, 57-68 (2011)
83. Dysfunction of human subcutaneous fat arterioles in obesity alone or obesity associated with Type 2 diabetes A. Georgescu, D. Popov, A. Constantin, M. Nemezc, N. Alexandru, D. Cochior, A. Tudor Clinical Science, 129, 463-472 (2011)
84. Enoxaparin reduces adrenergic A. Georgescu, N. Blood Coagulation &

- contraction of resistance arterioles in aging and in aging associated with diabetes via engagement of MAP kinase pathway
85. Ongoing data on vascular endothelial cell dysfunction: An update
86. The promise of EPC-based therapies on vascular dysfunction in diabetes
87. Vascular dysfunction in diabetes: The endothelial progenitor cells as new therapeutic strategy
88. Experimental and modeling studies of lead (II) sorption onto a polyvinyl-chloride inclusion membrane
89. Novel thermosensitive flocculating agent based on pullulan
90. Transport properties of some cationic polysaccharides: 2. Charge density effect
91. Nanoscale cooperativity on a series of statistical methacrylates copolymers with electron donor-acceptor pendant groups
92. Imine macrocyclics: Building blocks in polymer synthesis
93. Phosphorus-containing poly(esterimide)-polydimethylsiloxane copolymers
94. Silica/polyimide-polydimethylsiloxane hybrid films. Thermal and electrical properties
95. Silica-containing fluorinated poly(amide-imide) hybrid films
96. Thermal and optical properties of some phosphorus-containing poly(1,3,4-oxadiazole-ester-imide)s
97. Polymer hybrid films based on silica and a poly(ether imide) containing phthalide groups
98. Thermal and electrical properties of nitrile-containing polyimide/BaTiO₃ composite films
99. Surface-initiated polymerisation for
- Alexandru, M. Nemezc, I. Titorencu, D. Popov
- A. Georgescu, N. Alexandru, D. Popov
- A. Georgescu, N. Alexandru, A. Constantinescu, I. Titorencu, D. Popov
- A. Georgescu
- C. V. Gherasim, G. Bourceanu, D. Timpu
- L. Ghimici, M. Constantin
- L. Ghimici, M. Nichifor
- C. V. Grigoras, A. G. Grigoras
- M. Grigoras, L. Vacareanu
- C. Hamciuc, E. Hamciuc, D. Serbezeanu, T. Vlad-Bubulac, M. Cazacu
- C. Hamciuc, E. Hamciuc, L. Okrasa
- C. Hamciuc, I. D. Carja, E. Hamciuc, T. Vlad-Bubulac, V. E. Musteata
- C. Hamciuc, E. Hamciuc, D. Serbezeanu, T. Vlad-Bubulac
- E. Hamciuc, C. Hamciuc, I. Bacosca, L. Okrasa
- E. Hamciuc, C. Hamciuc, I. Bacosca, M. Cristea, L. Okrasa
- V. Harabagiu, L.
- Fibrinolysis, 22, 310-316 (2011)
- From Vascular Cell Biology to Cardiovascular Medicine, A. Georgescu, F. Antohe, Eds., Transworld Research Network, Trivandrum, India, 125-142 (2011)
- European Journal of Pharmacology, 689, 1-6 (2011)
- World Journal of Diabetes, 216, 92-97 (2011)
- Chemical Engineering Journal, 172, 817-827 (2011)
- Journal of Hazardous Materials, 192, 1009-1016 (2011)
- Journal of Colloid and Interface Science, 302, 589-596 (2011)
- Journal of Thermal Analysis and Calorimetry, 103, 661-668 (2011)
- Macrocyclic Chemistry: New Research Developments, D. W. Fitzpatrick, H. J. Ulrich, Eds., Nova Science Publishers, New York, 393-415 (2011)
- Polymer International, 60, 312-321 (2011)
- Macromolecular Research, 19, 250-260 (2011)
- High Performance Polymers, 23, 362-373 (2011)
- Polymers for Advanced Technologies, 22, 2458-2468 (2011)
- Polymer Engineering and Science, 51, 2304-2313 (2011)
- Polymer Composites, 32, 846-855 (2011)
- Nanocoatings and Ultra-

- nanocoatings
- Sacarescu, A. Farcas, M. Pinteala, M. Butnaru
- Thin Films. Tehnologies and Applications, A. S. H. Makhoulouf, I. Tiginyanu, Eds., Woodhead Publishing, Cambridge, UK, 78-130 (2011)
100. Intermolecular interactions in binary solutions of some pyridazinium ylides studied by visible electron spectroscopy
- M. Homocianu, A. Airinei, D. O. Dorohoi
- Proceedings SPIE, 8001 (International Conference on Applications of Optics and Photonics), 80013K/1-8 (2011)
101. Solvatochromic effects in the UV/Vis absorption spectra of some pyridazinium ylides
- M. Homocianu, A. Airinei, D. O. Dorohoi, I. Olariu, N. Fifere
- Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 82, 355-359 (2011)
102. The surface wettability and adhesion of poly(ester urethane)s and of poly(ether urethane)s
- M. Homocianu, D. Macocinschi, M. Butnaru
- Journal of Macromolecular Science, Part B: Physics, 50, 720-731 (2011)
103. Preparation and characterization of barium titanate stannate solid solutions
- N. Horchidan, A. C. Ianculescu, L. P. Curecheriu, F. Tudorache, V. Musteata, S. Stoleriu, N. Dragan, D. Crisan, S. Tascu, L. Mitoseriu
- Journal of Alloys and Compounds, 509, 4731-4737 (2011)
104. Composite magnetic chitosan microspheres: In situ preparation and characterization
- D. Hritcu, G. Dodi, M. Sillion, N. Popa, M. I. Popa
- Polymer Bulletin, 67, 177-186 (2011)
105. Adsorption characteristics of UO_2^{2+} and Th^{4+} ions from simulated radioactive solutions onto chitosan-clinoptilolite sorbents
- D. Humelnicu, M. V. Dinu, E. S. Dragan
- Journal of Hazardous Materials, 185, 447-455 (2011)
106. Effects of flax lignin addition on enzymatic oxidation of poly(ethylene adipate) urethanes
- L. Ignat, M. Ignat, C. Ciobanu, F. Doroftei, V. I. Popa
- Industrial Crops and Products, 34, 1017-1028 (2011)
107. New technique for the synthesis of polyphosphoesters
- S. Iliescu, E. Avram, A. Visa, N. Plesu, A. Popa, G. Ilia
- Macromolecular Research, 19, 1186-1191 (2011)
108. Optical, dielectric and conduction properties of new phosphorus-modified polysulfones
- S. Ioan, L. I. Buruiana, E. Avram, O. Petreus, V. E. Musteata
- Journal of Macromolecular Science, Part B: Physics, 50, 1571-1590 (2011)
109. Rheological and morphological properties of phosphorus-containing polymers
- S. Ioan, L. I. Buruiana, O. Petreus, E. Avram, I. Stoica, G. E. Ioanid
- Polymer Plastics Technology and Engineering, 50, 36-46 (2011)
110. Surface characterization of quaternized polysulfone films and biocompatibility studies
- S. Ioan, R. M. Albu, E. Avram, I. Stoica, E. G. Ioanid
- Journal of Applied Polymer Science, 121, 127-137 (2011)
111. Surface changes upon high-frequency plasma treatment of heritage photographs
- E. G. Ioanid, A. Ioanid, D. E. Rusu, C. M. Popescu, I. Stoica
- Journal of Cultural Heritage, 12, 399-407 (2011)
112. Surface investigation of some medieval
- E. G. Ioanid, A. Ioanid, D.
- Journal of Cultural

