

Lista lucrari 2008

1. M. Aflori
Mass-spectrometry studies in RF-capacitively-coupled discharges
Plasma Physics Research Advances, S. P. Gromov, Ed., Nova Science Publishers, New York, 259-287 (2008)
2. V. Barboiu, M. I. Avadanei
Proposed solution for the Flory-Charlesby equation for crosslinked polymers and application for 1,2-polybutadiene crosslinked with AIBN and aryl diazide
Polymer, 49, 4687-4694 (2008)
3. M. Bercea, J. Eckelt, B. A. Wolf
Random copolymers. Their solution thermodynamics as compared with that of the corresponding homopolymers
Industrial & Engineering Chemistry Research, 47, 2434-2441 (2008)
4. R. Bodirlau, C. A. Teaca, I. Spiridon
Chemical modification of beech wood. Effect on thermal stability
Bioresources, 3, 789-800 (2008)
5. S. Bronnikov, A. Nasonov, C. Racles, V. Cozan
Kinetics of the isotropic-ordered phase transition in binary mixtures of mesogenic monomers and polymers
Soft Materials, 6, 119-128 (2008)
6. M. Bruma, M. D. Damaceanu
Polyimides containing 1,3,4-oxadiazole rings
Collection of Czechoslovak Chemical Communications, 73, 1631-1644 (2008)
7. C. E. Brunchi, M. Bercea, S. Morariu
The behavior of polyacrylonitrile solutions in dimethylformamide at very low concentrations
High Performance Polymers, 20, 311-322 (2008)
8. P. Budrigeac, C. Racles, V. Cozan, M. Cazacu
Thermal and thermo-oxidative stabilities of some poly(siloxane-azomethine)s
Journal of Thermal Analysis and Calorimetry, 92, 263-269 (2008)
9. S. Buraga, T. Rusu, M. Cioca
Semantic Web-based agent applications - from design to collaborative deployment
Innovative Production and Systems (Third I*PROMS Virtual Conference 2nd-13th July 2007), D. T. Pham, E. E. Eldukhri, A. J. Soroka, Eds. Whittles Publishing, Dunbeath, UK, 49-54 (2008)
10. E. C. Buruiana, M. Zamfir, T. Buruiana
Dansylated acrylic copolymer with potential for sensor applications. Synthesis and properties
Journal of Polymer Science, Part A: Polymer Chemistry, 46, 3774-3782 (2008)
11. E. C. Buruiana, M. Kowalcuk, G. Adamus, Z. Jedlinski
Designing of dipeptide-based oligoconjugates as potential carrier for drug delivery.
Pyroglutamil-S-glutamic acid bisoligo-3-hydroxybutyrates
Journal of Polymer Science, Part A: Polymer Chemistry, 46, 4103-4111 (2008)
12. E. C. Buruiana, T. Buruiana, V. Melinte
Developments on photopolyurethanes and its various applications
Advances in Functional Heterochain Polymers, M. Cazacu, Ed., Nova Science Publ., New York, 149-186 (2008)
13. E. C. Buruiana, L. Hahui, T. Buruiana, L. Urech, T. Lippert
New polyacrylates with photosensitive triazene groups designed for laser ablation. Synthesis, structure and properties
Journal of Photochemistry and Photobiology, Part A: Chemistry, 195, 337-345 (2008)
14. E. C. Buruiana, V. Melinte, T. Buruiana, B. C. Simionescu
Synthesis and properties of new poly(urethane-acrylates) with pendant triazene moieties
Designed Monomers and Polymers, 11, 423-433 (2008)
15. N. Busko, F. Tanasa, A. Barantsova, M. Zanoaga, V. Grischenko
Study of properties of some new thermoplastic block copolymers and their corresponding blends with secondary polyethylene
Polymer Testing, 27, 807-817 (2008)
16. G. Carja, G. C. Chitanu, Y. Kameshima, H. Chiriac, K. Okada
LDH-maleic anhydride copolymers as new hybrid materials and their textural organization
Applied Clay Science, 41, 107-112 (2008)
17. M. Cazacu, A. Vlad, G. Munteanu, A. Airinei

- Multifunctional materials based on polyazomethines derived from 2,5-dihydroxy-1,4-benzoquinone and siloxane diamines
Journal of Polymer Science, Part A: Polymer Chemistry, 46, 1862-1872 (2008)
18. M. Cazacu
Polymers containing Si, O and other elements within the backbone
Advances in Functional Heterochain Polymers, M. Cazacu, Ed., Nova Science Publ., New York, 1-32 (2008)
19. M. Cazacu, A. Vlad, A. Airinei, M. Alexandru
Silica encapsulating lanthanum complexes by sol-gel technique
Polymer International, 57, 1067-1074 (2008)
20. D. Ciolacu, F. Ciolacu, V. I. Popa
Supramolecular structure - A key parameter for cellulose biodegradation
Macromolecular Symposia, 272, 136-142 (2008)
21. S. Coseri
N-Hydroxypythalimide (NHPI)/lead tetraacetate, a peculiar system for the phthalimide-N-oxyl (PINO) radical generation
Mini-Reviews in Organic Chemistry, 5, 222-227 (2008)
22. A. I. Cosutchi, C. Hulubei, I. Stoica, M. Dobromir, S. Ioan
Structural and dielectric properties of some epilon-based polyimide films
e-Polymers, Paper No. 068, 1-15 (2008)
23. V. Cozan, L. Marin
Thermotropic liquid crystalline polyazomethines
Advances in Functional Heterochain Polymers, M. Cazacu, Ed., Nova Science Publ., New York, 67-115 (2008)
24. M. Cristea, C. Gaina, D. Gheorghiu Ionita, V. Gaina
Dynamic mechanical analysis on modified bismaleimide resins
Journal of Thermal Analysis and Calorimetry, 93, 69-76 (2008)
25. M. Cristea, D. Gheorghiu Ionita, M. Bruma, B. C. Simionescu
Thermal behavior of aromatic polyamic acids and polyimides containing oxadiazole groups
Journal of Thermal Analysis and Calorimetry, 93, 63-68 (2008)
26. F. Crivoi, C. Vasile, N. Anghel, I. Spiridon
Degradation of low density polyethylene/starch blends under an enzymatic complex or soil microorganisms action
Polymers Research Journal, 2, 89-108 (2008)
27. C. Cruz, J. L. Figueirinhas, D. Filip, G. Feio, A. C. Ribeiro, Y. Frere, T. Meyer, G. H. Mehl
Biaxial nematic order and phase behavior studies in an organosiloxane tetrapode using complementary deuterium NMR experiments
Physical Review E, 78, 051702/1-051702/16 (2008)
28. S. Curteanu, A. Dumitrescu, C. Mihailescu, B. Simionescu
Neural network modelling applied to polyacrylamide based hydrogels synthetized by single step process
Polymer Plastics Technology and Engineering, 47, 1061-1071 (2008)
29. S. Curteanu, M. Cazacu
Neural networks and genetic algorithms used for modeling and optimization of the siloxane-siloxane copolymers synthesis
Journal of Macromolecular Science, Part A: Pure and Applied Chemistry, 45, 23-36 (2008)
30. G. David, B. C. Simionescu, A. C. Albertsson
Rapid deswelling response of poly(N-isopropylacrylamide)/poly(2-alkyl-2-oxazoline)/poly(2-hydroxyethylmethacrylate) hydrogels
Biomacromolecules, 9, 1678-1683 (2008)
31. D. Dimonie, C. Radovici, G. Vasilevici, M. C. Popescu, S. Garea
The dependence of the XRD morphology of some bionanocomposites on the silicate treatment
Journal of Nanomaterials, volume 2008, Article ID538421, 1-7 (2008)
32. M. V. Dinu, E. S. Dragan
Heavy metals adsorption on some iminodiacetate chelating resins as a function of the adsorption parameters
Reactive and Functional Polymers, 68, 1346-1354 (2008)
33. A. Duta, C. Bogatu, G. C. Chitanu, M. I. Pelin
Electrochemical deposition of Ni-based thin film cermets using polymeric additives
Physica Status Solidi (c), 5, 3530-3534 (2008)

