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LGP2 - Communications at scientific congresses without proceedings - 2011

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Oral presentations

1- BILBAO-SAINZ C., BRAS J., WILLIAMS T., SENECHAL T., ORTS W.

HPMC reinforced with different cellulose nano-particles. 242nd ACS National Meeting & Exposition, Denver (USA), 28 august-1 September 2011, Abstracts of Papers AGFD-112

2- BRAS J., KLAMCZYNSKI A.P., WILLIAMS T., GLENN G.M., ORTS W., DUFRESNE A.

Extruded thermoplastic starch with cellulose nanofibrils: process and properties. 241st ACS National Meeting & Exposition, Anaheim (USA), 27-31 march 2011, Abstracts of Papers CELL-74

3- BRAS J., CHIOU B.S., SENECHAL T., TAPIN-LINGUA S., ORTS W.

Impact of different nanocellulose on fish gelatin biocomposites properties. 241st ACS National Meeting & Exposition, Anaheim (USA), 27-31 march 2011, Abstracts of Papers

4- BRAS J.

Agromolecule for barrier packaging and cellulose nanocrystals. Innovation Technologique dans la Filière Bois, Mardi Technique Axelera, Grenoble (France), 12 april 2011

5- BRAS J., GUERIN D., GIRARD F..

Biomaterials in current use. FlexPakRenew Workshop, Lyon (France), 10 may 2011

6- BRAS J.

Nanopolysaccharides in paper industry. InterFibres, Bordeaux (France), 5-7 september 2011

7- CHIRAT C., BOIRON L., LACHENAL D., POUYET F., SUCKLING I.

Simultaneous production of ethanol and softwood kraft pulp: adapted operating conditions. 3rd Nordic Wood Biorefinery Conference, Stockholm (Sweden), 22-24 march 2011

8- DUFRESNE A.

Extrusion of cellulosic nanoparticles based nanocomposites. 241st ACS National Meeting & Exposition, Anaheim (USA), 27-31 march 2011, Abstracts of Papers CELL-138

9- DUFRESNE A.

Nanocomposites from biological sources", Training School "Synthesis of hybrid organic-inorganic nanoparticles for innovative nanostructured composites. COST Action MP0701: Composites with Novel Functional and Structural Properties by Nanoscale Materials (Nano composite materials-Ncm), Naples (Italy), 28 february -2 march 2011

10- JOFFRE T., ROLLAND DU ROSCOAT S., DUMONT P., PASSAS R., NEAGU C., GAMSTEDT K.

Moisture-induced deformation of wood fibre on the tracheid and cell-wall layer level. COST Workshop Hierarchical Structure and Mechanical Characterization of Wood, Helsinki (Finland), 24-25 august 2011

11- LE CORRE D., BRAS J., DUFRESNE A.

Starch nanocrystals: the new bionanoparticles ? FlexPakRenew Workshop, Lyon (France), 10 may 2011

12- MARTIN C., BRAS J., THIABAUD A.

Rheological behaviour of aqueous suspensions of cellulose whiskers. 7th Annual European Rheology Conference, Suzdal (Russia), 10-14 may 2011

13- MARTINEZ P., RUEFF M., GUERIN D., MORIN V.

CFD simulation and experimental study of the flow in the cavities of a slide die curtain coater. European Coating Symposium, Turku (Finland), 8-10 june 2011

14- MARULIER C., DUMONT P., ORGEAS L., CAILLERIE D., ROLLAND DU ROSCOAT S.
Microstructure and mechanical representative elementary volumes (REV) of natural fibres networks. COST Workshop Hierarchical Structure and Mechanical Characterization of Wood, Helsinki (Finland), 24-25 august 2011

15- MISSOUM K., BELGACEM N., BRAS J.
Ionic liquids: green process for modifying nano-fibrillated cellulose surface chemistry. Sunpap International Workshop, Espoo (Finlande), 6 october 2011

16- ROUX J.C., BLOCH J.F., NORTIER P.
Energetic optimization for assessing the shortening kinetics of fibres in pulp refining. Progress in Paper Physics Seminar, Graz (Austria), 5-8 september 2011, p. 19-20

17- VIGUIE J., DUMONT P., MAURET E., VACHER P., ROLLAND DU ROSCOAT S.
Analysis of the hygroexpansive behaviour of a fibrous lignocellulosic material by correlation of images obtained by X-ray microtomography. Conférence Interpore, Bordeaux (France), march 2011

Poster presentations

18- BRAS J., KLAMCZYNSKI A.P., WILLIAMS T., GLENN G.M., ORTS W.J., DUFRESNE A.
Extruded thermoplastic starch with cellulose nanofibrils: process and properties. 241st ACS National Meeting & Exposition, Anaheim (USA), 27-31 mars 2011

19- BRAS J., CHIOU B.S., SENECHAL T., TAPIN-LINGUA S., ORTS W.J.
Impact of different nanocellulose on fish gelatine biocomposites properties. 241st ACS National Meeting & Exposition, Anaheim (USA), 27-31 mars 2011

20- BRAS J., BRUZZESE C., DUREAULT P., CHAUVE G., BELGACEM N., BOUCHARD J., DUFRESNE A.
Mechanical properties of nanocomposites with industrial redispersable dried nanocrystalline cellulose. Biopol, Strasbourg (France), 2011

21- CHAUVE G., DUREAULT P., DUFRESNE A., BRUZZESE C., BELGACEM M.N., BOUCHARD J., BRAS J.
Nanocrystalline cellulose modification and evaluation of its new features. International Conference on Nanotechnology for Renewable Materials, Arlington (USA), 6-8 juin 2011, p. 36

22- ESPINO PEREZ E. DOMENEK S., POMMET M., GUINAULT A., DUCRUET V., BRAS J.
Influence of surface chemical modification of cellulose nanowhiskers on mechanical and barrier properties of bionanocomposites based poly(lactide). Biopol, Strasbourg (France), 2011

23- HADDAD.A., MARECHAL.A., LACHENAL.D., JANIN.G., LABIOD.M..

Pulp and paper characteristics of Aleppo pine wood (Pinus halepensis Mill) by soda-anthraquinone process. 4th International Conference on Mediterranean Pines (Medpine4), Avignon (France) 6-10 juin 2011

24- HALMA M., LACHENAL.D., DERONZIER A., MARLIN N., ZARUBIN M.

Degradation of lignin model dimers using H₂O and copper (II) phenanthroline. 31st French-Brazilian Meeting on Polymers, Florianopolis (Brazil), 25-29 avril 2011

25- JABBOUR L., CHAUSSY D., GERBALDI C., BONGIOVANNI R., ZENO E., BENEVENTI D.

Preparation of flexible graphite/paper composite electrodes for Li-ion cells by UV-curing. Frontiers in Polymer Science, Lyon (France), 29-31 mai 2011

26- LAVOINE N., DESLOGES I., BRAS J.

Impact of different coating processes of MFC on barrier and mechanical properties. International Conference on Nanotechnology for Renewable Materials, Arlington (USA), 6-8 juin 2011, p. 38

27- LE CORRE D., BRAS J., DUFRESNE A.

Innovative strategies for isolating starch nanocrystals. TAPPI International Conference on Nano- for Renewable Materials, Arlington (USA), 6-8 juin 2011, p. 35

28- LE CORRE D., GALLUR M., BRAS J., ANCEJO S., DUFRESNE A.

Potential of PEA starch nanocrystals: a comparison with other common sources. TAPPI International Conference on Nano- for Renewable Materials, Arlington (USA), 6-8 juin 2011, p. 33

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