- silver coins in high-frequency cold plasma E. Rusu, F. Doroftei Heritage, 12, 220-226 (2011)
113. Thermal degradation of some [1,3,4]-oxadiazole derivatives with liquid crystalline properties G. Lisa, E. R. Cioanca, N. Tudorachi, I. Carlescu, D. Scutaru Thermochimica Acta, 524, 179-185 (2011)
114. Integration properties of Wharton's jelly-derived novel mesenchymal stem cells into ventricular slices of murine hearts M. Lupu, M. Khalil, E. Andrei, F. Iordache, K. Pfannkuche, K. Neef, A. Georgescu, C. Buzila, K. Brockmeier, H. Maniu, J. Hescheler Cellular Physiology and Biochemistry, 28, 63-76 (2011)
115. Natural-based polyurethane biomaterials for medical applications D. Macocinschi, D. Filip, S. Vlad Biomaterials Applications for Nanomedicine, R. Pignatello, Ed., INTECH, Rijeka, Croatia, 309-332 (2011)
116. Inclusion complex of a new propiconazole derivative with β -cyclodextrin: NMR, ESI-MS and preliminary pharmacological studies N. Marangoci, M. Mares, M. Sillion, A. Fifere, C. Varganici, A. Nicolescu, C. Deleanu, A. Coroaba, M. Pinteala, B. C. Simionescu Results in Pharma Sciences, 1, 27-37 (2011)
117. Designing thermotropic liquid crystalline polyazomethines based on fluorene and/or oxadiazole chromophores L. Marin, E. Perju, M. D. Damaceanu European Polymer Journal, 47, 1284-1299 (2011)
118. New symmetric azomethinic dimer: the influence of structural heterogeneity on the liquid crystalline behaviour L. Marin, A. Zabolica, M. Sava Liquid Crystals, 38, 433-440 (2011)
119. Solid state properties of thin films of new copoly(azomethine-sulfone)s L. Marin, D. Timpu, V. Cozan, G. I. Rusu, A. Airinei Journal of Applied Polymer Science, 120, 1720-1728 (2011)
120. Laser processing of ormosils for tissue engineering applications A. Matei, M. Zamfirescu, C. Radu, M. Dinescu, E. C. Buruiana, T. Buruiana, L. E. Sima, S. M. Petrescu Applied Physics A - Materials Science & Processing, 104, 821-827 (2011)
121. Carboxylic polyurethane/organoclay nanocomposites and their properties V. Melinte, T. Buruiana, A. Mihai, E. C. Buruiana High Performance Polymers, 23, 238-247 (2011)
122. Synthesis of hybrid nanocomposites based on new triazeno copolymers and montmorillonite used for detecting metal ions V. Melinte, T. Buruiana, D. Timpu, E. C. Buruiana Polymer International, 60, 102-111 (2011)
123. Suzuki polycondensation: a simple way for synthesis of new polyazines containing thiophene and fluorene moieties I. Mihai, M. Ivanoiu, L. Vacareanu(Stafie), M. Grigoras e-Polymers, Paper No. 031, 1-10 (2011)
124. Hybrid organic/inorganic composites based on silica and weak synthetic polyelectrolytes M. Mihai, E. S. Dragan Journal of Materials Science, 46, 5723-5731 (2011)
125. New polyelectrolyte complex particles as colloidal dispersions based on weak synthetic and/or natural polyelectrolytes M. Mihai, C. A. Ghiorghita, I. Stoica, L. Nita, I. Popescu, G. Fundueanu eXPRESS Polymer Letters, 5, 506-515 (2011)
126. pH-sensitive nanostructured architectures based on synthetic and/or natural weak polyelectrolytes M. Mihai, I. Stoica, S. Schwarz Colloid & Polymer Science, 289, 1387-1396 (2011)

127. A new biosynthetic material and its potential application domains
G. Mocanu, D. Mihai, C. Ionescu, A. Voicu, M. Moscovici
Journal of Applied Polymer Science, 122, 159-167 (2011)
128. Anionic polysaccharide hydrogels with thermosensitive properties
G. Mocanu, D. Mihai, V. Dulong, L. Picton, D. Le Cerf, M. Moscovici
Carbohydrate Polymers, 83, 52-59 (2011)
129. New anionic amphiphilic thermosensitive pullulan derivatives
G. Mocanu, D. Mihai, V. Dulong, L. Picton, D. Lecerf
Carbohydrate Polymers, 84, 276-281 (2011)
130. Pullulan and its derivatives: Synthesis, properties and application domains
G. Mocanu, D. Mihai, L. Picton, D. Le Cerf, M. Moscovici
Medical Applications of Polymers, M. Popa, R. Ottenbrite, C. V. Uglea, Eds., American Scientific Publishers, Stevenson Ranch, CA, vol. 1, 286-322 (2011)
131. Amphiphilic azopolymers capable to generate photo-sensitive micelles
I. Moleavin, C. Ibanescu, A. Hodorog-Rusu, E. Peptu, F. Doroftei, N. Hurduc
Central European Journal of Chemistry, 9, 1117-1125 (2011)
132. Dextran-based polycations: Thermodynamic interaction with water as compared with unsubstituted dextran, 1. Volumetric properties and light scattering
S. Morariu, J. Eckelt, B. A. Wolf
Macromolecular Chemistry and Physics, 212, 1925-1931 (2011)
133. Influence of temperature on the rheological behavior of polymer mixtures in solution
S. Morariu, C. E. Brunchi, C. Hulubei, M. Bercea
Industrial & Engineering Chemistry Research, 50, 9451-9455 (2011)
134. The behavior of poly(dimethylsiloxane-co-diphenylsiloxane)s in good and theta solvents
S. Morariu, C. E. Brunchi, M. Cazacu, M. Bercea
Journal of Chemical and Engineering Data, 56, 1468-1475 (2011)
135. Silver-induced conformational changes of polypeptides: a CD study
M. Murariu, E. S. Dragan, A. Adochitei, G. Zbancioc, G. Drochioiu
Journal of Peptide Science, 17, 512-519 (2011)
136. Curing and thermal behavior of resin matrix for composites based on epoxidized soybean oil/diglycidyl ether of bisphenol A
F. Mustata, N. Tudorachi, D. Rosu
Composites Part B: Engineering, 42, 1803-1812 (2011)
137. Polyhydroxyesterimides from renewable resources: Synthesis, characterization, properties
F. Mustata
International Journal of Polymeric Materials, 60, 1106-1122 (2011)
138. Thermosetting resin compositions based on novolac and modified novolac
F. Mustata
Advances in Polymer Technology, 30, 219-233 (2011)
139. Synthesis and properties of novel aromatic polyamides with non-conjugated bichromophoric units in the main chains
M. Nechifor
Journal of Polymer Research, 18, 2477-2485 (2011)
140. Silver nanoparticles in cellulose acetate polymers: Rheological and morphological properties
A. M. Necula, I. Stoica, N. Olaru, F. Doroftei, S. Ioan
Journal of Macromolecular Science, Part B: Physics, 50, 639-651 (2011)
141. Cationic polymers as therapeutic agents
M. Nichifor, C. Stanciu
Medical Applications of Polymers, M. Popa, R. Ottenbrite, C. V. Uglea, Eds., American Scientific Publishers, Stevenson Ranch, CA, vol. 1, 179-

142. Hydrodynamic properties of some cationic amphiphilic polysaccharides in dilute and semi-dilute aqueous solutions
M. Nichifor, M. C. Stanciu, L. Ghimici, B. C. Simionescu
225 (2011)
Carbohydrate Polymers, 83, 1887-1894 (2011)
143. Molecular recognition by cell specific receptors as a tool for macromolecular drug targeting
M. Nichifor
Medical Applications of Polymers, M. Popa, R. Ottenbrite, C. V. Uglea, Eds., American Scientific Publishers, Stevenson Ranch, CA, vol. 2, 149-184 (2011)
144. Hexakis(1H-imidazole-kN3) iron(II) sulfate-1H-imidazole (1/2)
A. Nistor, S. Shova, M. Cazacu, A. Lazar
Acta Crystallographica, Section E - Structure Reports, m1600-m1601/1-19 (2011)
145. Encapsulation of three different hydrophobic dyes in functionalized silica particles
C. L. Nistor, D. Donescu, R. Ianchis, C. Spataru, V. Raditoiu, C. Petcu, M. Ghiurea, C. Deleanu
Journal of Sol-Gel Science and Technology, 59, 48-56 (2011)
146. Microencapsulation of an acrylate monomer in silica particles by sol-gel process
C. L. Nistor, D. Donescu, A. Perichaud, W. Ballout, M. Ghiurea
Journal of Sol-Gel Science and Technology, 57, 164-171 (2011)
147. Synthesis of hydrogels based on poly(NIPAM) inserted to collagen sponge
M. T. Nistor, A. P. Chiriac, C. Vasile, L. Verestiuc, L. E. Nita
Colloids and Surfaces B: Biointerfaces, 87, 382-390 (2011)
148. Aspects concerning the temperature influence on the polymer/polymer interactions between poly(aspartic acid) and poly(ethylene glycol)
L. E. Nita, A. P. Chiriac, M. Bercea, I. Neamtu
Colloids and Surfaces A: Physicochemical and Engineering Aspects, 374, 121-128 (2011)
149. The temperature influence upon the complexation process between poly(aspartic acid) and poly(ethylene glycol)
L. E. Nita, A. P. Chiriac, M. Bercea, I. Neamtu
Industrial & Engineering Chemistry Research, 50, 5369-5375 (2011)
150. Upon the emulsion polymerization of 2-hydroxyethyl methacrylate with 3,9-divinyl-2,4,8,10-tetraoxaspiro[5.5]-undecane
L. E. Nita, A. P. Chiriac, M. T. Nistor
Colloids and Surfaces A: Physicochemical and Engineering Aspects, 381, 111-117 (2011)
151. Surface modified cellulose obtained by acetylation without solvents of bleached and unbleached kraft pulps
N. Olaru, L. Olaru, C. Vasile, P. Ander
Polimery, 56, 834-840 (2011)
152. Biodegradation of polyurethane acrylate with acrylated epoxidized soybean oil blend elastomers by *Chaetomium globosum*
S. Oprea, F. Doroftei
International Biodeterioration & Biodegradation, 65, 533-538 (2011)
153. Dielectric properties of castor oil crosslinked polyurethane
S. Oprea, O. Potolinca, V. Oprea
High Performance Polymers, 23, 49-58
154. Effect of hard-segment structure on the dielectric relaxation of crosslinked polyurethanes
S. Oprea
Journal of Applied Polymer Science, 119, 2196-2204 (2011)
155. Effect of the long chain extender on the properties of linear and castor oil crosslinked PEG-based polyurethane elastomers
S. Oprea
Journal of Materials Science, 46, 2251-2258 (2011)
156. Molecular dynamics of linear and crosslinked polyester urethanes studied by dielectric spectroscopy
S. Oprea, V. E. Musteata, V. O. Potolinca
Journal of Elastomer & Plastics, 43, 559-576 (2011)