34. E. S. Dragan, I. A. Dinu
Removal of azo dyes from aqueous solution by coagulation/flocculation with strong polycations
Research Journal of Chemistry and Environment, 12, 5-11 (2008)
35. G. Drochioiu, M. Manea, M. Murariu, K. Popa, R. Gradinaru, M. Przybylski
Metal-induced changes of amyloid proteins associated with neurodegenerative diseases
Metal Ions in Biology and Medicine, P. Collery, I. Maynard, T. Theophanides, L. Khassanova, T. Collery, Eds., John Libbey Eurotext, Paris, vol. 10, 664-669 (2008)
36. G. Drochioiu, K. Popa, D. Humelnicu, M. Murariu, I. Sandu, A. Cecal
Comparison of various sensitive and selective spectrophotometric assays of environmental cyanide
Toxicological and Environmental Chemistry, 90 221-235 (2008)
37. C. N. Dunceanu, C. Vasile
Interpolymeric associations between alginic acid and poly(N-isopropylacrylamide), poly(ethylene glycol) and polyacrylamide
Polymers Research Journal, 2, 181-200 (2008)
38. D. Enescu, C. E. Olteanu
Functionalized chitosan and its use in pharmaceutical, biomedical and biotechnological research
Chemical Engineering Communications, 195, 1269-1291 (2008)
39. A. Farcas, I. Ghosh, N. Jarroux, V. Harabagiu, P. Guegan, W. M. Nau
Morphology and properties of a polyrotaxane based on γ -cyclodextrin and a polyfluorene copolymer
Chemical Physics Letters, 465, 96-101 (2008)
40. A. Farcas, N. Jarroux, P. Guegan, A. Fifere, M. Pinteala, V. Harabagiu
Polyfluorene copolymer with a multiply blocked rotaxane architecture in the main chain:
Synthesis and characterization
Journal of Applied Polymer Science, 110, 2384-2392 (2008)
41. O. Fichet, A. Benkhaled, V. Harabagiu, P. Guegan, D. Teyssie
Trimethylsilyl permodified cyclodextrins. Hydrolysis at the air-water interface
Thin Solid Films, 516, 1748-1754 (2008)
42. G. Fundueanu, M. Constantin, P. Ascenzi
Preparation and characterization of pH- and temperature-sensitive pullulan microspheres for controlled release of drugs
Biomaterials, 29, 2767-2775 (2008)
43. C. Gaina, V. Gaina
Bismaleimide-based addition polyimides
Advances in Functional Heterochain Polymers, M. Cazacu, Ed., Nova Science Publ., New York, 229-271 (2008)
44. C. Gaina, V. Gaina
New functional maleimides and citraconimides for amide, urea or parabanic aromatic bismaleimides
Designed Monomers and Polymers, 11, 319-334 (2008)
45. C. Gaina, V. Gaina
Synthesis of new polyimides with 1,2,3-triazole units
e-Polymers, Paper No. 165, 1-13 (2008)
46. V. Gaina, C. Gaina
Synthesis and characterization of new monomers containing maleimide and propargyl groups
Designed Monomers and Polymers, 11, 335-346 (2008)
47. M. Grigoras, V. M. Mercore (Teodor), I. Cianga, Y. Yagci
(Hetero)arylene polymers having polystyrene chains as branches
Macromolecular Symposia, 263, 38-46 (2008)
48. M. Grigoras
Heteroatom-containing conjugated polymers
Advances in Functional Heterochain Polymers, M. Cazacu, Ed., Nova Science Publ., New York, 117-147 (2008)
49. M. Grigoras, G. C. Chitanu, I. Popescu, I. M. Pelin, G. A. Rimbu
Polyaniline/maleic acid copolymers composites: Synthesis and characterization
Macromolecular Symposia, 263, 30-37 (2008)
50. M. Grigoras, M. Sava, G. Colotin, C. I. Simionescu
Synthesis and thermal behavoiur of some anthracene-based copolymers obtained by Diels-

- Alder cycloaddition reactions
 Journal of Applied Polymer Science, 107, 846-853 (2008)
51. B. Hajduk, J. Weszka, V. Cozan, B. Kaczmarczyk, B. Jarzabek, M. Domanski
 Optical properties of polyazomethine with oxygen atom in the backbone
 Archives of Materials Science and Engineering, 32, 85-88 (2008)
52. C. Hamciuc, E. Hamciuc, A. M. Istrate, L. Okrasa
 Copoly(1,3,4-oxadiazole-ether)s containing phthalide groups and thin films made therefrom
 Polymer, 49, 681-690 (2008)
53. C. Hamciuc, E. Hamciuc, M. Cazacu, L. Okrasa
 Poly(ether-imide) and poly(ether-imide)-polydimethylsiloxane containing isopropylidene groups
 Polymer Bulletin, 59, 825-832 (2008)
54. C. Hamciuc, T. Vlad-Bubulac, O. Petreus, G. Lisa
 Synthesis and characterization of new aromatic polyesters and poly(ester-imide)s containing phosphorous cyclic bulky groups
 Polymer Bulletin, 60, 657-664 (2008)
55. C. Hamciuc, A. M. Istrate, E. Hamciuc, G. Lisa
 Thermal degradation kinetics of some aromatic poly(1,3,4-oxadiazole-ether)s
 High Performance Polymers, 20, 296-310 (2008)
56. E. Hamciuc, C. Hamciuc
 Poly(ether imide)s for high performance materials
 Advances in Functional Heterochain Polymers, M. Cazacu, Ed., Nova Science Publ., New York, 187-228 (2008)
57. N. Hurduc, R. Enea, A. M. Resmerita, I. Moleavin, M. Cristea, D. Scutaru
 Modified azo-polysiloxanes for complex photosensitive supramolecular systems
 Silicon Based Polymers. Advances in Synthesis and Supramolecular Organization, F. Ganachaud, I. Boileau, B. Boury, Eds., Springer, 65-83 (2008)
58. M. Ignat, A. Farcas, A. Vasile, E. Popovici
 Calixarene-modified multiwall carbon nanotubes
 Studies in Surface Science and Catalysis, 174, 389-392 (2008)
59. S. Ioan, M. Lupu, V. Epure, A. Ioanid, D. Macocinschi
 Macromolecular assemblies of segmented poly(ester urethane)s and poly(ether urethane)s
 Journal of Applied Polymer Science, 107, 1414-1422 (2008)
60. L. Isac, A. Dută, E. Purghel, G. C. Chitanu, S. Mitrea, I. Pelin
 Tailoring alumina thin film properties usig hydrophilic/hydrophobic copolymer additives
 Physica Status Solidi (a), 205, 2413-2416 (2008)
61. L. M. Ivan, M. Aflori, G. Amarandei, D. G. Dimitriu
 Simultaneous excitation of concentric and nonconcentric multiple double layers in plasma
 IEEE Transactions on Plasma Science, 36, 1396-1397 (2008)
62. S. Jipa, T. Zaharescu, R. Setnescu, E. S. Dragan, M. V. Dinu
 Thermal and radiochemical degradation of some PAN copolymers
 Materials Chemistry and Physics, 112, 612-616 (2008)
63. P. T. Larson, C. M. Popescu, C. Vasile
 A comparative CP/MAS ^{13}C -NMR and XRD study of the cellulose supramolecular structure in softwood kraft pulp fibers
 Papiripar, 52, 235-237 (2008)
64. D. Macocinschi, D. Filip, S. Vlad
 New polyurethanes materials from renewable resources: Synthesis and characterization
 e-Polymers, Paper No. 062, 1-12 (2008)
65. N. Marangoci, A. Farcas, M. Pinteala, V. Harabagiu, B. C. Simionescu, T. Sukhanova, S. Bronnikov, A. Grigoryev, G. Gubanova, M. Perminova, A. Perrichaud
 Polyrotaxanes composed of β -cyclodextrins and polydimethylsiloxanes: Synthesis, morphology and thermal behavior
 High Performance Polymers, 20, 251-260 (2008)
66. N. Marangoci, A. Fifere, A. Farcas, V. Harabagiu, M. Pinteala, B. C. Simionescu, A. Perichaud
 Synthesis and characterization of polyrotaxanes based on cyclodextrins and viologen-modified polydimethylsiloxanes
 High Performance Polymers, 20, 553-566 (2008)
67. G. Mocanu, D. Mihai, M. Legros, L. Picton, D. Lecerf
 New polysaccharides-based microparticles crosslinked with siloxane. Interactions with biologically active substances

