

Lista lucrari 2012

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| <p>1. Biocompatibility and antimicrobial activity of some quaternized polysulfones</p> <p>2. Probing electron-induced bond cleavage at the single-molecule level using DNA origami templates</p> <p>3. Prediction of the appropriate size of drug molecules that could be released by a pulsatile mechanism from pH/thermoresponsive microspheres obtained from preformed polymers</p> <p>4. N,N'-(1,4-phenylene)bis(4-chlorobutanamide)</p> <p>5. 1,2-Bis(pyridin-4-yl)diazene-3,4,5-trihydroxybenzoic acid-methanol (3/2/2)</p> <p>6. Comparison between powders of strontium hexaferrite processed by dynamic gas heat treatment and recalcination</p> <p>7. Novel pyridine-based poly(urethane-urea) elastomers with several different cross-linkers in the hard segment structure</p> <p>8. In vitro drug release from chitosan/Cloisite 15A hydrogels</p> <p>9. Spectroscopic, thermal and antimicrobial properties of the copper(II) complex of Schiff base derived from 2-(salicylidene) aminopyridine</p> <p>10. Producing ORMSIL scaffolds by femtosecond laser polymerization</p> <p>11. Characterization of a poly(ether urethane)-based controlled release membrane system for delivery of ketoprofen</p> <p>12. CLSM and UV-VIS researches in polyoxadiazoles thin films</p> <p>13. Vascular biology of reactive oxygen species and NADPH oxidases: Role in atherogenesis</p> <p>14. Synthesis of poly(2-methyl-2-oxazoline) star polymers with a β-cyclodextrin core</p> <p>15. Synthesis and characterization of low-molecular-weight π-conjugated polymers</p> | <p>S. Ioan, A. Filimon</p> <p>A. Keller, I. Bald, A. Rotaru, E. Cauet, K. V. Gothelf, F. Besenbacher</p> <p>G. Fundueanu, M. Constantin, I. Oanea, V. Harabagiu, P. Ascenzi, B. C. Simionescu</p> <p>O. Cuzan, S. Shova, C. Turta, I. I. Mangalagiu</p> <p>E. Rusu, S. Shova, G. Rusu</p> <p>F. Tudorache, F. Brinza, P. D. Popa, I. Petrilă, M. Grigoras, S. Tascu</p> <p>S. Oprea, V. O. Potolinca, E. C. Buruiana</p> <p>A. Cojocariu, L. Profire, M. Aflori, C. Vasile</p> <p>G. Tantaru, M. C. Popescu, V. Bild, A. Poiata, G. Lisa, C. Vasile</p> <p>A. Matei, M. Zamfirescu, C. Radu, E. C. Buruiana, T. Buruiana, C. Mustaciosu, I. Petcu, M. Radu, M. Dinescu</p> <p>D. Macocinschi, D. Filip, S. Vlad, A. M. Oprea, C. M. Gafitanu</p> <p>J. Weszka, M. M. Szindler, M. Chwastek-Ogierman, M. Bruma, P. Jarka</p> <p>A. Manea</p> <p>G. Pereira, C. Huin, S. Morariu, V. Bennevault-Celton, P. Guegan</p> <p>A. Farcas, A. M. Resmerita, A. Stefanache,</p> | <p>A Search for Antibacterial Agents, V. Bobbarala, Ed., InTech, Rijeka Croatia, 249-274 (2012)</p> <p>ACS Nano, 6, 4392-4399 (2012)</p> <p>Acta Biomaterialia, 8, 1281-1289 (2012)</p> <p>Acta Crystallographica Section E - Structure Reports, 68(Part 2), o463/1-8 (2012)</p> <p>Acta Crystallographica Section E - Structure Reports, 68(Part 8), o2436/1-9 (2012)</p> <p>Acta Physica Polonica A, 121, 92-94 (2012)</p> <p>Advances in Polymer Technology, 31, 364-373 (2012)</p> <p>Applied Clay Science, 57, 1-9 (2012)</p> <p>Applied Organometallic Chemistry, 26, 356-361 (2012)</p> <p>Applied Physics A - Materials Science & Processing, 108, 91-97 (2012)</p> <p>Applied Surface Science, 259, 416-423 (2012)</p> <p>Archives of Materials Science and Engineering, 55(2), 53-61 (2012)</p> <p>Atherogenesis, S. Parthasarathy, Ed., InTech, Rijeka, Croatia, 425-446 (2012)</p> <p>Australian Journal of Chemistry, 65, 1145-1155 (2012)</p> <p>Beilstein Journal of Organic Chemistry, 8, 1505-1514</p> |
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16. Polysiloxane ionic liquids as good solvents for β -cyclodextrin polydimethylsiloxane polyrotaxane structures	A. Fifere, N. Marangoci, S. Maier, A. Coroaba, D. Maftei, M. Pinteala M. Pirvulescu, I. Manduteanu, A. M. Gan, D. Stan, V. Simion, E. Butoi, M. Calin, M. Simionescu	Beilstein Journal of Organic Chemistry, 8, 2191-2201 (2012)
