



LGP2, un pôle de recherche innovant

🏠 > Recherche > Production scientifique

LGP2 - Publications scientifiques dans des revues à comité de lecture avec Impact Factor (IF) - 2011

LGP₂



- 1- ABDERRAHMEN R., GAVORY C., CHAUSSY D., BRIANCON S., FESSI H., BELGACEM N.
Industrial pressure sensitive adhesives suitable for physicochemical microencapsulation.
International Journal of Adhesion and Adhesives, 2011, 31 (7), pp. 629-633
- 2- ALLIX J., ZENO E., NORTIER P., BENEVENTI D.
Roles of surfactant and fibres on fibre transport in a small flotation deinking column.
Chemical Engineering Journal, 2011, 168 (2), pp. 525-534
- 3- ALLOIN F., D'APREA A., DUFRESNE A., EL KISSI N., BOSSARD F.
Poly(oxyethylene) and ramie whiskers based nanocomposites. Influence of processing: extrusion and casting/evaporation. Cellulose, 2010, 18 (4), pp. 957-973
- 4- BELBEKHOUCHE S., BRAS J., SIQUEIRA G., CHAPPEY C., LEBRUN L., KHELIFI B., MARAIS

S., DUFRESNE A.

Water sorption behavior and as barrier properties of cellulose whiskers and microfibrils films. Carbohydrate Polymers, 2011, 83 (4), pp. 1740-1748

5- BELGACEM M.N., BROCHIER-SALON M.C., KROUIT M., BRAS J.

Recent advances on the surface chemical modification of cellulose fibres. Journal of Adhesion Science and Technology, 2011, 25, pp. 661-684

6- BEN MABROUK A., MAGNIN A., BELGACEM M.N., BOUFI S.

Melt rheology of nanocomposites based on acrylic copolymer and cellulose whiskers. Composites Science and Technology, 2011, 71 (6), pp. 818-827

7- BEN MABROUK A., KADDAMI H., MAGNIN A., BELGACEM M.N., DUFRESNE A., BOUFI S.

Preparation of nanocomposite dispersions based on cellulose whiskers and acrylic copolymer by mini-emulsion polymerization: effect of the silane content. Polymer Engineering and Science, 2011, 51 (1), pp. 62-70

8- BEN MABROUK A., REI VILAR M., MAGNIN A., BELGACEM N., BOUFI S.

Synthesis and characterization of cellulose whiskers/polymer nanocomposite dispersion by mini-emulsion polymerization. Journal of Colloid and Interface Science, 2011, 363 (1), pp. 129-136

9- BENDAHOU A., KADDAMI H., ESPUCHE E., GOUANVE F., DUFRESNE A.

Synergism effect of montmorillonite and cellulose whiskers on the mechanical and barrier properties of natural rubber. Macromolecular Materials and Engineering, 2011, 296 (8) pp. 760-769

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

HPMC reinforced with different cellulose nano-particles. Carbohydrate Polymers, 2011, 86 (4), pp. 1549-1557

11- BRAS J., VIET D., BRUZZESE C., DUFRESNE A.

Correlation between stiffness of sheets prepared from cellulose whiskers and nanoparticles dimensions. Carbohydrate Polymers, 2011, 84 (1), pp. 211-215

12- BROCHIER-SALON M.C., BELGACEM M.N.

Hydrolysis-Condensation Kinetics of Different Silane Coupling Agents. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, pp. 240-254

13- CATETO C.A., BARREIRO M.F., RODRIGUES A.E., BELGACEM N.

Kinetic study of the formation of lignin-based polyurethanes in bulk. Reactive & Functional Polymers, 2011, 71 (8), pp. 863-869

14- CHARVET A., ROLLAND DU ROSCOAT S., PERALBA M., BLOCH J.F., GONTHIER Y.

Contribution of synchrotron X-ray holotomography to the understanding of liquid distribution in a medium during liquid aerosol filtration. Chemical Engineering Science, 2011, 66 (4), pp. 624-631

15- CHAUSSY D., MARTIN C., ROUX J.C.

Rheological behaviour of cellulose fibre suspensions: application to paper making processing. Industrial & Engineering Chemistry Research, 2011, 50 (6), pp. 3524-3533

16- CHIAPPONE A., NAIR J.R., GERBALDI C., JABBOUR L., BONGIOVANNI R., ZENO E., BENEVENTI D., PENAZZI N.