- Journal of Bioactive and Compatible Polymers, 23, 82-94 (2008)
68. S. Morariu, M. Bercea, C. Hulubei
Rheological investigations of copolymers of N-(substituted maleimide)s with styrene in dimethylsulfoxide
- Journal of Macromolecular Science, Part B: Physics, 47, 1108-1116 (2008)
69. R. M. Moriarty, S. Tyagi, D. Ivanov, M. Constantinescu
The mechanism of 1,4 alkyl group migration in hypervalent halonium ylides. The stereochemical course
- Journal of American Chemical Society, 130, 7564-7565 (2008)
70. G. Moroi
Preparation and characterization of polyesterurethane/copper metallocopolymers
- Reactive and Functional Polymers, 68, 268-283 (2008)
71. M. Murariu, E. S. Dragan, M. Manea, G. Drochioiu
Metal ion binding to peptides involved in the neurodegenerative diseases: a model metal-peptide complex
- Metal Ions in Biology and Medicine, P. Collery, I. Maynard, T. Theophanides, L. Khassanova, T. Collery, Eds., John Libbey Eurotext, Paris, vol .10, 701-707 (2008)
72. F. R. Mustata, I. G. Bicu
Synthesis and properties of multiallyl maleate resins from epoxy formaldehyde resins
- Industrial & Engineering Chemistry Research, 47, 1355-1364 (2008)
73. F. Mustata, I. Bicu
The effect of some Diels-Alder adducts of resin acids on the process of epoxy resin curing
- Polimery, 53, 108-114 (2008)
74. A. G. Nasonov, S. V. Bronnikov, K. Raklesh
The kinetics of nematic phase separation on cooling the isotropic phase of mesogenic siloxane-azomethine polyethers
- Russian Journal of Physical Chemistry, 82, 554-557 (2008)
75. A. G. Nasonov, V. Cozan, S. V. Bronnikov
The kinetics of nematic phase size growth during the phase transition in an isotropic melt of liquid crystalline azomethine dimer
- Russian Journal of Physical Chemistry, 82, 1814-1818 (2008)
76. V. Neagu, I. Bunia, W. H. Holl
Comparative study of the removal of Co^{2+} ions from water by commercial and novel ion exchangers
- Recent Advances in Ion Exchange Theory and Practice (Proceedings of IEX 2008), M. Cox, Ed., Society of Chemical Industry (SCI), London, 411-418 (2008)
77. V. Neagu, C. Luca, S. Vasiliu
Novel bipolar resins. Synthesis and their retention properties of inorganic salts
- Recent Advances in Ion Exchange Theory and Practice (Proceedings of IEX 2008), M. Cox, Ed., Society of Chemical Industry (SCI), London, 419-426 (2008)
78. A. M. Necula, N. Olaru, L. Olaru, S. Ioan
Influence of the substitution degree on the dilute solution properties of cellulose acetate
- Journal of Macromolecular Science, Part B: Physics, 47, 913-928 (2008)
79. G. Negroiu, R. M. Piticescu, G. C. Chitanu, I. N. Mihailescu, L. Zdrentu, M. Miroiu
Biocompatibility evaluation of a novel hydroxyapatite-polymer coating for medical implants (in vitro tests)
- Journal of Materials Science: Materials in Medicine, 19, 1537-1544 (2008)
80. M. Nichifor, M. Bastos, S. Lopes, A. Lopes
Characterization of aggregates formed by hydrophobically modified cation dextran and sodium alkyl sulfates in salt-free aqueous solutions
- Journal of Physical Chemistry B, 112, 15554-15561 (2008)
81. L. E. Nita, A. P. Chiriac, S. Cimmino, C. Silvestre, D. Duraccio, C. Vasile
Polymerization in magnetic field. XIX. Thermal behavior of the copolymers of methyl methacrylate with glycidyl methacrylate synthesized in the magnetic field presence
- The Open Macromolecules Journal, 2, 26-31 (2008)
82. L. E. Nita, A. P. Chiriac, S. Cimmino, C. Silvestre, D. Duraccio, C. Vasile
Polymerization in magnetic field. XVIII. Influence of surfactant nature on the synthesis and thermal properties of poly(methyl methacrylate) and poly[(methyl methacrylate)-co-(epoxypropyl methacrylate)]
- Polymer International, 57, 342-349 (2008)

83. Y. Nur, D. G. Colak, I. Cianga, Y. Yagci, J. Hacaloglu
Direct pyrolysis mass spectrometry studies on thermal degradation characteristics of poly(phenylene vinylene) with well-defined PSt side chains
Journal of Thermal Analysis and Calorimetry, 94, 157-162 (2008)
84. Y. Nur, D. G. Colak, I. Cianga, Y. Yagci, J. Hacaloglu
Pyrolysis of poly(phenylene vinylene)s with polycaprolactone side chains
Polymer Degradation and Stability, 93, 904-909 (2008)
85. S. Oprea
Effect of the diisocyanate and chain extenders on the properties of the crosslinked polyetherurethane elastomers
Journal of Materials Science, 43, 5274-5281 (2008)
86. S. Oprea, C. Ciobanu
Effect of the temperature of polyurethane wet-casting membrane formation on the physico-mechanical properties
High Performance Polymers, 20, 208-220 (2008)
87. S. Oprea
Effects of fillers on polyurethane resin-based polyurethane elastomeric bearing materials for passive isolation
Journal of Composite Materials, 42, 2673-2685
88. M. M. Ozmen, M. V. Dinu, O. Okay
Preparation of macroporous poly(acrylamide) hydrogels in DMSO/water mixture at subzero temperatures
Polymer Bulletin, 60, 169-180 (2008)
89. M. C. Pascu, M. C. Popescu, C. Vasile
Surface modifications of some nanocomposites containing starch
Journal of Physics D: Applied Physics, 41, 175407/1-12 (2008)
90. O. Petreus, T. Vlad-Bubulac, C. Hamciuc
New polyesterimides containing bulky, cyclic phosphorus groups
High Performance Polymers, 20, 588-600 (2008)
91. R. M. Piticescu, G. C. Chitanu, A. Meghea, M. Giurginca, G. Negroiu, L. M. Popescu
Comparative study of in situ interactions between maleic anhydride based copolymers with hydroxyl apatite
Key Engineering Materials, 361-363 (Bioceramics 20), 387-390 (2008)
92. K. Popa, M. Murariu, A. Cecal, G. Drochioiu
Protective role of cystine against the radiotoxic cations within several germination experiments Metal Ions in Biology and Medicine, P. Collery, I. Maynard, T. Theophanides, L. Khassanova, T. Collery, Eds., John Libbey Eurotext, Paris, vol. 10, 838-842 (2008)
93. V. I. Popa, M. Dumitru, I. Volf, N. Anghel
Lignin and polyphenols as allelochemicals
Industrial Crops and Products, 27, 144-149 (2008)
94. I. Popescu, M. I. Popa, G. C. Chitanu
Supramolecular systems from natural polymers and maleic polyelectrolytes
Macromolecular Symposia, 272, 125-131 (2008)
95. F. Potmischi, M. Marinescu, A. Nicolescu, C. Deleanu, M. Hillebrand
Hydroacridines. 29. ^{15}N NMR chemical shifts of 9-substituted 1,2,3,4,5,6,7,8-octahydroacridines and their N-oxides - Taft, Swain-Lupton, and other types of linear correlations
Magnetic Resonance in Chemistry, 46, 1141-1147 (2008)
96. C. Prisacariu, E. Scortanu
Infrared dichroic studies of phase separation and orientation of dibenzyl segments in polyurethane
High Performance Polymers, 20, 117-125 (2008)
97. C. Prisacariu, E. Scortanu, P. C. Buckley
New developments in thermoplastic elastomers. The hard segment inelastic effects on the mechanical performance of polyurethane elastomers
Proceedings of the World Congress on Engineering 2008, WCE 2008, 2-4 July, 2008, London, U.K., vol. II, 1468-1471 (2008)
98. C. Racles, M. Cazacu, A. Ioanid, A. Vlad
Micelization of a siloxane-based segmented copolymer in organic solvents and its use as a tool for metal complex nanoparticles
Macromolecular Rapid Communications, 29, 1527-1531 (2008)