157. Molecular dynamics, thermo-mechanical and optical studies on benzidine chain extended polyurethane-urea S. Oprea Journal of Polymer Research, 18, 1777-1785 (2011)
158. Preparation and characterization of the agar/polyurethane composites S. Oprea Journal of Composite Materials, 45, 2039-2045 (2011)
159. Novel D-glucose and D-mannose based oligomers: Synthesis and characterization A. M. Pana, L. M. Rusnac, G. Bandur, M. Silion, C. Deleanu, M. Balan e-Polymers, Paper No. 004, 1-14 (2011)
160. Thermotropic and optical behaviour of new PDLC systems based on a polysulfone matrix and a cyanoazomethine liquid crystal E. Perju, L. Marin, V. C. Grigoras, M. Bruma Liquid Crystals, 38, 893-905 (2011)
161. Phosphorus-containing polysulfones O. Petreus, T. Petreus High Performance Polymers and Engineering Plastics, V. Mittal, Ed., John Wiley, Hoboken, USA, 167-203 (2011)
162. Thermal degradation and pyrolysis study of phosphorus containing polysulfones O. Petreus, G. Lisa, E. Avram, D. Rosu Journal of Applied Polymer Science, 120, 3233-3241 (2011)
163. Curcumin and a Morus alba extract reduce proinflammatory effects of resistin in human endothelial cells M. M. Pirvulescu, A. M. Gan, D. Stan, V. Simion, M. Calin, E. Butoi, C. Ionescu Tirgoviste, I. Manduteanu Phytotherapy Research, 25, 1737-1742 (2011)
164. A thermogravimetric study of structural changes of lime wood (*Tilia cordata* Mill.) induced by exposure to simulated accelerated UV/Vis-light C. M. Popescu, I. Spiridon, C. M. Tibirna, C. Vasile Journal of Photochemistry and Photobiology A: Chemistry, 217, 207-212 (2011)
165. Carbon-13 CP/MAS solid state NMR and X-ray diffraction spectroscopy studies on lime wood decayed by *Chaetomium globosum* C. M. Popescu, P. T. Larsson, C. Vasile Carbohydrate Polymers, 83, 808-812 (2011)
166. Solid state NMR characterization of cellulose acetate and lime wood cellulose C. M. Popescu, P. T. Larson COST Action E54 Fine Structure of Papermaking Fibres: "Characterization of the fine structure and properties of papermaking fibres using new technologies", P. Ander, W. Bauer, S. Heinemann, P. Kallio, R. Passas, A. Treimanis, Eds., COST Office Brussels, Belgium, 125-130 (2011)
167. Structural analysis of photodegraded lime wood by means of FT-IR and 2D IR correlation spectroscopy C. M. Popescu, M. C. Popescu, C. Vasile International Journal of Biological Macromolecules, 48, 667-675 (2011)
168. Structural and morphological characterization of unmodified and grafted C. M. Popescu, M. I. Totolin, C. M. Tibirna, M. COST Action E54 Fine Structure of Papermaking

- | | | |
|--|--|---|
| unbleached and bleached softwood kraft pulp fibers | C. Popescu, P. Ander, C. Vasile | Fibres: "Characterization of the fine structure and properties of papermaking fibres using new technologies", P. Ander, W. Bauer, S. Heinemann, P. Kallio, R. Passas, A. Treimanis, Eds., COST Office Brussels, Belgium, 253-265 (2011) |
| 169. Thermogravimetric analysis of photodegraded acrylic coated lime wood | C. M. Popescu, C. M. Tibirna, C. Vasile | Photochemistry and Photobiology, 87, 779-785 (2011) |
| 170. Maleic acid - 2-vinylnaphthalene copolymer in aqueous solution: investigation of the dissociation and fluorescence quenching | I. Popescu, A. Airinei, D. M. Suflet, M. I. Popa | Journal of Polymer Research, 18, 2195-2203 (2011) |
| 171. A new approach for the synthesis of nanostructured polyurethane-hydroxyapatite-based hybrid materials | L. M. Popescu, R. M. Piticescu, T. Buruiana, E. Vasile, R. Trusca, V. Badilita | Zeitschrift fur Naturforschung, 66b, 36-42 (2011) |
| 172. Evaluation of morphological and chemical aspects of different wood species by spectroscopy and thermal methods | M. C. Popescu, C. M. Popescu, G. Lisa, Y. Sakata | Journal of Molecular Structure, 988, 65-72 (2011) |
| 173. Grafting of softwood kraft pulp fibers with fatty acids under cold plasma conditions | M. C. Popescu, M. Totolin, C. M. Tibirna, A. Sdrobis, T. Stevanovic, C. Vasile | International Journal of Biological Macromolecules, 48, 326-335 (2011) |
| 174. Two-dimensional infrared correlation spectroscopic studies of polymeric blends - Specific interactions in polyethylene adipate/cholesteryl palmitate blends | M. C. Popescu, C. Vasile | Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 79, 45-50 (2011) |
| 175. Biocomposites based on new monomer systems reinforced with micro/nanoparticles and glass fibers | C. Prejmerean, T. Buruiana, T. Nunes, M. Moldovan, L. Colceriu | Metal, Ceramic and Polymeric Composites for Various Uses, J. Cuppolletti, Ed., InTech, Rijeka, Croatia, 239-264 (2011) |
| 176. Influence of the type of chain extender and urethane group content on the mechanical properties of polyurethane elastomers with flexible hard segments | C. Prisacariu, E. Scortanu | High Performance Polymers, 23, 308-313 (2011) |
| 177. Morphological features and thermal and mechanical response in segmented polyurethane elastomers | C. Prisacariu, E. Scortanu, I. Stoica, B. Agapie, V. Barboiu | Polymer Journal, 43, 613-620 (2011) |
| 178. New developments in thermoplastic polyurethanes of variable crystallinity: Sensitivity of cyclic stress-strain response to chemical structure | C. Prisacariu, E. Scortanu, A. Airinei, B. Agapie, M. Iurzenko, Y. P. Mamunya | Procedia Engineering, 10, 446-454 (2011) |
| 179. Synthesis and characterization of dibenzyl based polyurethane blends obtained via the one shot synthesis route | C. Prisacariu, E. Scortanu, B. Agapie | Procedia Engineering, 10, 984-989 (2011) |
| 180. New insights into polyurethane elastomers obtaining by changing the | C. Prisacariu, E. Scortanu, B. Agapie | Lecture Notes in Engineering and |

polyaddition procedures

- | | | |
|---|---|---|
| | | Computer Science
(Proceedings of the
World Congress on
Engineering 2011, WCE
2011, July 6-8, 2011,
London, U. K.), 2192, vol.
III, 2178-2183 (2011) |
| 181. Sensitivity to the physical and chemical structure of hard-segment-reinforced polyurethane elastomers with variable percentage of hydrogen bonding | C. Prisacariu, E. Scortanu | Journal of Applied Polymer Science, 122, 3544-3550 (2011) |
| 182. A simple method for the preparation of colloidal polymer-supported silver nanoparticles | C. Racles, I. Stoica, F. Doroftei, V. Cozan | Journal of Nanoparticle Research, 13, 6971-6980 (2011) |
| 183. Rigid and flexible azopolymers modified with donor/acceptor groups. Synthesis and photochromic behavior | A. Raicu Luca, L. Rocha, A. M. Resmerita, A. Macovei, M. Hamel, A. M. Macsim, N. Nichita, N. Hurduc | eXPRESS Polymer Letters, 5, 959-969 (2011) |
| 184. Semi-interpenetrating polymer networks containing polysaccharides. II. Xanthan/lignin network: a spectral and thermal characterization | I. E. Raschip, E. G. Hitruc, C. Vasile | High Performance Polymers, 23, 219-229 (2011) |
| 185. In vitro evaluation of the mixed xanthan/lignin hydrogels as vanillin carriers | I. E. Raschip, E. G. Hitruc, A. M. Oprea, M. C. Popescu, C. Vasile | Journal of Molecular Structure, 1003, 67-74 (2011) |
| 186. Pyrylium salts with 2-(azulen-1-yl) vinyl substituents in 2-, 4- and/or 6-positions | A. C. Razus, L. Cristian, S. Nica, O. Zaharia, A. Hanganu | ARKIVOC, Part 9, 38-50 (2011) |
| 187. Reductive coupling of (azulen-1-yl)carbonyl compounds by low-valent titanium; pinacol/pinacolone rearrangement versus pinacol and alkene generation | A. C. Razus, E. A. Dragu, S. Nica, A. Nicolescu | Tetrahedron Letters, 52, 1858-1862 (2011) |
| 188. Synthesis and physico-chemical properties of highly conjugated azoaromatic systems. 4-(azulen-1-yl)-pyridines with mono- and bis azo-aromatic moieties at C3-position of azulene | A. C. Razus, S. Nica, L. Cristian, M. Raicopol, L. Birzan, A. E. Dragu | Dyes and Pigments, 91, 55-61 (2011) |
| 189. Cobalt(III) dimethylglyoximates containing selenourea ligand: Synthesis and structures | A. P. Rija, A. Nicolescu, A. Soran, E. B. Coropceanu, I. I. Bulhac, O. A. Bologa, C. Deleanu, P. N. Bourosh | Russian Journal of Coordination Chemistry, 37, 757-765 (2011) |
| 190. Birefringence and didroism of poly(vinyl-alcohol) foils containing phthalazinium ylids | A. Rogojanu, C. F. Dascalu, B. C. Zelinschi, M. Caprosu, D. O. Dorohoi | Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, 81, 334-338 (2011) |
| 191. Supercritical carbon dioxide swelling of polyheteroarylenes synthesized in N-methylpyrrolidinone | I. Ronova, L. Nikitin, G. Tereschenko, M. Bruma | Chemistry and Chemical Technology (Lviv), 5, 25-36 (2011) |
| 192. Effect of 5-azacytidine: Evidence for alteration of the multipotent ability of mesenchymal stem cells | A. M. Rosca, A. Burlacu | Stem Cells and Development, 20, 1213-1221 (2011) |