Microfibrillated cellulose as reinforcement for Li-ion battery polymer electrolytes with excellent mechanical stability. Journal of Power Sources, 2011, 196 (23), pp. 10280-10288

17- CLEMENT S., GOUILLER A., OTTENIO P., NIVELON S., HUBER P., NORTIER P.

Speciation and supersaturation model in papermaking streams. Process Safety and Environmental Protection, 2011, 89 (1), pp. 67-73

18- DA SILVA MOURAO J., ZENO E., MAURET E.

Effect of resin acid and hemicelluloses on alkyl ketene dimer sizing. Journal of Adhesion Science and Technology, 2011, 25 (6-7), pp. 743-760

19- DENNEULIN A., BRAS J., CARCONE F., NEUMAN C., BLAYO A.

Impact of ink formulation on carbon nanotube network organization within inkjet printed conductive films. Carbon, 2011, 49 (8), pp. 2603-2614

20- DENNEULIN A., BLAYO A., NEUMAN C., BRAS J.

Infrared assisted sintering of inkjet printed silver tracks on paper substrates. Journal of Nanoparticle Research, 2011, 13 (9), pp. 3815-3823

21- DENNEULIN A., BRAS J., BLAYO A., NEUMAN C.

Substrate pre-treatment of flexible material for printed electronics with carbon nanotube based ink. Applied Surface Science, 2011, 257 (8), pp 3645-3651

22- DUFRESNE A.

Polymer nanocomposites reinforced with polysaccharide nanocrystals. International Journal of Nanotechnology, 2011, vol. 8, no 10-12, pp. 795-805

23- EL ZAWAWY W., IBRAHIM M.M., BELGACEM N., DUFRESNE A.

Characterization of the effects of lignin and lignin complex particles as filler on a polystyrene film. Materials Chemistry and Physics, 2011, 131 (1-2), pp. 348-357

24- GARCIA N.L., RIBBA L., DUFRESNE A., ARANGUREN M., GOYANES S.

Effect of glycerol on the morphology of nanocomposites made from thermoplastic starch and starch nanocrystals. Carbohydrate Polymers, 2011, 84 (1), pp. 203-210

25- GOFFIN A.L., RAQUEZ J.M., DUQUESNE E., SIQUEIRA G., HABIBI Y., DUFRESNE A., DUBOIS P.

From interfacial ring opening polymerization to melt processing of cellulose

nanowhisker-filled polylactide-based nanocomposites. Biomacromolecules, 2011, 12 (7), pp. 2456-2465

26- GOFFIN A.L., RAQUEZ J.M., DUQUESNE E., HABIBI Y., DUFRESNE A., DUBOIS P.
Poly(ϵ -caprolactone) based nanocomposites reinforced by surface-grafted cellulose nanowhiskers via extrusion processing: morphology, rheology and thermo-mechanical properties. Polymer, 2011, 52 (7), pp. 1532-1538

27- GROS F., BAUP S., AUROUSSEAU M.
Copper cementation on zinc and iron mixtures: Part 1: results on rotating disc electrode. Hydrometallurgy, 2011, 106 (1-2), pp. 127-133

28- GROS F., BAUP S., AUROUSSEAU M.
Copper cementation on zinc and iron mixtures: Part 2: fluidized bed configurations. Hydrometallurgy, 2011, 106 (1-2), pp. 119-126

29- HUANG J., ZOU J.W., CHANG P.R., YU J.H., DUFRESNE A.
New waterborne polyurethane-based nanocomposites reinforced with low loading levels of chitin whisker. Express Polymer Letters 5 (4), 362-373 (2011)

30- KHIARI R., MEKSI N., MEHNNI F., BELGACEM M.N., MAURET E.
Sodium carboxymethylate cellulose from date palm rachis as a sizing agent for cotton yarn. Fibers and Polymers, 2011, 12 (5), pp. 587-593

31- KHIARI R., MAURET E., BELGACEM M.N., MHEMMI F.
Tunisian date palm rachis used as an alternative source of fibres for papermaking applications. Bioresources, 2011, 6(1), pp. 265-281

32- KHIARI R., MHENNI F.M., BELGACEM M.N., MAURET E.
Valorisation of vegetal wastes as a source of cellulose and cellulose derivatives. Journal of Polymers and the Environment, 2011, 19 (1), pp. 80-89

33- KHIARI R., MARRAKCHI Z., BELGACEM N., MAURET E., MHENNI F.
New lignocellulosic fibres-reinforced composite materials: a stepforward in the valorisation of the Posidonia oceanica balls. Composites Science and Technology, 2011, 71 (16), pp. 1867-1872