99. C. Racles
Siloxane-containing liquid crystalline polymers (LCPs)
Advances in Functional Heterochain Polymers, M. Cazacu, Ed., Nova Science Publ., New York, 33-66 (2008)
100. C. Racles, M. Cazacu
Siloxane-containing liquid-crystalline supramolecular polymers. Preparation and study of thermotropic behavior
Journal of Applied Polymer Science, 109, 4000-4009 (2008)
101. I. E. Raschip, I. Yakimets, C. P. Martin, S. S. Paes, C. Vasile, J. R. Mitchell
Effect of water content on thermal acid dynamic mechanical properties of xanthan powder. A comparison between standard and novel techniques
Powder Technology, 182, 436-443 (2008)
102. I. A. Ronova, E. A. Sokolova, M. Bruma
Influence of chemical structure of the repeating unit on physical properties of aromatic polymers containing phenylquinoxaline rings
Journal of Polymer Science, Part B: Polymer Physics, 46, 1868-1877 (2008)
103. D. Rosu, L. Rosu, C. N. Cascaval
Effect of ultraviolet radiation on vinyl ester network based on bisphenol A
Journal of Photochemistry and Photobiology A: Chemistry, 194, 275-282 (2008)
104. D. Rosu, C. N. Cascaval, L. Rosu
Synthesis and characterization of some composites with bioactive properties on the basis of vinyl ester resins
e-Polymers, Paper No. 105, 1-10 (2008)
105. L. Rosu, C. Ciobanu, D. Rosu, C. N. Cascaval
Preparation and characterization of silver sulfathiazole-epoxy resin networks
Polimery, 53, 644-648 (2008)
106. E. Rusu, D. O. Dorohoi, A. Airinei
Solvatochromic effects in the absorption spectra of some azobenzene compounds
Journal of Molecular Structure, 887, 216-219 (2008)
107. L. Sacarescu, I. Mangalagiu, M. Simionescu, G. Sacarescu, R. Ardeleanu
Polysilanes. A new route toward high performance EL devices
Macromolecular Symposia, 267, 123-128 (2008)
108. L. Sacarescu, A. Sioku, G. Sacarescu, M. Simionescu, I. Mangalagiu
Methylhydrosilyl chemostructural effects in polyhydrosilanes
Macromolecules, 41, 1019-1024 (2008)
109. L. Sacarescu
Non-shrinking polycyclocarbosiloxane networks
Polymer Bulletin, 59, 873-882 (2008)
110. I. E. Sajo, L. Kotai, G. Keresztury, I. Gacs, G. Pokol, J. Kristof, B. Soptrayanov, V. M. Petrushevski, D. Timpu, P. K. Sharma
Studies on the chemistry of tetraaminezinc (II) dipermanganate ($[Zn(NH_3)_4](MO_4)_2$): Low temperature synthesis of the manganese zinc oxide ($ZnMn_2O_4$) catalyst precursor
Helvetica Chimica Acta, 91, 1646-1658 (2008)
111. I. Sava, A. M. Resmerita, G. Lisa, V. Damian, N. Hurduc
Synthesis and photochromic behavior of new polyimides containing azobenzene side groups
Polymer, 49, 1475-1482 (2008)
112. M. Sava, S. Vlad
Synthesis and properties of some poly(aminobismaleimide)s. Thermal and mechanical characterization
e-Polymers, Paper No. 046, 1-11 (2008)
113. F. Secundo, J. Miehe-Brendle, C. Chelaru, E. E. Ferrandi, E. Dumitriu
Adsorption and activities of lipases on synthetic beidellite clays with variable composition
Microporous and Mesoporous Materials, 109, 350-361 (2008)
114. F. Simon, E. S. Dragan, F. Bucataru
Reactive polyelectrolyte multilayers onto silica particles
Reactive and Functional Polymers, 68, 1178-1184 (2008)
115. I. Spiridon, M. C. Popescu, R. Bodirlau, C. Vasile
Enzymatic degradation of some nanocomposites of poly(vinyl alcohol) with starch
Polymer Degradation and Stability, 93, 1884-1890 (2008)
116. I. Spiridon, V. I. Popa

- Hemicelluloses: Major sources, properties and applications
 Monomers, Polymers and Composites from Renewable Resources, M. N. Belgacem, A. Gandini, Eds., Elsevier, 289-304 (2008)
117. M. Spulber, M. Pinteala, A. Fifere, V. Harabagiu, B. C. Simionescu
 Inclusion complexes of 5-flucytosine with β -cyclodextrin and hydroxypropyl- β -cyclodextrin.
 Characterization in aqueous solution and solid state
Journal of Inclusion Phenomena and Macrocyclic Chemistry, 62, 117-125 (2008)
118. M. Spulber, M. Pinteala, V. Harabagiu, B. C. Simionescu
 Inclusion complexes of sulconazole with β -cyclodextrin and hydroxy- β -cyclodextrin.
 Characterization in aqueous solution and solid state
Journal of Inclusion Phenomena and Macrocyclic Chemistry, 61, 41-51 (2008)
119. M. Spulber, M. Pinteala, A. Fifere, C. Moldoveanu, I. Mangalagiu, V. Harabagiu, B. C. Simionescu
 Water soluble complexes of methyl β -cyclodextrin and sulconazole nitrate
Journal of Inclusion Phenomena and Macrocyclic Chemistry, 62, 135-142 (2008)
120. T. E. Sukhanova, M. P. Perminova, S. V. Bronnikov, A. I. Grigorev, A. Y. Volkov, G. N. Gubanova, A. A. Kutin, N. Marangoci, M. Pinteala, V. Harabagiu, B. Simionescu
 Structure and thermal properties of polyrotaxanes derived from gamma-cyclodextrin and modified polydimethylsiloxane
Russian Journal of Applied Chemistry, 81, 2145-2150 (2008)
121. T. Taki, D. Ishikawa, K. Ogino, M. Tanaka, N. Oku, T. Asai, I. Popa, J. Portoukalian
 A new approach for drug discovery from glycobiology and phage-displayed peptide library technology
Biochimica et Biophysica Acta - General Subjects, 1780, 497-503 (2008)
122. C. A. Teaca, R. Bodirlau
 Assessment of toxicity of industrial wastes using crop plant assays
Bioresources, 3, 1130-1145 (2008)
123. C. A. Teaca, R. Bodirlau, I. G. Breaban
 Effect of wood waste disposal on dynamics of soil chemistry and wood biopolymers in a forest area situated on Bistrita and Bicaz Valey, Neamt County, Romania
Electronic Journal of Environmental, Agricultural and Food Chemistry, 7, 2695-2705 (2008)
124. N. Tudorachi, A. P. Chiriac
 Magnetic composite based on vinylic template
Journal of Applied Polymer Science, 108, 3690-3695 (2008)
125. N. Tudorachi
 Synthesis of antimicrobial polymer composition and in vitro drugs release study
e-Polymers, Paper No. 131, 1-12 (2008)
126. I. Untea, S. Stefan, M. Stefan, V. Neagu, C. Luca
 Retention of Hg^{2+} from aqueous solutions by sorption on new amide functionalized copolymers.
 Thermodynamic and kinetics experimental data
Recent Advances in Ion Exchange Theory and Practice (Proceedings of IEX 2008), M. Cox, Ed., Society of Chemical Industry (SCI), London, 275-282 (2008)
127. C. Vasile, M. A. Brebu, M. Totolin, J. Yanik, T. Karayildirin, H. Darie
 Feedstock recycling from the printed circuit boards of used computers
Energy & Fuels, 22, 1658-1665 (2008)
128. S. Vasiliu, M. Popa, C. Luca
 Evaluation of retention and release processes of two antibiotics from the biocompatible core-shell microparticles
European Polymer Journal, 44, 3894-3898 (2008)
129. A. Vlad, M. Cazacu, G. Munteanu, A. Airinei, P. Budrigeac
 Polyazomethines derived from polynuclear dihydroxyquinones and siloxane diamines
European Polymer Journal, 44, 2668-2677 (2008)
130. S. Vlad, S. Oprea
 Chain extender and diisocyanate amount effects on the thermal, mechanical and wettability properties of some polyurethane elastomers
e-Polymers, Paper No. 027, 1-10 (2008)
131. M. Aflori, D. O. Dorohoi, D. G. Dimitriu
 Spectrophotometric measurements in a rf capacitively-coupled oxygen discharge
Optoelectronics and Advanced Materials - Rapid Communications, 2, 478-481 (2008)
132. M. Aflori, M. Drobota, D. Timpu, V. Barboiu