193. Thermal stability of silver sulfathiazole-epoxy resin network
D. Rosu, L. Rosu, M. Brebu
Journal of Analytical and Applied Pyrolysis, 92, 10-18 (2011)
194. Modification of the surface properties of a polyimide film during irradiation with polychromatic light
L. Rosu, I. Sava, D. Rosu
Applied Surface Science, 257, 6996-7002 (2011)
195. 1-[(E)-4-(phenyldiazenyl)phenyl]-3-pyrroline-2,5-dione
E. Rusu, S. Shova, G. Rusu
Acta Crystallographica Section E - Structure Reports, 67, o2333/1-9 (2011)
196. Nylon 6/TiO₂ composites by in situ anionic ring-opening polymerization of ϵ -caprolactam: Synthesis, characterization and properties
G. Rusu, E. Rusu
International Journal of Polymer Analysis and Characterization, 16, 561-583 (2011)
197. On the electrical and optical properties of some poly(azomethine sulfone)s in thin films
M. Rusu, A. Airinei, G. G. Rusu, L. Marin, V. Cozan, P. Rambu, I. Caplanus, G. I. Rusu
Journal of Macromolecular Science, Part B: Physics, 50, 1285-1297 (2011)
198. Copoly(1,3,4-oxadiazole-naphthylimide)s containing siloxane units in the main chain: synthesis and properties
R. D. Rusu, M. D. Damaceanu, M. Bruma
High Performance Polymers, 23, 384-393 (2011)
199. Effect of conformational parameters on thermal properties of some poly(oxadiazole-naphthylimide)s
R. D. Rusu, M. D. Damaceanu, M. Bruma, I. A. Ronova
Iranian Polymer Journal, 20, 29-40 (2011)
200. Microwave-assisted N-allylation of uracil and thymine pyrimidine bases
L. Sacarescu, I. Atudosie, M. Simionescu, G. Sacarescu, V. Harabagiu
Chemistry of Heterocyclic Compounds, 47, 602-606 (2011)
201. Photocatalytic synthesis of silver nanoparticles using polysilane initiator
L. Sacarescu, M. Simionescu, G. Sacarescu, E. G. Hitruc
Journal of Nanoparticle Research, 13, 997-1005 (2011)
202. Pseudo-template synthesis of gold nanoparticles based on polyhydrosilanes
L. Sacarescu, M. Simionescu, G. Sacarescu
Applied Surface Science, 257, 3236-3242 (2011)
203. Synthesis of polyhydrosilanes-graft-poly(ethyleneglycol)methyl ether
L. Sacarescu, M. Simionescu, G. Sacarescu
International Journal of Polymer Analysis and Characterization, 16, 360-368 (2011)
204. Effect of thermal curing on the properties of thin films based on benzophenonetetracarboxylic dianhydride and 4,4'-diamino-3,3'-dimethyldiphenylmethane
I. Sava, S. Chisca, M. Bruma, G. Lisa
Journal of Thermal Analysis and Calorimetry, 104, 1135-1143 (2011)
205. New aromatic polyesteramides: synthesis and properties
I. Sava
Polimery, 56, 263-270 (2011)
206. Synthesis and characterization of hybrid silica/polyamides obtained by sol-gel processing
I. Sava
Journal of Macromolecular Science, Part B: Physics, 50, 201-211 (2011)
207. Synthesis and anti-HIV activity of β -cyclodextrin-C6-sulfate/3-azido-3'-deoxythymidine inclusion complex
M. Sillion, A. Dascalu, B. C. Simionescu, M. Pinteala, C. Ungurenasu
Journal of Polymer Science, Part A: Polymer Chemistry, 49, 1730-1733 (2011)
208. Siloxane-based polymers as protective coatings against SO₂ dry deposition
B. Simionescu, M. Olaru, M. Aflori, F. Doroftei
High Performance Polymers, 23, 326-334 (2011)
209. Magnetically induced phase condensation
V. Socoliuc, D. Bica, L.
- Magnetohydrodynamics,

- with asymptotic critical temperature in an aqueous magnetic colloid
210. The influence of long range interparticle correlations on the magnetically induced optical anisotropy in magnetic colloids
211. Antioxidant capacity and total phenolic contents of oregano (*Origanum vulgare*), lavender (*Lavanda angustifolia*) and lemon balm (*Melissa officinalis*) from Romania
212. Preparation and characterization of adipic acid-modified starch microparticles/plasticized starch composite films
213. Structural changes evidenced by FTIR spectroscopy in cellulosic materials after pre-treatment with ionic liquid and enzymatic hydrolysis
214. Total phenolic content and antioxidant activity of plants used in traditional Romanian herbal medicine
215. New therapeutic agent with increased antifungal activity
216. Nystatin-polyethylene oxide conjugates with enhanced solubility in water
217. High glucose induced enhanced expression of resistin in human U937 monocyte-like cell line by MAPK- and NF- κ B-dependent mechanisms; the modulating effect of insulin
218. Thin films of arylenevinylene oligomers prepared by MAPLE for applications in nonlinear optics
219. Efficient preparation and characterization of carbohydrate based monomers. D-mannose derivatives
220. Phosphorylated polysaccharides. 3. Synthesis of phosphorylated curdlan and its polyelectrolyte behaviour compared with other phosphorylated polysaccharides
221. Sorption of Brilliant Red HE-3B reactive dye from aqueous solution onto seashells
- Vekas
- V. Socoliuc, L. B. Popescu
- I. Spiridon, S. Colceru, N. Anghel, C. A. Teaca, R. Bodirlau, A. Armatu
- I. Spiridon, C. A. Teaca, R. Bodirlau
- I. Spiridon, C. A. Teaca, R. Bodirlau
- I. Spiridon, R. Bodirlau, C. A. Teaca
- M. Spulber, M. Pinteala, A. Fifere, V. Harabagiu, B. C. Simionescu
- M. Spulber, A. Fifere, A. Durdureanu-Angheluta, N. Fifere
- D. Stan, M. Calin, I. Manduteanu, M. Pirvulescu, A. M. Gan, E. Dragomir Butoi, V. Simion, M. Simionescu
- A. Stanculescu, L. Vacareanu, M. Grigoras, M. Socol, G. Socol, F. Stanculescu, N. Preda, E. Matei, I. Ionita, M. Girtan, I. N. Mihailescu
- L. M. Stefan, A. M. Pana, M. Sillion, M. Balan, G. Bandur, L. M. Rusnac
- D. M. Suflet, A. Nicolescu, I. Popescu, G. C. Chitanu
- D. Suteu, D. Bilba, F. Doroftei, T. Malutan
- 47, 201-206 (2011)
- Physica A - Statistical Mechanics and its Applications, 390, 569-578 (2011)
- Natural Product Research, 25, 1657-1661 (2011)
- Journal of Materials Science, 46, 3241-3251 (2011)
- Bioresources, 6, 400-413 (2011)
- Central European Journal of Biology, 6, 388-396 (2011)
- Macrocyclic Chemistry: New Research Developments, D. W. Fitzpatrick, H. J. Ulrich, Eds., Nova Science Publishers, New York, 435-446 (2011)
- Journal of Inclusion Phenomena and Macrocyclic Chemistry, 71, 87-93 (2011)
- Cell and Tissue Research, 343, 379-387 (2011)
- Applied Surface Science, 257, 5298-5302 (2011)
- Proceedings of the World Academy of Science, Engineering and Technology, 76, 356-360 (2011)
- Carbohydrate Polymers, 84, 1176-1181
- Separation Science and Technology, 46, 1462-