17. Theoretical study on β -cyclodextrin inclusion complexes with propiconazole and protonated propiconazole	Biochemical and Biophysical Research Communications, 422, 321-326 (2012)	
18. A novel pro-inflammatory mechanism of action of resistin in human endothelial cells: Up-regulation of SOCS3 expression through STAT3 activation	G. David, M. Cristea, C. Balhui, D. Timpu, F. Doroftei, B. C. Simionescu	Biomacromolecules, 13, 2263-2272 (2012)
19. Effect of crosslinking methods on structure and properties of poly(ϵ -caprolactone) stabilized hydrogels containing biopolymers	M. Yuksel, D. G. Colak, M. Akin, I. Cianga, M. Kukut, E. I. Medine, M. Can, S. Sakarya, P. Unak, S. Timur, Y. Yagci	Biomacromolecules, 13, 2680-2691 (2012)
20. Nonionic, water self-dispersible "hairy-rod" poly(p-phenylene)-g-poly(ethylene glycol) copolymer/carbon nanotube conjugates for targeted cell imaging	M. Murariu, G. Drochioiu	BioSystems, 109, 126-132 (2012)
21. Biostructural theory of the living systems	G. Mocanu, D. Mihai, V. Dulong, L. Picton, D. Le Cerf	Carbohydrate Polymers, 87, 1440-1446 (2012)
22. New anionic crosslinked multi-responsive pullulan hydrogels	V. Dulong, G. Mocanu, L. Picton, D. Le Cerf	Carbohydrate Polymers, 87, 1522-1531 (2012)
23. Amphiphilic and thermosensitive copolymers based on pullulan and Jeffamine: Synthesis, characterization and physicochemical properties	L. Ghimici, M. Nichifor, A. Eich, B. A. Wolf	Carbohydrate Polymers, 87, 405-410 (2012)
24. Intrinsic viscosities of polyelectrolytes in the absence and in the presence of extra salt: Consequences of the stepwise conversion of dextran into a polycation	A. M. Oprea, L. Profire, C. E. Lupusoru, C. M. Ghicine, D. Ciolacu, C. Vasile	Carbohydrate Polymers, 87, 721-729 (2012)
25. Synthesis and characterization of some cellulose/chondroitin sulphate hydrogels and their evaluation as carriers for drug delivery	E. S. Dragan, M. M. Perju, M. V. Dinu	Carbohydrate Polymers, 88, 270-281 (2012)
26. Preparation and characterization of IPN composite hydrogels based on polyacrylamide and chitosan and their interaction with ionic dyes	C. M. Popescu, P. T. Larsson, N. Olaru, C. Vasile	Carbohydrate Polymers, 88, 530-536 (2012)
27. Spectroscopic study of acetylated kraft pulp fibers	G. Mocanu, Z. Souguir, L. Picton, D. Le Cerf	Carbohydrate Polymers, 89, 578-585 (2012)
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33. New iron-cobalt clusters with silicon-containing dicarboxilic acids
M. Cazacu, A. Vlad, C. Turta, G. Lisa
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G. Roman
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M. Pislaru, S. Curteanu, M. Cazacu
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46. Flocculation by cationic amphiphilic polyelectrolytes: Relating efficiency with the association of polyelectrolyte in the initial solution
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47. Stability under flow conditions of trypsin immobilized onto poly(vinyl amine) functionalized silica nanoparticles
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49. Low density polyethylene composites containing cellulose pulp fibers	A. Sdrobis, R. N. Darie, M. Totolin, G. Cazacu, C. Vasile	Composites Part B: Engineering, 43, 1873-1880 (2012)
50. Thermal behavior of some organic/inorganic composites based on epoxy resin and calcium carbonate obtained from conch shell of Rapana thomasiana	F. Mustata, N. Tudorachi, D. Rosu	Composites Part B: Engineering, 43, 702-710 (2012)
51. Functionalized magnetic composites based on block copolymers poly(succinimide)-b-poly(ethylene glycol) with potential applications in blood detoxification	V. Balan, M. I. Popa, L. Verestiu, A. P. Chiriac, I. Neamtu, L. E. Nita, M. T. Nistor	Composites Part B: Engineering, 43, 926-932 (2012)
52. Unravelling the mysteries of cyclic deformation in thermoplastic elastomers	C. Buckley, D. S. A. De Focatiis, C. Prisacariu	Constitutive Models for Rubber VII - Proceedings of the 7th European Conference on Constitutive Models for Rubber, ECCMR-2011, Sept. 20-23, 2011, Dublin, Ireland, 3-10 (2012)