- Studies of amine treatments influence on poly(ethyleneterephthalate) films
Optoelectronics and Advanced Materials - Rapid Communications, 2, 291-295 (2008)
133. G. E. Agafitei, M. Pascu, G. Cazacu, C. Vasile
- Degradation of polyvinyl chloride (PVC)/hydrolyzed collagen (HC) blends active sludge test
Revista Medico-Chirurgicala a Societatii de Medici si Naturalisti Iasi, 112, 530-537 (2008)
134. D. A. M. Androne, D. O. Dorohoi, D. Timpu
- Physical methods of identification of the feldspars from granitic pegmatites
Romanian Journal of Physics, 53, 279-286 (2008)
135. E. Avram
Chemically modified polysulfones with (N-phenacyl and N-alkylacetate)-4,4'-bipiridinium bromide derivatives as pendent groups
Materiale Plastice, 45, 241-245 (2008)
136. E. Avram, E. S. Dragan, G. E. Ioanid
Morphological changes induced by the chloromethylation reaction as a function of the chloromethylation conditions with TMCS/(CH₂O)_n
Journal of Optoelectronics and Advanced Materials, 10, 613-617 (2008)
137. E. Avram, G. Lisa
Thermal degradation behaviour and kinetic analysis of polystyrene with pendent viologen groups
Revue Roumaine de Chimie, 53, 759-768 (2008)
138. T. Balau Mindru, V. Tura, F. Tofoleanu, V. Floristean, I. Balau Mindru, C. Ciobanu
Monitorization of bacterial contamination of polyurethane artificial skin
Buletinul Institutului Politehnic din Iasi, Sectia Textile, Pielarie, 54(1/2), 73-82 (2008)
139. M. Bercea, S. Morariu, C. E. Brunchi
Influence of non-solvent on the gelation phenomenon of polymer solutions
Revue Roumaine de Chimie, 53, 769-776 (2008)
140. R. Bodirlau, C. A. Teaca
Softwood chemical modification by reaction with organic anhydrides
Revue Roumaine de Chimie, 53, 1059-1064 (2008)
141. M. V. Bogatian, M. Vinatoru, G. Bogatian, F. Chiraleu, M. Godeanu, C. Deleanu
Artificial membranes by the self-assembly of pyridinium salts with a free amino group derived from pyrylium salts with long alkyl substituents
Revue Roumaine de Chimie, 53, 813-819 (2008)
142. M. V. Bogatian, A. Hirtopeanu, A. Nicolescu, F. Chiraleu, M. Maganu, M. Vinatoru, D. Simion, C. Deleanu
Pyrylium salts with long alkyl substituents and derived pyridinium salts
Revue Roumaine de Chimie, 53, 431-437 (2008)
143. M. Bruma
Aromatic polyoxadiazoles with silicon in the main chain
Revue Roumaine de Chimie, 53, 343-355 (2008)
144. M. Bruma, I. Sava, M. D. Damaceanu, N. M. Belomoina, J. Robison
New polyimides containing siloxane groups in the main chain
Revue Roumaine de Chimie, 53, 803-811 (2008)
145. M. Bruma, M. D. Damaceanu, M. Cristea, C. Buiculescu
Polyimides with oxadiazole rings and thin films based on them
CAS 2008 Proceedings (2008 International Semiconductor Conference, 31st Edition, Oct. 13-15, 2008, Sinaia), vol.1, 263-266 (2008)
146. M. Bruma
Polyphenylquinoxalines containing hexafluoroisopropylidene groups
Revue Roumaine de Chimie, 53, 5-13 (2008)
147. C. E. Brunchi, S. Morariu, M. Bercea,
Influence of temperature on dynamic behavior of polyacrylonitrile in dimethylformamide
Revue Roumaine de Chimie, 53, 35-41 (2008)
148. R. Buhaceanu, I. Sarghie, A. Barsanescu, I. Bunia
Sorption of Ni(II) on acrylic polymers functionalized with triethylenetetramine
Analele Stiintifice ale Universitatii "Al. I. Cuza" din Iasi, Seria Chimie, 16, 31-45 (2008)
149. T. Buruiana, E. C. Buruiana, V. Melinte, V. Pohoata, C. Prejmerean, M. Moldovan
New urethane dimethacrylates for testing in dental applications. Relational aspects in chemistry and photochemistry of composite materials
Journal of Optoelectronics and Advanced Materials, 10, 969-974 (2008)

150. C. N. Cascaval, A. Mija
Liquid crystalline epoxy thermosets
Materiale Plastice, 45, 339-344 (2008)
151. C. N. Cheaburu, C. Vasile
Responsive freeze-drying interpolymeric associations of alginic acid and poly(N-isopropyl acrylamide). II. Transition and temperature dependence on pH and composition
Cellulose Chemistry and Technology, 42, 207-212 (2008)
152. C. I. Chiriac, F. Tanasa, M. Nechifor
A new alternative method for the synthesis of cinnamic acids from aromatic aldehydes and zinc acetate
Revue Roumaine de Chimie, 53, 833-836 (2008)
153. G. C. Chitanu, I. Popescu, I. M. Pelin, I. M. Avadanei
Synthesis and characterization of maleic anhydride copolymers and their derivatives. 4.
Synthesis and characterization of maleic anhydride-acrylonitrile copolymers
Revue Roumaine de Chimie, 53, 577-583 (2008)
154. D. Ciolacu, G. Cazacu
New polymeric networks. Characterization and physical properties
Revista Medico-Chirurgicala a Societatii de Medici si Naturalisti Iasi, 112 (2, Supl.1), 145-149 (2008)
155. D. Ciolacu, C. Vasile
Xanthan/chondroitin sulfate hydrogels for medical and pharmaceutical applications
Revista Medico-Chirurgicala a Societatii de Medici si Naturalisti Iasi, 112 (2, Supl.1), 140-144 (2008)
156. M. Constantin, G. Fundoreanu, M. Nichifor
Synthesis and characterization of novel flavonoid based biomaterials
Revue Roumaine de Chimie, 53, 753-758 (2008)
157. A. I. Cosutchi, C. Hulubei, D. O. Dorohoi, M. Neagu, S. Ioan
Optical surface properties of polyimides crosslinked thin film
Romanian Journal of Physics, 53, 755-760 (2008)
158. M. Cristea, D. Ionita, B. C. Simionescu
Dynamic mechanical analysis on regenerated cellulose
Revista de Chimie, 59, 1088-1091 (2008)
159. F. Crivoi, A. M. Boghiu, M. C. Pascu, C. Vasile
Degradation of low density polyethylene/starch blends under the action of an enzymatic complex or of soil microorganisms. II. Surface properties
Cellulose Chemistry and Technology, 42, 179-187 (2008)
160. S. Curteanu, M. Cazacu
Optimization of a polysiloxane synthesis process using artificial intelligence methods
Revue Roumaine de Chimie, 53, 1141-1148 (2008)
161. S. Curteanu, C. Racles, V. Cozan
Prediction of liquid crystalline property for polyazomethines using modular neural networks
Journal of Optoelectronics and Advanced Materials, 10, 3382-3391 (2008)
162. M. D. Damaceanu, M. Bruma
Copolymer architectures containing donor and acceptor units for blue-emitting diodes
Journal of Optoelectronics and Advanced Materials, 10, 3086-3090 (2008)
163. I. Diaconu, D. O. Dorohoi, C. Ciobanu
Electromechanical response of polyurethane films with different thickness
Romanian Journal of Physics, 53, 91-97 (2008)
164. D. Dorohoi, M. Avadanei, M. Postolache
Characterization of the solvation spheres of some dipolar spectrally active molecules in binary solvents
Optoelectronics and Advanced Materials - Rapid Communications, 2, 511-515 (2008)
165. A. Dumitrescu, C. Mihailescu, B. C. Simionescu, M. Daranga
Testing and evaluation methods for polymers biodegradation
Memoriile Sectiilor Stiintifice, Academia Romana, Seria IV, 31, 35-76 (2008)
166. S. Dunca, M. Stefan, C. Tanase, A. Cojocariu, G. Ioanid, D. Rusu
The identification of microbiota with deteriorative action on some historical silk materials
Analele Stiintifice ale Universitatii "Al. I. Cuza" din Iasi, Sect. Genetica si Biologie Moleculara, 9, 91-98 (2008)
167. A. Durdureanu-Angheluta, R. Ardeleanu, M. Pinteala, V. Harabagiu, H. Chiriac, B. C.