- waste: Equilibrium and kinetic studies
222. Light-induced reactions of benzoxazines and derivatives M. A. Tasdelen, B. Kiskan, B. Gacal, F. Kasapoglu, L. Cianga, Y. Yagci 1471 (2011)
Handbook of Benzoxazine Resins, H. Ishida, T. Agag, Eds., Elsevier, 183-191 (2011)
223. The future of cardiovascular medicine: Biomaterials for tissue therapy I. Titorencu, V. V. Jinga, M. Albu From Vascular Cell Biology to Cardiovascular Medicine, A. Georgescu, F. Antohe, Eds., Transworld Research Network, Trivandrum, India, 313 (2011)
224. Cellulosic materials modification by physical and chemical methods M. I. Totolin, G. Cazacu, C. Vasile COST Action E54 Fine Structure of Papermaking Fibres: "Characterization of the fine structure and properties of papermaking fibres using new technologies", P. Ander, W. Bauer, S. Heinemann, P. Kallio, R. Passas, A. Treimanis, Eds., COST Office Brussels, Belgium, 27-38 (2011)
225. Positive findings for plasma polymer (meth)acrylate thin films in heritage protective applications M. I. Totolin, I. Neamtu Journal of Cultural Heritage, 12, 392-398 (2011)
226. An efficient and selective route to hybrid trifluoromethyl-substituted ϵ -lactones of fused hydrogen derivatives via cascade reactions R. Tucaliuc, V. V. Cotea, C. Moldoveanu, G. Zbancioc, C. Deleanu, P. G. Jones, I. I. Mangalagiu Tetrahedron Letters, 52, 6439-6442 (2011)
227. Biodegradable copolymers with succinimide and lactic acid units II. Kinetics of thermodegradation, thermal characteristics and zeta potential of the product N. Tudorachi, A. P. Chiriac Polimery, 56, 302-308 (2011)
228. Biodegradable copolymers with succinimide and lactic acid units I. Synthesis possibilities N. Tudorachi, A. P. Chiriac, R. Lipsa Polimery, 56, 204-210 (2011)
229. Poly(vinyl alcohol)-g-lactic acid copolymers and films with silver nanoparticles N. Tudorachi, R. Lipsa Journal of Applied Polymer Science, 122, 1109-1120 (2011)
230. Poly(vinyl alcohol-co-lactic acid)/hydroxyapatite composites: Synthesis and characterization N. Tudorachi, A. P. Chiriac Journal of Polymers and the Environment, 19, 546-558 (2011)
231. TGA/FTIR/MS study on thermal decomposition of poly(succinimide) and sodium poly(aspartate) N. Tudorachi, A. P. Chiriac Polymer Testing, 30, 397-407 (2011)
232. Thermal and chemical stability of Romanian bentonite A. V. Ursu, G. Jinescu, F. Gros, I. D. Nistor, N. D. Miron, G. Lisa, M. Silion, G. Djelveh, A. Azzouz Journal of Thermal Analysis and Calorimetry, 106, 965-971 (2011)
233. Homocysteine - as a metabolic condition for congenital malformations and poor pregnancy outcomes and their genetic N. Usurelu, V. Sacara, S. Garaeva, G. Redcozubova, G. Buletin de Perinatologie (Chisinau), 3/4(51/52), 64-67 (2011)

- correlations
- Postolati, V. Burgoci, V. Scurtu, I. Holban, R. Stratila, N. Sorici, A. Parii, A. Nicolescu, C. Deleanu, V. Ciochina, V. Moshin L. Vacareanu, M. Grigoras
234. Synthesis and electrochemical characterization of new linear conjugated arylamine copolymers
235. Microwave plasma activation of a polyvinylidene fluoride surface for protein immobilization
236. Novel multi-stimuli responsive sodium alginate-grafted-poly(N-isopropylacrylamide) copolymers: II. Dilute solution properties
237. Recycling of waste of electric and electronic equipment (WEEE)
238. Adsorption of cefotaxime sodium salt on polymer coated ion exchange resin microparticles: Kinetics, equilibrium and thermodynamic studies
239. Enantioselective synthesis of 11-homodrim-7-en-9 alpha,12,13-triol
240. Synthesis of ent-crotonadiol and compounds related to it from (+)-larixol
241. Sorption studies of chromium (VI) onto new ion exchanger with tertiary amine, quaternary ammonium and ketone groups
242. The Meyer-Neldel route in layered silicone-silver nanocomposites
243. Rheological behaviour of acrylate/montmorillonite nanocomposite latexes and their application in leather finishing as binders
- C. Vasile, M. C. Baican, C. M. Tibirna, C. Tuchilus, D. Debarnot, E. Paslaru, F. Foncin-Epaillard
- C. Vasile, L. E. Nita
- C. Vasile, M. Brebu
- S. Vasiliu, I. Bunia, S. Racovita, V. Neagu
- P. F. Vlad, K. G. Edu, M. N. Koltza, A. G. Chokyrlan, A. Nikolescu, K. Deleanu
- P. F. Vlad, A. Chokyrlan, M. D'Ambrosio, M. N. Koltza, A. N. Barba, K. Edu, A. Byryyak, A. Nikolescu, A. Mari, K. Deleanu
- G. Wojcik, V. Neagu, I. Bunia
- A. Yildiz, F. Iacomi, M. Cazacu, A. Amironesei, G. I. Rusu, S. Simon
- O. Yilmaz, C. N. Cheaburu, G. Gulumser, C. Vasile
- High Performance Polymers, 23, 112-124 (2011)
- Journal of Physics D: Applied Physics, 44, 475303/1-15 (2011)
- Carbohydrate Polymers, 86, 77-84 (2011)
- Recycling: Processes, Costs and Benefits, C. J. Nielsen, Ed., Nova Science Publishers, New York, 91-140 (2011)
- Carbohydrate Polymers, 85, 376-387 (2011)
- Chemistry of Natural Compounds, 47, 574-578
- Chemistry of Natural Compounds, 47, 397-403 (2011)
- Journal of Hazardous Materials, 190, 544-552 (2011)
- Polymer Composites, 32, 1751-1756 (2011)
- Progress in Organic Coatings, 70, 52-58 (2011)

244. Fluorescence quenching of anthracene by nitroaromatic compounds
A. Airinei, R. I. Tigoianu, E. Rusu, D. O. Dorohoi
Digest Journal of Nanomaterials and Biostructures, 6, 1265-1272 (2011)
245. Optical properties of some bismaleimide derivatives
A. Airinei, M. Homocianu, N. Fifere, C. Gaina, V. Gaina
Optoelectronics and Advanced Materials - Rapid Communications, 5, 655-660 (2011)
246. The stability of some collagen hydrogels
M. G. Albu, I. Titorencu, C. Chelaru
Revista de Pielarie si Incaltaminte (Leather and Footwear Journal), 11, 11-20 (2011)
247. Electrical and optical properties of some polyazomethine thin films prepared by a spin-coating method
A. Amironesei, A. Airinei, D. Timpu, V. Cozan, A. P. Rimbu, M. Irimia, F. Iacomi, G. I. Rusu
Journal of Optoelectronics and Advanced Materials, 13, 802-806 (2011)
248. Layered silicone-silver composites
A. I. Amironesei, C. Tabacaru, I. Sandu, M. Cazacu, G. I. Rusu, F. Iacomi
Revista de Chimie, 62, 455-458 (2011)
249. Characterization of biological active compounds from *Verbascum phlomoides* by chromatography techniques. I. Gas chromatography
A. Armatu, R. Bodirlau, C. B. Nechita, M. Niculaua, C. A. Teaca, M. Ichim, I. Spiridon
Romanian Biotechnological Letters, 16, 6297-6304 (2011)
250. Spectral and quantum-mechanical characterization of 7-[2-hydroxy-3(4-acetyl-amino)-phenoxy-propyl]-1,3-dimethyl-xanthine derivatives
M. Avadanei, M. Dulcescu, L. Profire, V. Barboiu, D. O. Dorohoi
Digest Journal of Nanomaterials and Biostructures, 6, 1149-1160 (2011)
251. Albumin immobilization on polyvinylidene fluoride surfaces
M. Baican, E. Paslaru, E. G. Hitruc, C. Vasile
Digest Journal of Nanomaterials and Biostructures, 6, 1053-1064 (2011)
252. Protein coatings onto the polyvinylidene fluoride surface using microwave plasma treatment
M. Baican, C. Vasile
Journal of Optoelectronics and Advanced Materials, 13, 588-595 (2011)
253. New 5-substituted-4H-4-amino-3-mercapto-1,2,4-triazoles with increased complexing capabilities
V. N. Bercean, A. A. Creanga, V. Badea, C. Deleanu, C. Csunderlik
Revista de Chimie, 62, 47-50 (2011)
254. Recycle of polyamide dyeing wastewater following decolorization with polymeric sorbents
A. Berteau, V. Dulman, A. P. Berteau, I. Bunia
Environmental Engineering and Management Journal, 10, 305-310 (2011)
255. Mild oxidation of cellulose fibers using dioxygen as ultimate oxidizing agent
G. Biliuta, L. Frascu, V. Harabagiu, S. Coseri
Digest Journal of Nanomaterials and Biostructures, 6, 293-299 (2011)
256. Reactions of pyrylium perchlorates having long alkyl substituents with aminoacids
M. V. Bogatian, G. Bogatian, A. Hirtopeanu, C. Deleanu, A. Nicolescu, M. Maganu, P. Filip
Revue Roumaine de Chimie, 56, 325-333 (2011)
257. Rheology of silylcellulosic derivatives solutions used for tissue regeneration I. Trimethylsilylcellulose
D. Bontea, C. Iordache, A. M. Bontea, I. Sandu, A. Luca, I. G. Sandu
Revista de Chimie, 62, 1161-1164 (2011)
258. Synthesis and characterization of a silsesquioxane nanocomposite with
I. Bordianu, M. Olaru, C. Cotofana, L. Ursu
Journal of Optoelectronics and