53. Characterisation of polymer concrete with epoxy polyurethane acryl matrix	L. Agavriloae, S. Oprea, M. Barbuta, F. Luca	Construction and Building Materials, 37, 190-196 (2012)
54. Calcium carbonate microparticles growth templated by an oxadiazole-functionalized maleic anhydride-co-N-vinyl pyrrolidone copolymer, with enhanced pH stability and variable loading capabilities	M. Mihai, M. D. Damaceanu, M. Aflori, S. Schwarz	Crystal Growth & Design, 12, 4479-4486 (2012)
55. Magnetic properties of the seven-coordinated nanoporous framework material Co(bpy)(1.5)(NO ₃) ₂ (bpy = 4,4'-bipyridine)	E. Bartolome, P. J. Alonso, A. Aranzo, J. Luzon, J. Bartolome, C. Racles, C. Turta	Dalton Transactions, 41, 10382-10389 (2012)
56. Catenation control in the two-dimensional coordination polymers based on tritopic carboxylate linkers and azamacrocyclic nickel (II) complexes	Y. D. Lampeka, L. V. Tsymbal, A. V. Barna, Y. L. Shulga, S. Shova, V. B. Arion	Dalton Transactions, 41, 4118-4125 (2012)
57. Microwave-assisted synthesis of functional polysilanes	M. Simionescu, L. Sacarescu, G. Sacarescu	Designed Monomers and Polymers, 15, 127-136 (2012)
58. Polyazomethines with triphenylamine groups synthetized by Suzuki polycondensation reactions	I. Mihai, M. Ivanoiu, L. Vacareanu, M. Grigoras	Designed Monomers and Polymers, 15, 41-52 (2012)
59. New thermally-reversible epoxy-urethane networks	V. Gaina, O. Ursache, C. Gaina, E. Buruiana	Designed Monomers and Polymers, 15, 63-73 (2012)
60. New approach to the synthesis of poly(phenylquinoxaline)s	N. M. Belomoina, E. G. Bulycheva, L. N. Nikitin, M. Bruma	Doklady Chemistry, 446(Part 2), 201-203 (2012)
61. A new heterogeneous catalytic system for decolorization and mineralization of Orange G acid dye based on hydrogen peroxide and a macroporous chelating polymer	V. Dulman, S. M. Cucu-Man, R. I. Olariu, R. Buhaceanu, M. Dumitras, I. Bunia	Dyes and Pigments, 95, 79-88 (2012)
62. Siloxane-crown ether polyamide based	I. M. Simionca, A. Arvinte,	Electroanalysis, 24, 1995-

electrode for electrochemical determination of lead (II) in aqueous solutions	R. Ardeleanu, M. Pinteala	2004 (2012)
63. Microwave-assisted Wurtz coupling of methylphenyldichlorosilane in solvent-free conditions	G. Sacarescu, M. Simionescu, V. Harabagiu, L. Sacarescu A. Vlad, C. Turta, M. Cazacu, E. Rusu, S. Shova T. Rosu, E. Pahontu, D. C. Ilies, R. Georgescu, M. Mocanu, M. Leabu, S. Shova, A. Gulea	e-Polymers, Paper No. 013, 1-6 (2012)
64. A bis(pyrrole) Schiff base containing a flexible siloxane bridge and its Ni(II) complexes		European Journal of Inorganic Chemistry, (31), 5078-5084 (2012)
65. Synthesis and characterization of some new complexes of Cu(II), Ni(II) and V(IV) with Schiff base derived from indole-3-carboxaldehyde. Biological activity on prokaryotes and eukaryotes		European Journal of Medicinal Chemistry, 53, 380-389 (2012)
66. Comparative study on decontamination treatment of paper-based materials in corona discharge and HF cold plasma	E. G. Ioanid, S. Dunca, D. Rusu, C. Tanase	European Physical Journal - Applied Physics, 58, Article Number 10803/1-10 (2012)
67. On the stability and properties of the polyacrylate/Na-MMT nanocomposite obtained by seeded emulsion polymerization	O. Yilmaz, C. N. Cheaburu, G. Gulumser, C. Vasile	European Polymer Journal, 48, 1683-1695 (2012)
68. Influence of UV irradiation and two photon processing on the cinnamate monomers polymerization and formation of hybrid composites with nanosized ZnO	E. C. Buruiana, F. Jitaru, A. Matei, M. Dinescu, T. Buruiana	European Polymer Journal, 48, 1976-1987 (2012)
69. Micellar behavior of some amphiphilic block polyurethanes in aqueous/nonaqueous media	D. Filip, D. Macocinschi, S. Vlad	European Polymer Journal, 48, 464-471 (2012)