- Simionescu
 Silane covered magnetite particles. Preparation and characterization
 Digest Journal of Nanomaterials and Biostructures, 3, 33-40 (2008)
168. D. Enescu, V. Hamciuc, D. Timpu, V. Harabagiu, B. C. Simionescu
 Polydimethylsiloxane-modified chitosan. Complexes of bivalent metals.
 Journal of Optoelectronics and Advanced Materials, 10, 1473-1477 (2008)
169. D. Enescu
 Use of chitosan in surface modification of textile materials
 Romanian Biotechnological Letters, 13, 4037-4048 (2008)
170. V. Gaina, C. Gaina
 Preparation and characterization of functional copolyurethane with maleimide groups
 Studii si Cercetari Stiintifice, Chimie si Inginerie Chimica, Biotehnologii, Industrie Alimentara (Universitatea Bacau), 9, 397-404 (2008)
171. C. Gheorghies, M. Avadanei, C. Spanu, A. M. Cantaragiu
 Monitoring of lubricant degradation by FTIR spectroscopy
 Buletinul Institutului Politehnic din Iasi, Sectia Constructii de Masini, 54(3), 333-342 (2008)
172. M. Grigoras, L. Stafie, M. Totolin
 Polyimines containing N-hexyl 3,6-carbazolyl-diyl and 1,4-phenylene units in the main polymer chain
 Revue Roumaine de Chimie, 53, 787-794 (2008)
173. V. C. Grigoras, V. Barboiu
 Characteristics of compatible binary polymer blends deduced from DSC thermograms. 1. A study of polyvinyl alcohol-polyvinyl pyrrolidone mixtures
 Revue Roumaine de Chimie, 53, 127-131 (2008)
174. C. Hamciuc, E. Hamciuc, S. Vlad, M. Olariu
 Fluorinated block copolymers containing imide and 1,3,4-oxadiazole rings
 Materiale Plastice, 45, 356-361 (2008)
175. E. Hamciuc, C. Hulubei, M. Bruma, I. A. Ronova, E. A. Sokolova
 Influence of conformational parameters on physical properties of some poly(imide-ether-amide)s based on Epiclon
 Revue Roumaine de Chimie, 53, 737-742 (2008)
176. F. Harnagea, M. Zanoaga
 The influence of the needle type on the material strength at stitching the footwear uppers
 Annals of the University of Oradea, Fascicle: Textiles-Leatherwork (The International Scientific Symposium "Innovative Solutions for Sustainable Development of Textile Industry", May 29-30, 2008, Oradea), vol. 9, 226-230 (2008)
177. C. Hulubei, E. Hamciuc, M. Bruma, A. Muller
 Functional polyimides and thin films based on them
 Romanian Journal of Information Science and Technology, 11, 133-142 (2008)
178. C. Hulubei
 Maleimide-containing polyamides
 Materiale Plastice, 45, 228-231 (2008)
179. C. Hulubei, E. Hamciuc, M. Bruma, M. Ignat
 Polymer blends containing maleimide-metal complexes
 CAS 2008 Proceedings (2008 International Semiconductor Conference, 31st Edition, Oct. 13-15, 2008, Sinaia), vol.2, 275-278 (2008)
180. C. Ibanescu, M. Danu, S. A. Ibanescu, M. Lungu, B. C. Simionescu
 Arheological characterization of binders for alkyd resin coatings
 Journal of Colloid and Surface Chemistry, 8, 5-12 (2008)
181. S. Iga, D. P. Iga, N. F. Predescu, A. Iga, A. Nicolescu
 Koenigs-Knorr synthesis of natural and potential metabolites of cholesteryl hexoxides
 Revista de Chimie, 59, 1152-1155 (2008)
182. S. Ioan, A. I. Cosutchi, D. O. Dorohoi
 Optical rotatory dispersion for polymers
 Romanian Journal of Physics, 53, 85-90 (2008)
183. F. Korkmaz, F. Severcan, M. Aflocri, D. O. Dorohoi
 Temperature influence on the dipalmitoyl phosphatidylcholine - model membranes studied by FTIR
 Digest Journal of Nanomaterials and Biostructures, 3, 55-61 (2008)
184. L. Rosu, D. Rosu

- Vinyl ester matrix resins for advanced materials
Journal of Optoelectronics and Advanced Materials, 10, 3377-3381 (2008)
185. R. Lipsa, N. Tudorachi, C. Vasile
Poly(vinyl alcohol)/poly(lactic acid) blends biodegradable films doped with colloidal silver
Revue Roumaine de Chimie, 53, 405-413 (2008)
186. M. Lungu, C. Ibanescu, A. Nanu, M. Danu, S. Ibanescu
Rheological tests in cosmetic applications
Revista Societatii Romane a Chimistilor Cosmetologi (RSCC Magazine), 8(1), 20-24 (2008)
187. L. Marin, E. Perju
New polymer-dispersed liquid crystals. Preparation and thermal characterization
Metalurgia International, 13(Special Issue), 17-21 (2008)
188. I. Mihai, M. Ivanoiu, M. Grigoras
Synthesis and characterization of some aryleneimine polymers containing n-hexyl-3,6-carbazolyldiyl units
Studii si Cercetari Stiintifice, Chimie si Inginerie Chimica, Biotehnologii, Industrie Alimentara (Universitatea Bacau), 9, 411-418 (2008)
189. C. Mihailescu, C. Ibanescu, A. Ioanid, V. Musat, V. Bulacovschi
Mixture of crosslinkable poly(vinyl alcohol) and poly(vinyl pyrrolidone) as hair fixing-hydrogels
Revista Societatii Romane a Chimistilor Cosmetologi (RSCC Magazine), 8(1), 32-35 (2008)
190. C. Mihailescu, R. Muresan, M. Totolin, A. Ioanid, E. G. Ioanid
New preservation possibilities for natural textile fabrics from cultural heritage objects
Cellulose Chemistry and Technology, 42, 197-206 (2008)
191. L. Moldovan, O. Craciunescu, O. Zarnescu, D. Macocinschi, D. Bojin
Preparation and characterization of new biocompatibilized polymeric materials for medical use
Journal of Optoelectronics and Advanced Materials, 10, 942-947 (2008)
192. S. Morariu, M. Bercea, G. Prisacariu, C. Stamate
Electrorestrictive properties of LiClO₄/ethylene carbonate/poly(acrylonitrile) gels
Buletinul Institutului Politehnic din Iasi, Sectia Constructii de Masini, 54(4), 229-238 (2008)
193. A. Muresan, A. M. Ecsner, R. Muresan, C. Mihailescu, A. Ioanid
Research regarding hydrophobicity of some textile fabrics through treatment in cold plasma and grafting with vinylic monomers
Buletinul Institutului Politehnic din Iasi, Sectia Textile, Pielarie, 54(3/4), 57-64 (2008)
194. R. Muresan, S. Dunca, A. Cerempei, R. Butnaru, E. Muresan, G. E. Ioanid
Possibilities of textile fibers antimicrobial protection
Buletinul Institutului Politehnic din Iasi, Sectia Textile, Pielarie, 54(3/4), 49-55 (2008)
195. F. Mustata, N. Tudorachi
Rheological behaviour of some magnetic polymer composites
Journal of Optoelectronics and Advanced Materials, 10, 3346-3352 (2008)
196. A. M. Necula, L. Olaru, N. Olaru, S. Ioan
Interferometric evaluation of association equilibrium in the cellulose acetate/acetone/water ternary system
Proceedings of the Romanian Academy, Series B - Mathematics, Physics, Technical Sciences, Information Science, 9, 191-198 (2008)
197. A. Nicolescu, C. Deleanu
Identification of metabolites in complex natural fluids by NMR. The use of various NMR techniques for the detection of alanine in grapefruit
Journal of Colloid and Surface Chemistry, 8, 53-62 (2008)
198. A. Nistor, C. G. Piuleac, M. Cazacu, S. Curteanu
Neural network modelling of the equilibrium anionic polymerization of cyclic siloxanes
Materiale Plastice, 45, 67-73 (2008)
199. L. E. Nita, A. P. Chiriac, I. Neamtu
Study of magnetic field influence upon a binary interpenetrated polymeric complex formation
Journal of Optoelectronics and Advanced Materials, 10, 2902-2907 (2008)
200. S. Oancea, A. Airinei, N. Foca
On the zinc effect in tomato plant nutrition
Lucrari Stiintifice, Universitatea de Stiinte Agricole si Medicina Veterinara "Ion Ionescu de la Brad" Iasi, Seria Horticultura, 51, 97-102 (2008)
201. L. Ochiuz, G. Lisa, C. Grigoras, M. Avadanei, E. Gafiteanu
Thermal stability of sodium dendronate in a mixture with crosslinked acrylic acid polymers and chitosan