- photoluminescence properties
259. Pyrolysis of lignin - a potential method for obtaining chemicals and/or fuels
260. Trypsin immobilization onto silica/(polyelectrolyte)_n hybrid microparticles
261. Biological performance of polyurethane membrane for implantable devices
262. Protein adsorption and oxidative properties of some cellulose-modified polyurethane membranes for medical applications
263. Surface roughness albumin adsorption and thrombogenicity of cellulose-blended polyurethane membranes
264. Polyaniline synthesis in the presence of three macrocyclic compounds
265. Effect on nerve structures of functionalized gold-chitosan nanoparticles obtained by one pot synthesis
266. Biocompatibility testing of chitosan hydrogels
267. Evaluation of the computational methods for determining vegetable oils composition using ¹H-NMR spectroscopy
268. A new efficient one-pot synthesis of 2,5-diaryl-1,3,4-oxadiazoles
269. Sodium tetraborate-dibenzo-18-crown ether-6 complex as reagent in the synthesis of cinnamic acids from aromatic aldehydes and aliphatic carboxylic acids
270. Dielectric and conduction properties of polyimide films
271. Influence of conformational parameters
- M. Brebu, G. Cazacu, O. Chirila
- F. Bucatariu, F. Simon, G. Fundeanu, E. S. Dragan
- M. Butnaru, O. Bredetean, L. Knieling, D. Macocinschi, S. Vlad, D. Filip, X. Patras, V. Harabagiu
- M. Butnaru, D. Macocinschi, C. D. Dimitriu, S. Vlad, D. Filip, V. Harabagiu
- M. Butnaru, D. Macocinschi, I. Stoica, C. D. Dumitriu, L. Andreea, S. Vlad, D. Filip, V. Harabagiu
- A. M. Catargiu, M. Grigoras
- A. Cazacu, D. Bindar, L. Tartau, L. Hritcu, M. Stefan, L. Nita, C. Ionescu, V. Nica, G. Rusu, M. Dobromir, V. Melnig
- C. N. Chiaburu, B. Stoica, A. Neamtu, C. Vasile
- N. A. Chira, M. C. Todasca, A. Nicolescu, A. Rosu, M. Nicolae, S. I. Rosca
- C. I. Chiriac, F. Tanasa, M. Nechifor
- C. I. Chiriac, F. Tanasa, M. Nechifor
- S. Chisca, I. Sava, V. E. Musteata, M. Bruma
- S. Chisca, I. A. Ronova, I.
- Advanced Materials, 13, 635-637 (2011)
- Cellulose Chemistry and Technology, 45, 43-50
- Buletinul Institutului Politehnic din Iasi, Sectia Chimie si Inginerie Chimica, 57(4), 109-116 (2011)
- E-Health and Bioengineering Conference, EHB 2011, (Nov. 24-26, 2011, Iasi, Romania), Article Number 6150398/1-4 (2011)
- Optoelectronics and Advanced Materials - Rapid Communications, 5, 172-176 (2011)
- E-Health and Bioengineering Conference, EHB 2011, (Nov. 24-26, 2011, Iasi, Romania), Article Number 6150399/1-4 (2011)
- Acta Chemica Iasi, 19, 81-100
- Analele Stiintifice ale Universitatii "Alexandru Ioan Cuza" din Iasi, Sectiunea Genetica si Biologie Moleculara, 12(1), 45-50 (2011)
- Revista Medico-Chirurgicala a Societatii de Medici si Naturalisti din Iasi, 115, 864-870 (2011)
- Revista de Chimie, 62, 42-46 (2011)
- Revue Roumaine de Chimie, 56, 1113-1117 (2011)
- Revue Roumaine de Chimie, 56, 419-423 (2011)
- CAS 2011 Proceedings (2011 International Semiconductor Conference, 34th Edition, Oct. 17-19, Sinaia), vol.2, 253-256 (2011)
- Materiale Plastice, 48,

- on physical properties of polyimides containing methylene bridges
272. Bovine serum albumin adsorption onto UV-activated green polyurethane surface
273. Amorphous cellulose - structure and characterization
274. Synthesis of new hydrogels based on xanthan and cellulose allomorphs
275. DNA complexation by cationic pullulan possessing thermosensitive units
276. Fluorescence of pyoverdine synthesized by *Pseudomonas* under the effect of iron oxide nanoparticles
277. Dielectric behaviour of polyperyleneimide films
278. Polymers containing 1,3,4-oxadiazole rings for advanced materials
279. Evaluation of properties of LDPE/oak wood composites exposed to artificial aging
280. Micro-/nanostructured polymeric materials: Poly(ϵ -caprolactone) crosslinked collagen sponges
281. Polyacrylamide-dextran polymeric networks: Effect of gel preparation temperature on their morphology and swelling properties
282. Rheological properties of the ionic composite hydrogels obtained below the freezing point of the reaction solutions
283. Nanostructured materials used in catalysis
284. Optical and morphological properties of polyrotaxanes based on fluorene/bithiophene copolymers with persilylated- cyclodextrins
285. Photophysical properties of polyrotaxanes based on fluorene copolymers
- Sava, V. A. Medvedeva, M. Bruma
C. Ciobanu, L. M. Gradinaru, R. V. Gradinaru, M. Drobotu, S. Vlad
D. Ciolacu, V. I. Popa
- D. Ciolacu, M. Cazacu
- M. Constantin, I. Oanea, V. Harabagiu, P. Ascenzi, G. Fundueanu
- D. Creanga, A. Poiata, N. Fifere, A. Airinei, C. Nadejde
M. D. Damaceanu, R. D. Rusu, M. Bruma
- M. D. Damaceanu, R. D. Rusu, M. Bruma
- R. N. Darie, M. Bercea, M. Kozlowski, I. Spiridon
- G. David, B. C. Simionescu, S. Maier, C. Balhui
- M. V. Dinu, M. M. Perju, M. Cazacu, E. S. Dragan
- M. V. Dinu, M. M. Perju, E. S. Dragan
- I. D. Dobreu, M. Silion, D. Nistor, M. I. Popa
- A. Farcas, G. E. Hitruc
- A. Farcas, I. Stoica, N. Marangoci, C. Peptu, F.
- 38-44 (2011)
- Digest Journal of Nanomaterials and Biostructures, 6, 1751-1761 (2011)
- Cellulose Chemistry and Technology, 45, 13-21 (2011)
- Cellulose Chemistry and Technology, 45, 163-169 (2011)
- Digest Journal of Nanomaterials and Biostructures, 6, 849-861 (2011)
- Romanian Biotechnological Letters, 16, 6336-6343 (2011)
- CAS 2011 Proceedings (2011 International Semiconductor Conference, 34th Edition, Oct. 17-19, Sinaia), vol.2, 291-294 (2011)
- Memoriile Sectiilor Stiintifice, Academia Romana, Series IV, 34, 105-125 (2011)
- Cellulose Chemistry and Technology, 45, 127-135 (2011)
- Digest Journal of Nanomaterials and Biostructures, 6, 1575-1585 (2011)
- Cellulose Chemistry and Technology, 45, 197-203 (2011)
- Buletinul Institutului Politehnic din Iasi, Sectia Chimie si Inginerie Chimica, 57(4), 117-125 (2011)
- Buletinul Institutului Politehnic din Iasi, Sectia Chimie si Inginerie Chimica, 57(4), 157-169 (2011)
- Digest Journal of Nanomaterials and Biostructures, 6, 1649-1656 (2011)
- Buletinul Institutului Politehnic din Iasi, Sectia

- | | | |
|---|---|--|
| | Farcas | Chimie si Inginerie
Chimica, 57(3), 129-137
(2011) |
| 286. Preliminary study concerning the applicability of π -conjugated polymers with rotaxane architectures | A. Farcas, I. Stoica, F. Farcas, N. Marangoci, C. Peptu | Buletinul Institutului Politehnic din Iasi, Sectia Chimie si Inginerie Chimica, 57(3), 139-147 (2011) |
| 287. Semi-empirical PM3 study on complexation of β -cyclodextrin with 5-fluorocytosine | A. Fifere, M. Spulber, N. Marangoci, N. Fifere, M. Pinteala, V. Harabagiu, B. C. Simionescu | Cellulose Chemistry and Technology, 45, 149-156 (2011) |
| 288. Physical properties of azobismaleimide polymer films | N. Fifere, M. Homocianu, A. Airinei, C. Gaina, V. Gaina, R. I. Tigoianu, G. E. Hitruc | Annals of "Dunarea de Jos" University of Galati, Fascicle II, Mathematics, Physics, Theoretical Mechanics, 3(34) (Special Issue), 233-240 (2011) |
| 289. Thermally cleavable hybrid materials | C. Gaina, O. Ursache, V. Gaina | Studii si Cercetari Stiintifice, Chimie si Inginerie Chimica, Biotehnologie, Industrie Alimentara, 12, 347-355 (2011) |
| 290. New polymer inclusion membrane. Preparation and characterization | C. V. Gherasim, M. Cristea, C. V. Grigoras, G. Bourceanu | Digest Journal of Nanomaterials and Biostructures, 6, 1507-1516 (2011) |
| 291. Construction and characterization of some composite layer-by-layer thin films based on chitosan and synthetic polyanions | C. A. Gheorghita, D. Timpu, E. S. Dragan | Buletinul Institutului Politehnic din Iasi, Sectia Chimie si Inginerie Chimica, 57(4), 83-89 (2011) |
| 292. Influence of diisocyanate structure on the properties of some polyetherurethanes based on renewable resources | L. M. Gradinaru, M. Mandru, C. Ciobanu, D. Filip, D. Macocinschi, S. Vlad | Journal of Optoelectronics and Advanced Materials, 13, 280-286 (2011) |
| 293. Dilute solution behavior on surface morphology of poly(9-vinylcarbazole)/4,4'-dinitrodibenzyl blends | A. G. Grigoras, V. C. Grigoras, V. Barboiu | Journal of Optoelectronics and Advanced Materials, 13, 967-972 (2011) |
| 294. Synthesis of a triphenylamine-based macrocycle with rhombimine shape | M. Grigoras, L. Vacareanu, T. Ivan | Revue Roumaine de Chimie, 56, 411-417 (2011) |
| 295. Evaluarea unor parametri biofizici ai eritrocitului uman prin spectroscopie FT-IR - studiu preliminar | M. Gutu, V. Rusu, M. Avadanei, C. Stefanescu, B. Stoica | Revista Medico-Chirurgicala a Societatii de Medici si Naturalisti din Iasi, 115, 881-888 (2011) |
| 296. Characteristics of surface wettability and hydrophobicity of some EPDM/polyolefin composites | M. Homocianu, A. Airinei, D. M. Stelescu, R. I. Tigoianu | Annals of "Dunarea de Jos" University of Galati, Fascicle II, Mathematics, Physics, Theoretical Mechanics, 3(34) (Special Issue), 109-114 |