70. Investigation on the thermal properties of new thermo-reversible networks based on poly(vinyl furfural) and multifunctional maleimide compounds	C. Gaina, O. Ursache, V. Gaina, E. Buruiana, D. Ionita	eXPRESS Polymer Letters, 6, 129-141 (2012)
71. Positive regulation of NADPH oxidase 5 by proinflammatory-related mechanisms in human aortic smooth muscle cells	A. Manea, S. A. Manea, I. C. Florea, C. M. Luca, M. Raicu	Free Radical Biology and Medicine, 52, 1497-1507 (2012)
72. Nox enzymes and oxidative stress in atherosclerosis	A. Manea, M. Simionescu	Frontiers in Bioscience, 4S, 651-670 (2012)
73. Semi-alicyclic polyimides: Insights into optical properties and morphology patterning approaches for advanced technologies	A. I. Barzic, I. Stoica, C. Hulubei	High Performance Polymers - Polyimides Based - from Chemistry to Applications, M. J. M. Abadie, Ed., InTech, Rijeka, Croatia, 167-198 (2012)
74. Polyimides containing cycloaliphatic segments for low dielectric material	D. Popovici, C. Hulubei, V. Cozan, G. Lisa, M. Bruma	High Performance Polymers, 24, 194-199 (2012)
75. Study of thin films made from aromatic polymers containing six-member imide rings	M. Bruma, M. D. Damaceanu, R. D. Rusu	High Performance Polymers, 24, 31-39 (2012)
76. Effect of resorcinol-based chain extender chemical structure on the enhanced properties polyurethane elastomers	S. Oprea	High Performance Polymers, 24, 389-397 (2012)
77. PVA-based hybrid composites with luminescent properties for drug delivery	B. C. Simionescu, M. Olaru, I. Bordianu, C. Ursu, C. Cotofana	High Performance Polymers, 24, 449-459 (2012)
78. Copolyimides containing perylene and hexafluoroisopropylidene moieties	M. D. Damaceanu, R. D. Rusu, M. Bruma	High Performance Polymers, 24, 50-57 (2012)

79. New symmetrical conjugated thiophene-azomethines containing triphenylamine or carbazole units: Synthesis, thermal and optoelectrochemical properties	L. Vacareanu, T. Ivan, M. Grigoras	High Performance Polymers, 24, 717-729 (2012)
80. Sorption isotherms of heavy metal ions onto semi-interpenetrating polymer network cryogels based on polyacrylamide and anionically modified potato starch	D. F. Apopei, M. V. Dinu, A. W. Trochimczuk, E. S. Dragan	Industrial & Engineering Chemistry Research, 51, 10462-10471 (2012)
81. Thermoreversible poly(isopropyl lactate diol)-based polyurethane hydrogels: Effect of isocyanate on the physical properties	L. M. Gradinaru, C. Ciobanu, S. Vlad, M. Bercea, M. Popa	Industrial & Engineering Chemistry Research, 51, 12344-12354 (2012)
82. The behavior of chitosan in solvents with different ionic strengths	S. Morariu, C. E. Brunchi, M. Bercea	Industrial & Engineering Chemistry Research, 51, 12959-12966 (2012)
83. Thermal degradation of carboxymethyl starch-g-poly(lactic acid) copolymer by TG-FTIR-MS analysis	N. Tudorachi, R. Lipsa, F. R. Mustata	Industrial & Engineering Chemistry Research, 51, 15537-15545 (2012)
84. Synthesis and thermal analysis of a magnetic composite by thermogravimetry coupled to Fourier Transform infrared spectroscopy and mass spectrometry	N. Tudorachi, A. P. Chiriac, I. Neamtu, M. T. Nistor, G. Lisa	Industrial & Engineering Chemistry Research, 51, 335-344 (2012)
85. Assesment of changes due to accelerating weathering of low-density polyethylene/feather composites	I. Spiridon, O. M. Paduraru, M. Rudowski, M. Kozlowski, R. N. Darie L. E. Nita, M. T. Nistor, A. P. Chiriac, I. Neamtu	Industrial & Engineering Chemistry Research, 51, 7279-7286 (2012)
86. Cross-linking structural effect of hydrogel based on 2-hydroxyethyl methacrylate	F. R. Mustata, N. Tudorachi, I. Bicu	Industrial & Engineering Chemistry Research, 51, 7769-7776 (2012)
87. Epoxy resins crosslinked with bisphenol A/methylenedianiline novolac resin type: Curing and thermal behavior study	F. R. Mustata, N. Tudorachi, I. Bicu	Industrial & Engineering Chemistry Research, 51, 8415-8424 (2012)