- Materiale Plastice, 45, 372-376 (2008)
202. M. Olaru, B. C. Simionescu, C. Cotofana, X. Patras
Noncovalent immobilization of collagen on the surface of silanized hydroxyapatite
Optoelectronics and Advanced Materials - Rapid communications, 2, 726-729 (2008)
203. M. Olaru, T. Buruiana, N. Lupu, H. Chiriac
Polymer composites with magnetostrictive properties
Optoelectronics and Advanced Materials - Rapid Communications, 2, 224-228 (2008)
204. S. Oprea
Influence of the chemical structure of soft segment on the properties of polyurethane acrylates
Materiale Plastice, 45, 269-273 (2008)
205. S. Oprea, V. Oprea
Properties of polyurethane elastomers obtained with various chain extenders
Materiale Plastice, 45, 345-350 (2008)
206. S. Oprea
Synthesis and properties of crosslinked polyurethane composite materials for passive isolation
Materiale Plastice, 45, 15-19 (2008)
207. O. M. Paduraru, C. Vasile
Stimuli responsive hydrogels
Revista Societatii Romane a Chimistilor Cosmetologi (RSCC Magazine), 8(4), 25-33 (2008)
208. O. Petreus, G. Cazacu, A. M. Necula, D. Ciocan
Synthesis and characterization of phosphorus-containing lignin-epoxy resins
Cellulose Chemistry and Technology, 42, 569-576 (2008)
209. C. G. Piuleac, S. Curteanu, G. Telipan, M. Cazacu
Neural network based modeling of NO_x detection with a sensor-polymer system
Studii si Cercetari stiintifice, Chimie si Inginerie Chimica, Biotehnologii, Industrie Alimentara (Universitatea Bacau), 9, 35-48 (2008)
210. C. M. Popescu, C. M. Tibirna, I. E. Raschip, M. C. Popescu, P. Ander, C. Vasile
Bulk and surface characterization of unbleached and bleached softwood kraft pulp fibers
Cellulose Chemistry and Technology, 42, 525-547 (2008)
211. M. C. Popescu, C. Vasile
Two-dimensional infrared correlation spectroscopic studies of polymer blends: Conformational changes and specific interactions in polytetrahydrofuran/cholesteryl palmitate blends
Journal of Optoelectronics and Advanced Materials, 10, 3091-3100 (2008)
212. N. F. Predescu, S. Iga, A. Nicolescu, D. P. Iga
Koenigs-Knorr synthesis of galactofuranosides of estrone, androstanolone, 11 α-hydroxyprogesterone and prednisolone
Revista de Chimie, 59, 52-55 (2008)
213. G. Prisacaru, D. Olaru, C. Stamate, S. Morariu, M. Bercea
Electroresponsive polymeric gels based on poly(acrylonitrile) and poly(vinyl alcohol)
Buletinul Institutului Politehnic din Iasi, Sectia Constructii de Masini, 54(4), 221-228 (2008)
214. C. Prisacariu, E. Scortanu
Mechanical response in novel polyurethanes derived from crystallizable hard segments
Buletinul Institutului Politehnic din Iasi, Sectia Constructii de Masini, 54(3), 191-196 (2008)
215. C. Prisacariu, E. Scortanu
Morphology of polyurethanes based on the chain extender ethylene glycol and aromatic flexible diisocyanates, as revealed by scanning electron microscopy
Revue Roumaine de Chimie, 53, 821-825 (2008)
216. C. Prisacariu, E. Scortanu
Synthesis and characterization of new DBDI based polyurethanes as shape-memory materials
Buletinul Institutului Politehnic din Iasi, Sectia Constructii de Masini, 54(4), 151-156 (2008)
217. C. Racles, M. Cazacu, M. Alexandru
Preparation of silicone elastomers for micro-/nano-actuators
Buletinul Institutului Politehnic din Iasi, Sectia Constructii de Masini, 54(4), 81-86 (2008)
218. M. Racuciu, D. E. Creanga, A. Airinei, V. Badescu
Room temperature synthesis of magnetic nanoparticles
Journal of Optoelectronics and Advanced Materials, 10, 2928-2931 (2008)
219. M. Racuciu, D. E. Creanga, A. Airinei, V. Badescu
Synthesis method influence on water based magnetic fluid properties
Journal of Optoelectronics and Advanced Materials, 10, 635-638 (2008)
220. R. D. Rusu, M. D. Damaceanu, M. Bruma, R. I. Tigoianu, A. Muller

- Aromatic polyimides for optoelectronic applications
 CAS 2008 Proceedings (2008 International Semiconductor Conference, 31st Edition, Oct. 13-15, 2008, Sinaia), vol.1, 125-128 (2008)
221. E. Rusen, B. Marculescu, I. Stancu, C. Grigoras, D. S. Vasilescu
 Chemical transformations on copolymers obtained from dicyclopentadiene
Materiale Plastice, 45, 409-413 (2008)
222. E. Rusu, A. Airinei
 Some investigations on films of poly(vinyl alcohol) with pendant p-azidobenzoate groups
Optoelectronics and Advanced Materials - Rapid Communications, 2, 886-890 (2008)
223. E. Rusu, M. Drobota, V. Barboiu
 Structural investigation of amine treated polyester thin films by FTIR-ATR spectroscopy
Journal of Optoelectronics and Advanced Materials, 10, 377-381 (2008)
224. C. Vasile, M. C. Popescu
 Thermal behaviour/treatment of some vegetable residues II. Spanish broom (*Spartium junceum*) fibers
Cellulose Chemistry and Technology, 42, 335-344 (2008)
225. T. Rusu, H. Cartwright
 Applications of artificial intelligence methods in macromolecular chemistry - computer aided molecular design
Studii si Cercetari Stiintifice, Chimie si Inginerie Chimica, Biotehnologii, Industrie Alimentara (Universitatea Bacau), 9, 27-33 (2008)
226. L. Sacarascu, M. Simionescu
 Polymer route for silicon quantum dots
Journal of Optoelectronics and Advanced Materials, 10, 649-653 (2008)
227. C. Hulubei
 Functional maleimide-based structural polymers
Revue Roumaine de Chimie, 53, 743-752 (2008)
228. I. Sava
 Liquid-crystalline properties of some poly(ester-amide)s
 CAS 2008 Proceedings (2008 International Semiconductor Conference, 31st Edition, Oct. 13-15, 2008, Sinaia), vol.2, 291-294 (2008)
229. I. Sava, A. M. Resmerita
 Photoactive polyimides containing azobenzene pendent groups
 CAS 2008 Proceedings (2008 International Semiconductor Conference, 31st Edition, Oct. 13-15, 2008, Sinaia), vol.2, 283-286 (2008)
230. I. Sava
 Photosensitive polymers containing pendent azobenzene groups
Materiale Plastice, 45, 404-408 (2008)
231. I. Sava
 Synthesis and characterization of some poly(amideimide)s by direct polycondensation
Revue Roumaine de Chimie, 53, 795-801 (2008)
232. E. Scortanu, C. Prisacariu
 Mechanical properties and crystallization phenomena induced by DBDI in selected polyurethane-ureas with heterocyclic and aromatic diamines chain extension
Buletinul Institutului Politehnic din Iasi, Sectia Constructii de Masini, 54(4), 157-164 (2008)
233. E. Scortanu, C. Prisacariu
 Novel polyurethane-ureas with dibenzyl structures and asymmetrical aromatic diamine
Buletinul Institutului Politehnic din Iasi, Sectia Constructii de Masini, 54(4), 145-150 (2008)
234. I. Spiridon, N. Anghel, R. Bodirlau, C. A. Teaca
 Characterization of the *Claviceps purpurea* fungal extracts
Journal of Colloid and Surface Chemistry, 8, 23-30 (2008)
235. M. Spulber, M. Pinteala, V. Harabagiu, B. C. Simionescu, A. Fifere
 Determination of binding constants between cyclodextrins and sulconazole antifungal drug by Hildebrand-Benessy approximation
Fungi & Mycotoxins, 2, 152-156 (2008)
236. M. Spulber, M. Pinteala, V. Harabagiu, B. C. Simionescu, A. Fifere
 Spectroscopic characterization of α -cyclodextrin-sulconazole inclusion complexes.
 Determination of binding constants by Rose-Drago approximation
Fungi & Mycotoxins, 2, 189-192 (2008)
237. D. S. Stefan, I. Untea, V. Neagu, C. Luca, M. Stefan