297. Solvent effects on the electronic absorption and fluorescence spectra
M. Homocianu, A. Airinei, D. O. Dorohoi (2011)
Journal of Advanced Research in Physics, 2, 011105/1-9 (2011)
298. UV-VIS study of some non persistent nitroxyl radicals
M. Homocianu, G. Biliuta, A. Airinei, S. Coseri
Optoelectronics and Advanced Materials - Rapid Communications, 5, 581-585 (2011)
299. Novel polyimides containing alicyclic units. Synthesis and characterization
C. Hulubei, D. Popovici
Revue Roumaine de Chimie, 56, 209-215 (2011)
300. Synthesis and superhydrophobic montmorillonite by edge covalent bonding with monofunctional alkoxy silane
R. Ianchis, D. Donescu, M. C. Corobea, C. L. Nistor, C. Petcu, R. Somoghi, R. D. Fierascu
Optoelectronics and Advanced Materials - Rapid Communications, 5, 1352-1355 (2011)
301. Preparation of ceramide and sphingosine by chemical and biochemical methods. An instrument for the evaluation of compatibility between sphinganine and fatty acids
S. Iga, D. P. Iga, A. Nicolescu, F. Duica, G. Cimpeanu
Romanian Biotechnological Letters, 16, 6841-6846 (2011)
302. A comparative study on adsorption of gallic acid onto polymeric adsorbents with amine functional groups
I. Ignat, V. Neagu, I. Bunia, C. Paduraru, I. Volf, V. I. Popa
Cellulose Chemistry and Technology, 45, 251-256 (2011)
303. Lignin blends with polyurethane-containing lactate segments. Properties and enzymatic degradation effects
L. Ignat, M. Ignat, E. Stoica, C. Ciobanu, V. I. Popa
Cellulose Chemistry and Technology, 45, 233-243 (2011)
304. Electromechanical microactuator based on aromatic polyetherimide and pyrite ash powder
M. Ignat, G. Zarnescu, E. Hamciuc, C. Hamciuc
Bulletin of Micro and Nanoelectrotechnologies, 2, 21-29 (2011)
305. Discolourization of ammonium lignosulfonate by H₂O₂ activated with Co(acac)₂ immobilized on functionalized silica
M. E. Ignat, V. Dulman, D. Ganju, V. I. Popa
Environmental Engineering and Management Journal, 10, 629-635 (2011)
306. Behaviour under high frequency plasma treatment of some pigments used for painting of religious icons on wood
G. Ioanid, A. Ioanid, D. Rusu, D. Salajejan
European Journal of Science and Theology, 7(1), 79-89 (2011)
307. Photophysical properties of some oligomers with isoelectronic arylenevinylene and aryleneimine structures and triphenylamine or carbazole moieties
T. Ivan, L. Vacareanu, M. Grigoras
Buletinul Institutului Politehnic din Iasi, Sectia Chimie si Inginerie Chimica, 57(1), 119-131 (2011)
308. Maleamic acids cyclodehydration with anhydrides. DFT study in the gas phase and solution
D. Ivanov, D. Maftei, M. A. Constantinescu
Revue Roumaine de Chimie, 56, 89-95 (2011)
309. Transylidation of 3-methylphenacylpyridazinium ylides with phenylisocyanate. Influence of triethylammonium cation over prototropic rearrangement
D. Ivanov, M. Petrovanu, M. Constantinescu
Revue Roumaine de Chimie, 56, 261-268 (2011)
310. The relationship of some polyurethane biocomposites against *Penicillium chrysogenum* and *Aspergillus brasiliensis*
D. Macocinschi, D. Filip, C. Tanase, S. Vlad, A. Oprea, T. Balaes
Optoelectronics and Advanced Materials - Rapid Communications, 5, 677-681 (2011)
311. Ormosils scaffolds produced by laser processing for fibroblast cell growth
A. Matei, M. Dinescu, E. C. Buruiana, T. Buruiana, I. Petcu, C. Mustaciosu
Digest Journal of Nanomaterials and Biostructures, 6, 29-35 (2011)

312. Preparation and characterization of hybrid nanocomposites films
A. Matei, I. Cernica, L. Dumitrescu, D. Perniu, V. Schiopu, I. Popescu
(2011)
Environmental Engineering and Management Journal, 10, 1277-1281 (2011)
313. Tailoring the properties of hybrid methacrylate scaffolds produced via two photon polymerization
A. Matei, M. Zamfirescu, C. Radu, T. Buruiana. E. Buruiana, C. M. Mustaciosu, I. Petcu, M. Radu, A. Kiss, M. Dinescu
E-Health and Bioengineering Conference, EHB 2011, (Nov. 24-26, 2011, Iasi, Romania), Article Number 6150377/1-4 (2011)
314. Silver-polymer composite materials with antibacterial properties
V. Melinte, T. Buruiana, I. D. Moraru, E. C. Buruiana
Digest Journal of Nanomaterials and Biostructures, 6, 213-223 (2011)
315. Novel biocompatible chitosan based multilayer films
M. Mihai
Romanian Biotechnological Letters, 16, 6313-6321 (2011)
316. Stimuli responsive micro-composites tailored by alternate adsorption of weak polyelectrolytes on a microporous membrane
M. Mihai, C. A. Gheorghita, E. S. Dragan
Digest Journal of Nanomaterials and Biostructures, 6, 235-243 (2011)
317. Study of surface changes in polyester mesh
A. Mihailescu, F. Doroftei, C. Mihailescu
Annals of "Dunarea de Jos" University of Galati, Fascicle II, Mathematics, Physics, Theoretical Mechanics, 3(34), (Special Issue), 224-232 (2011)
318. Sustained release for nystatin from polyurethane membranes for biomedical applications
M. Mindru, C. Ciobanu, M. E. Ignat, M. Popa, L. Verestiuc, S. Vlad
Digest Journal of Nanomaterials and Biostructures, 6, 1227-1238 (2011)
319. Clustering in poly(oxyethylene) aqueous solutions
S. Morariu, M. Bercea
Revue Roumaine de Chimie, 56, 545-551 (2011)
320. Unexpected effect of nickel complexes of some histidine-containing peptides on Escherichia Coli
M. Murariu, R. V. Gradinaru, M. Mihai, S. Jurcoane, G. Drochioiu
Romanian Biotechnological Letters, 16, 6242-6246 (2011)
321. Rheological properties and solvent structure of polysaccharide hydrogels studied by molecular dynamic simulations
A. Neamtu, A. M. Oprea, T. Petreus, L. Gorgan, C. Vasile
Analele Stiintifice ale Universitatii "Alexandru Ioan Cuza" din Iasi, Sectiunea Genetica si Biologie Moleculara, 12(1), 95-100 (2011)
322. Anthracene-based acrylamides and methacrylamides as functional monomers: Synthesis and characterization
O. I. Negru, V. Barboiu, M. Grigoras
Acta Chemica Iasi, 19, 101-115 (2011)
323. Diagnosis of type II diabetes based on non-glucose regions of 1H NMR spectra of urine. A metabonomic approach
A. Nicolescu, B. Dolenko, T. Bezabeh, L. I. Stefan, C. Ciurtin, E. Kovacs, I. P. C. Smith, B. C. Simionescu, C. Deleanu
Revista de Chimie, 62, 1150-1153 (2011)
324. Evaluation of the water sorption capacity of some polymeric materials by dynamic
A. Nistor, G. Stiubianu, C. Racles, M. Cazacu
Materiale Plastice, 48, 33-37 (2011)