88. FE analysis applied for validation of a biostable aortic valve replacement device: stent and leaflet material selection	N. Fernandez-Perez, S. Gonzalez-Lopez, C. Rodriguez-Riviero, C. Ciobanu, G. Saint-Pierre L. E. Nita, A. P. Chiriac, M. T. Nistor, L. Tartau	International Journal of Biomedical Engineering and Technology, 9, 378-394 (2012)
89. Indometacin uptake into poly(2-hydroxyethyl methacrylate-co-3,9-divinyl-2,4,8,10-tetraoxaspiro[5.5]-undecane) network: In vitro and in vivo controlled release study	N. Fernandez-Perez, S. Gonzalez-Lopez, C. Rodriguez-Riviero, C. Ciobanu, G. Saint-Pierre L. E. Nita, A. P. Chiriac, M. T. Nistor, L. Tartau	International Journal of Pharmaceutics, 426, 90-99 (2012)
90. In vitro controlled release of antihypertensive drugs intercalated into unmodified SBA-15 and MgO modified SBA-15	I. F. Alexa, M. Ignat, R. F. Popovici, D. Timpu, E. Popovici	International Journal of Pharmaceutics, 436, 111-119 (2012)
91. The effect of hard sequence ordering on the mehanical behavior of polyurethane elastomers	C. Prisacariu, E. Scortanu, B. Agapie	International Journal of Polymer Analysis and Characterization, 17, 312-320 (2012)
92. Chemical synthesis and characterization of self-doped N-propanesulfonic acid polyaniline derivatives	M. Grigoras, A. M. Catargiu, F. Tudorache, M. Dobromir	Iranian Polymer Journal, 21, 131-141 (2012)
93. Synthesis and optoelectronic characterization of some star-shaped oligomers with benzene and triphenylamine cores	T. Ivan, L. Vacareanu, M. Grigoras	ISRN Organic Chemistry, volume 2012, Article ID 976178, 1-11 (2012)

94. Copyrolysis of scrap tires with oily wastes
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95. Thermal degradation of magnetite nanoparticles with hydrophilic shell
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97. Investigation on structure and thermal behavior of 4,4'-dihydroxyazobenzene functionalized with epoxy groups
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98. An electrochemically study of two self-dopable water-soluble anilines: Electrochemical deposition of copolymers
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99. Degradation of crosslinked poly(ester urethanes) elastomers in distilled water: Influence of hard segment
S. Oprea
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100. Poly(ether imide)s containing cyano substituents and thin films from them
I. Bacosca, E. Hamciuc, M. Cristea, G. Lisa, M. Bruma
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101. Amphiphilic polysilane with poly(ethylene oxide) side chains
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102. Surface properties and biocompatibility of cellulose acetates
A. M. Dobos, I. Stoica, N. Olaru, L. Olaru, E. G. Ioanid, S. Ioan
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103. Thermal, dynamic mechanical and dielectric analyses of some polyurethane biocomposites
D. Macocinschi, D. Filip, S. Vlad, M. Cristea, V. Musteata, S. Ibanescu
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104. Synthesis, evaluation and preliminary antibacterial testing of hybrid composites based on urethane oligodimethacrylates and Ag nanoparticles
T. Buruiana, V. Melinte, A. Chibac, S. Matiut, L. Balan
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105. Indomethacin-loaded polymer nanocarriers based on poly(2-hydroxyethyl methacrylate-co-3,9-divinyl-2,4,8,10-tetraoxaspiro[5.5] undecane: Preparation, in vitro and in vivo evaluation
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106. The influence of particle clustering on the rheological properties of highly concentrated magnetic nanofluids
D. Susan-Resiga, V. Socoliu, T. Boros, T. Borbath, O. Marinica, A. Han, L. Vekas
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I. M. Pelin, A. Piednoir, D. Machon, P. Farge, C. Pirat, S. M. M. Ramos
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T. Buruiana, V. Melinte, F. Jitaru, H. Aldea, E. C. Buruiana
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G. Marinescu, A. M. Madalan, S. Shova, M. Andruh
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