- Selective retention of Hg^{2+} ions from aqueous solutions by various amide groups-functionalized copolymers
Revue Roumaine de Chimie, 53, 617-622 (2008)
238. G. Strat, S. Gurlui, M. Strat, A. Farcas, S. Stratulat
- Studies of the self-organization phenomena in polymer materials
Journal of Optoelectronics and Advanced Materials, 10, 2854-2858 (2008)
239. C. A. Teaca, R. Bodirlau, A. Oprea, C. Tanase, S. Colceru
- Influence of plant extracts on germination and post-germination development of different species
Cellulose Chemistry and Technology, 42, 121-127 (2008)
240. G. Telipan, M. Ignat, A. Vlad, M. Cazacu
- Lanthanum complex for gas sensing
Journal of Optoelectronics and Advanced Materials, 10, 3409-3412 (2008)
241. G. Telipan, L. Paslaru-Danescu, C. Racles
- Sensor and apparatus for CO_2 detector with organosiloxane supramolecular polymers sensitive layer
Metalurgia International, 13(Special Issue), 22-28 (2008)
242. M. Tomoaia-Cotisel, C. Prejmerean, G. Tomoaia, A. Mocanu, M. Trif, A. Badanoiu, T. Buriana, O. Horovitz, A. Hosu
- Characterization by atomic force microscopy of some composites based on surface active glasses and copolymers
Journal of Optoelectronics and Advanced Materials, 10, 937-941 (2008)
243. M. Totolin, I. Neamtu, D. Filip, I. Stoica, D. Macocinschi
- An investigation of plasma polymer thin films deposition by low-pressure non-equilibrium plasma
Optoelectronics and Advanced Materials - Rapid Communications, 2, 309-314 (2008)
244. M. Totolin, I. Neamtu
- Application of non-equilibrium plasma polymerization in the conservation of cellulosic supports used in cultural heritage
Optoelectronics and Advanced Materials - Rapid Communications, 2, 387-393 (2008)
245. M. I. Totolin, C. Vasile, C. M. Tibirna, M. C. Popescu
- Grafting of Spanish broom (*Spartium junceum*) fibers with fatty acids under cold plasma conditions
Cellulose Chemistry and Technology, 42, 317-333 (2008)
246. N. Tudorachi, A. Chiriac
- Particle size analysis of silver-based composites for biomedical applications
Journal of Optoelectronics and Advanced Materials, 10, 382-388 (2008)
247. N. Tudorachi
- Synthesis and swelling-behaviour of some crosslinked poly(vinylalcohol)-acrylamide hydrogels
Materiale Plastice, 45, 326-331 (2008)
248. V. Tura, T. Balau Mindru, F. Tofoleanu, B. A. Hagi, C. R. Ionescu, I. Balau Mindru, C. Ciobanu
- Antimicrobial polyurethane urea/silver nanocomposites for wound dressing applications
Buletinul Institutului Politehnic din Iasi, Sectia Textile, Piilarie, 54(1/2), 61-71 (2008)
249. C. Vasile, A. Stoleriu, M. C. Popescu, C. Duncianu, I. Kelmar, D. Dimonie
- Morphology and thermal properties of some green strach/poly(vinyl alcohol)/montmorillonite nanocomposites
Cellulose Chemistry and Technology, 42, 549-568 (2008)
250. C. Vasile, M. Brebu, M. C. Popescu
- Thermal behaviour/treatment of agricultural biomass I. Thermal behaviour of oilseed rape (*Brassica napus L.*)
Cellulose Chemistry and Technology, 42, 159-169 (2008)
251. S. Vasiliu, V. Neagu, M. Popa, C. Luca
- Materiale cu proprietati speciale pe baza de polibetaine
Materiale Plastice, 45, 177-183 (2008)
252. S. Vlad
- Influence of the chain extender length and diisocyanate amount on the thermal stability and mechanical properties
Materiale Plastice, 45, 394-397 (2008)
253. S. Vlad, A. Vlad

- Synthesis and characterization of some polyazomethine-urethane-urea metal-complexes
Materiale Plastice, 45, 172-176 (2008)
254. M. Voinea, C. Bogatu, G. C. Chitanu, A. Duta
Copper cermets used as selective coating for flat plate solar collectors
Revista de Chimie, 59, 659-663 (2008)
255. M. Zanoaga, V. Melinte
A modified polyamide - A hot melt adhesive for thermally bonded interliners
Annals of the University of Oradea, Fascicle: Textiles-Leatherwork (The International Scientific Symposium "Innovative Solutions for Sustainable Development of Textile Industry", May 29-30, 2008, Oradea), vol. 9, 163-167 (2008)
256. M. Zanoaga, F. Harnagea
Bulky nonwoven composites based on copolyamidic polymer and textile fibers
Annals of the University of Oradea, Fascicle: Textiles-Leatherwork (The International Scientific Symposium "Innovative Solutions for Sustainable Development of Textile Industry", May 29-30, 2008, Oradea), vol. 9, 155-162 (2008)
257. M. Cazacu, Editor
Advances in Functional Heterochain Polymers
Nova Science Publ., New York, 2008, 287 p
258. A. M. Danila, M. Totolin
Metode analitice moderne utilizate pentru caracterizarea unor compusi farmaceutici
Ed. PIM, Iasi, 2008, 180 p
259. A. P. Chiriac
Efekte ale campului magnetic in procese chimice
Ed. PIM, Iasi, 2008, 200 p
260. V. Gaina, C. Gaina
Polimeri heterociclici II. Rasini poliimidice
Ed. Tehnopress, Iasi, 2008, 151 p
261. C. Hamciuc, E. Hamciuc
Poliamide heterociclice termostabile
Ed. Tehnopress, Iasi, 2008, 136 p
262. S. Ioan, A. I. Cosutchi, A. Filimon
Proprietati ale unor polimeri cu arhitecturi speciale pentru diferite aplicatii
Ed. PIM, Iasi, 2008, 176 p
263. S. Ioan, A. Filimon, A. I. Cosutchi, A. M. Necula, R. M. Albu
Modelari matematice pentru prestabilirea unor proprietati specifice polimerilor. Teorie si experiment
Ed. PIM, Iasi, 2008, 190 p
264. E. G. Ioanid, S. Dunca, D. Rusu
Plasma de inalta frecventa in domeniul conservarii obiectelor de patrimoniu: Decontaminarea biologica
Ed. PIM, Iasi, 2008, 144 p
265. L. Marin
Sintiza si studiul unor compusi noi cu proprietati de cristal lichid
Ed. Tehnopress, Iasi, 2008, 199 p
266. F. Mustata
Transfer termic la curgerea in filme subtiri de lichide nenewtoniene
Ed. PIM, Iasi, 2008, 198 p
267. M. Nechifor
Polimeri termostabili fotosensibili
Ed. Tehnopress, Iasi, 2008, 113 p
268. S. Oprea
Elastomeri poliuretanici reticulati
Ed. Tehnopress, Iasi, 2008, 225p
269. S. Oprea
Poliuretani cu grupuri reactive
Ed. Tehnopress, Iasi, 2008, 163 p
270. E. Rusu
Acidul cinamic si derivatii sai
Ed. PIM, Iasi, 2008, 166p
271. G. Rusu

- Formarea prin reactie a poliamidelor si materialelor (nano)compozite poliamidice
Ed. PIM, Iasi, 2008, 254p
272. I. Sava
Poliesteri heterociclici
Ed. Tehnpress, Iasi, 2008, 122 p
273. M. Sava, M. Zanoaga, M. Nechifor, F. Tanasa
Materiale polimerice pentru aplicatii de inalta performanta
Ed. Tehnpress, Iasi, 2008, 159 p
274. C. Vasile, R. P. Dumitriu
Materiale polimerice receptive la stimuli externi-inteligente
Ed. PIM, Iasi, 2008, 319 p
275. S. Vasiliu
Materiale polimere pe baza de polielectroliti
Ed. PIM, Iasi, 2008, 172 p
276. C. D. Vlad, Editor
(Co)Polimeri reticulati obtinuti prin polimerizare in suspensie
Ed. PIM, Iasi, 2008, 203 p
277. T. Vlad-Bubulac, C. Hamciuc, O. Petreus
Polimeri heterociclici cu fosfor in catena laterală
Ed. PIM, Iasi, 2008, 150 p