- vapor sorption
325. Biomaterials based on 2-hydroxyethyl methacrylate: The influence of the initiator type
L. E. Nita, A. P. Chiriac, M. T. Nistor, I. Stoica
Revue Roumaine de Chimie, 56, 537-543 (2011)
326. Xanthan/chondroitin sulfate hydrogels as carrier for drug delivery applications
A. M. Oprea, A. Neamtu, C. Vasile
Analele Stiintifice ale Universitatii "Alexandru Ioan Cuza" din Iasi, Sectiunea Genetica si Biologie Moleculara, 12(2), 97-102 (2011)
327. Microscopic study of lime wood decayed by Chaetomium globosum
C. M. Popescu, C. M. Tibirna, A. Manoliu, P. Gradinariu, C. Vasile
Cellulose Chemistry and Technology, 45, 565-569 (2011)
328. Biomedical applications of maleic anhydride copolymers
I. Popescu, D. M. Suflet, I. M. Pelin, G. C. Chitanu
Revue Roumaine de Chimie, 56, 173-188 (2011)
329. The influence of pressure on acid polyurethane structure
L. M. Popescu, R. M. Piticescu, T. Buruiana
Materiale Plastice, 48, 45-49 (2011)
330. Low dielectric constant polyimides containing alicyclic segments
D. Popovici, C. Hulubei, V. E. Musteata, V. Cozan, M. Bruma, A. Muller
CAS 2011 Proceedings (2011 International Semiconductor Conference, 34th Edition, Oct. 17-19, Sinaia), vol.2, 249-252 (2011)
331. Synthesis and characterization of cyclodextrin polyurethane with scavenging properties
V. O. Potolinca, S. Oprea, A. Ciobanu, N. C. Lungu
Journal of Optoelectronics and Advanced Materials, 13, 1246-1250 (2011)
332. Polysiloxane networks. Synthesis and thermo-mechanical characterization
L. Pricop, A. Durdureanu Angheluta
Materiale Plastice, 48, 308-314 (2011)
333. A study of stress relaxation processes in selected segmented polyurethane elastomers
C. Prisacariu, E. Scortanu
Revue Roumaine de Chimie, 56, 433-437 (2011)
334. Improvement of polyurethane elastomer products performance via control of chemical structure
C. Prisacariu, E. Scortanu, V. A. Prisacariu
Revue Roumaine de Chimie, 56, 425-431 (2011)
335. Surface properties of siloxane-based surfactants containing tromethamol units
C. Racles, M. Alexandru, A. Nistor, M. Cazacu
Revue Roumaine de Chimie, 56, 941-946 (2011)
336. Development and characterization of poly(vinyl alcohol) matrix for drug release
A. Rogojanu, E. Rusu, N. Olaru, M. Dobromir, D. O. Dorohoi
Digest Journal of Nanomaterials and Biostructures, 6, 809-818 (2011)
337. Rheological modifiers of natural origins used in cosmetic formulations
A. Rosu, M. Danu, G. Amarioarei, A. Nanu, C. Ibanescu, M. Lungu
Buletinul Institutului Politehnic din Iasi, Sectia Chimie si Inginerie Chimica, 57(1), 53-63 (2011)
338. Quenching of tryptophan and 4,4'-diaminostilbene fluorescence by dinitrophenyl ethers: Use of 1-allyloxy-2,4-dinitrobenzene as a quencher
E. Rusu, A. Airinei, R. I. Tigoianu
Romanian Biotechnological Letters, 16(Suppl.1), 130-140 (2011)
339. Blue light-emitting polynaphthaleneimides
R. D. Rusu, M. D. Damaceanu, M. Bruma
CAS 2011 Proceedings (2011 International Semiconductor Conference, 34th Edition,

- Oct. 17-19, Sinaia), vol.1, 71-74 (2011)
Cellulose Chemistry and Technology, 45, 329-338 (2011)
340. Alkaline solution swelling of fatty acids-modified softwood kraft pulp fibers under cold plasma conditions
A. Sdrobis, G. Cazacu, M. Totolin, C. Vasile
341. New phosphorus-containing copoly(ester-amide-imide). Synthesis and characterization
D. Serbezeanu, T. Vlad-Bubulac, C. Hamciuc
342. Synthesis and phase transitions of thermotropic liquid crystalline copolyesters with phosphorus-containing pendent bulky groups
D. Serbezeanu, T. Vlad-Bubulac, C. Hamciuc, M. Aflori, M. Bruma
343. Micro-FTIR spectroscopy characterization of monumental stones protective coatings
B. Simionescu, M. Olaru, M. Aflori, F. Doroftei
344. Cellulose modification by crosslinking with siloxane diacids
G. Stiubianu, C. Racles, A. Nistor, M. Cazacu, B. C. Simionescu
345. Modification of water sorption capacity of polydimethylsiloxane based composites by incorporation of lignin
G. Stiubianu, A. Nistor, A. Vlad, M. Cazacu
346. Electro-optical and morphological characterization of PVA foils with sulfathiazole
I. Stoica, E. Angheluta, M. Ivan, A. Farcas, D. O. Dorohoi
347. Preparation and characterization of microcapsules based on phosphorylated curdlan and hydrolyzed collagen
D. M. Suflet, I. Popescu, I. M. Pelin, M. T. Nistor, G. E. Hitruc, F. Doroftei, G. Fundeanu
348. Bioplastics - An overview
F. Tanasa, M. Zanoaga
349. Wood-plastic composites - Interfacial behaviour of chemically modified wood filler
F. Tanase, M. Zanoaga
350. Characterization of some condensation silicone impression materials
O. Tanculescu, D. Timpu, M. Andronache, R. M. Mocanu, A. Doloca
351. Dissolution of natural polymers in ionic liquid
C. A. Teaca, R. Bodirlau, I. Spiridon
352. Modification of cellulose substrates by cold plasma techniques
M. I. Totolin, V. Totolin
353. Thermal behaviour/treatment of some
C. Vasile, C. M. Popescu,
- Annals of "Dunarea de Jos" University of Galati, Fascicle II, Mathematics, Physics, Theoretical Mechanics, 3(34) (Special Issue), 190-198 (2011)
- Annals of "Dunarea de Jos" University of Galati, Fascicle II, Mathematics, Physics, Theoretical Mechanics, 3(34) (Special Issue), 245-250 (2011)
- Buletinul Institutului Politehnic din Iasi, Sectia Chimie si Inginerie Chimica, 57(4), 33-45 (2011)
- Revue Roumaine de Chimie, 56, 33-38 (2011)
- Non-equilibrium Plasma Modifications of Cellulose Materials, M. I. Totolin, V. Totolin, Eds., Ed. PIM, Iasi, 82-131 (2011)
- Cellulose Chemistry and

- vegetable residues. IV. Thermal decomposition of Eucalyptus wood
354. Studiu privind starea de suprafata a rasilor acrilice in raport cu metodele de prelucrare mecanica
355. Antibacterial evaluation of some polyurethane membranes modified by ZnO nanoparticles
356. Preparation of polyurethane microspheres by electrospray technique
357. New recycled polyamide-polyethylene blends with thermoplastic block copolymers as compatibilizers
358. Study on performance of virgin and recycled high density polyethylene-wood composites
359. Cellulose Allomorphs: Structure, Accessibility and Reactivity
360. Compatibilization of Complex Polymeric Systems
361. Plantele medicinale si metalele grele
362. Materiale polimerice inalt performante pe baza de poliimide functionale
363. Sinteza de peptide si interactiunea acestora cu metalele grele
364. Polyurethane Elastomers. From Morphology to Mechanical Aspects
365. Polimeri rezistenti la flacara pe baza de 9,10-dihidro-9-oxa-10-fosafenantren-10-oxid
366. Non-equilibrium Plasma Modifications of Cellulose Materials
367. Aplicatii ale polimerilor in domeniul biosenzorilor
368. Tehnici de masurare si evaluare a destructiilor si proceselor de degradare determinate de factorii de mediu asupra obiectelor de patrimoniu
- M. C. Popescu, M. Brebu, S. Willfor
- A. M. Vitalariu, L. Lazar, T. Buruiana, D. Diaconu, M. S. Tatarciuc
- S. Vlad, C. Ciobanu, R. V. Gradinaru, L. M. Gradinaru, A. Nistor
- S. Vlad, C. Ciobanu, M. Butnaru, D. Macocinschi, D. Filip, L. M. Gradinaru, M. Mandru
- M. Zanoaga, F. Tanasa, N. Busko, A. Barantsova, V. Grishchenko
- M. Zanoaga, F. Tanase
- D. Ciolacu, V. I. Popa
- R. Darie, C. Vasile, M. Kozlowski
- G. Drochioiu, M. Murariu, I. Mangalagiu
- E. Hamciuc, C. Hamciuc
- M. Murariu, G. Drochioiu, E. S. Dragan
- C. Prisacariu
- D. Serbezeanu, I. D. Carja, T. Vlad-Bubulac, C. Hamciuc
- M. I. Totolin, V. Totolin, Eds
- C. Vasile, E. Paslaru, M. Baican
- N. Vornicu, C. Bibire, R. Diaconescu, M. Geba, D. Ivanov
- Technology, 45, 29-42 (2011)
- Revista Medico-Chirurgicala a Societatii de Medici si Naturalisti din Iasi, 115, 542-547 (2011)
- Digest Journal of Nanomaterials and Biostructures, 6, 921-930 (2011)
- Digest Journal of Nanomaterials and Biostructures, 6, 643-652 (2011)
- Annals of "Dunarea de Jos" University of Galati, Fascicle II, Mathematics, Physics, Theoretical Mechanics, 3(34) (Special Issue), 205-212
- Annals of "Dunarea de Jos" University of Galati, Fascicle II, Mathematics, Physics, Theoretical Mechanics, 3(34) (Special Issue), 251-257
- Nova Science Publishers, New York, 2011, 69 p
- LAP Lambert Academic Publishing, Saarbrucken, Germany, 284 p
- Ed. Tehnopress, Iasi, 2011, 143 p
- Ed. Tehnopress, Iasi, 2011, 184 p
- Ed. Tehnopress, Iasi, 2011, 245 p
- Springer, Wien, 2011, 255 p
- Ed. Tehnopress, Iasi, 2011, 193 p
- Ed. PIM, Iasi, 2011, 131 p
- Ed. "Gr. T. Popa" U. M. F. Iasi, 2011, 346 p
- Ed. Doxologia, Iasi, 2011, 238 p