34- LATIL P., ORGEAS L., GEINDREAU C., DUMONT P., ROLLAND DU ROSCOAT S.
Towards the 3D in situ characterisation of deformation micro-mechanisms within a compressed bundle of fibres. Composites Science and Technology, 2011, 71 (4), pp. 480-488

35- LE CORRE D., BRAS J., DUFRESNE A.
Ceramic membrane filtration for isolating starch nanocrystals. Carbohydrate Polymers,

2011, 86 (4), pp. 1565-1572

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

Evidence of micro- and nano-scaled particles during starch nanocrystals preparation and their isolation. Biomacromolecules, 2011, 12 (8), pp. 3039-3046

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

Influence of botanic origin and amylose content on the morphology of starch nanocrystals. Journal of Nanoparticle Research, 2011, 13 (12), pp. 7193-7208

38- LEMAHIEU L., BRAS J., TIQUET P., AUGIER S., DUFRESNE A.

Extrusion of nanocellulose-reinforced nanocomposites using the dispersed nano-objects protective encapsulation (DOPE) process. Macromolecular Materials and Engineering, 2011, 296 (11), pp. 984-991

39- MACIEL C.G., BELGACEM M.N., ASSAF J.M.

Performance of CuO-CeO₂ catalysts with low copper content in CO preferential oxidation reaction. Catalysis Letters, 2011, 141, pp. 316-321

40- MARRAKCHI Z., KHIARI R., OUESLATI H., MAURET E., MEHNNI F.

Pulping and papermaking properties of tunisian alfa stems (Stipa tenacissima) - Effects of refining process. Industrial Crops and Products, 2011, 34 (3), pp. 1572-1582

41- MELE P., ANGELLIER-COUSSY H., MOLINA-BOISSEAU S., DUFRESNE A.

Reinforcing mechanism of starch nanocrystals in a non-vulcanized natural rubber matrix. Biomacromolecules, 2011, 12 (5), pp. 1487-1493

42- MOUSSAOUI Y., FERHI F., ELALOU E., BEN SALEM R., BELGACEM N.

Utilisation of Astragalus armatus roots in papermaking. BioResources, 2011, 6 (4), pp. 4969-4978

43- NORTIER P., CHAGNON A., LEWIS A.

Modelling the solubility in in Bayer liquors: a critical review and new models. Chemical Engineering Science, 2011, 66 (12), pp. 2596-2605

44- RAMIRES E., DUFRESNE A.

A review of cellulose nanocrystals and nanocomposites. Tappi Journal, 2011, 10 (4), pp. 9-16

45- SAIDI A., MARTIN C., MAGNIN A.

Effects of surface properties on the impact process of a yield stress fluid drop. Experiments in Fluids, 2011, 51 (1), pp. 211-224

46- SASSO C., BENEVENTI D., ZENO E., PETIT-CONIL M., CHAUSSY D., BELGACEM M.N.

Carboxymethylcellulose: a conductivity enhancer and film-forming agent for processable polypyrrole from aqueous medium. Synthetic Metals, 2011, 161 (5-6), pp.397-403

- 47- SASSO C., BENEVENTI D., ZENO D., CHAUSSY D., PETIT-CONIL M., BELGACEM N.
Polypyrrole and polypyrrole/wood-derived materials conducting composites: a review. BioResources, 2011, 6 (3), pp. 3585-3620
- 48- SASSO C., BRUYANT N., BENEVENTI D., FAURE-VINCENT J., ZENO E., PETIT-CONIL M., CHAUSSY D., BELGACEM N.
Polypyrrole (PPy) chemical synthesis with xylan in aqueous medium and production of highly conducting PPy/nanofibrillated cellulose films and coatings. Cellulose, 2011, 18 (6), pp. 1455-1467
- 49- SERRIS E., FAVERGEON L., PIJOLAT M., SOUSTELLE M., NORTIER P., GARTNER R. S., CHOPIN T., HABIB Z.
Study of the hydration of CaO powder by gas-solid reaction. Cement and Concrete Research, 2011, 41 (10), pp. 1078-1084
- 50- SHARARI M., JAHAN LATIBARI A., GUILLET A., AUROUSSEAU M., MOUHAMADOU B., RAFEIEE G., MIRSHOKRAEI A., PARSAPAGHOUH D.
Application of the white rot fungus Phanerochaete chrysosporium in biotreatment of bagasse effluent. Biodegradation, 2011, 22 (2), pp. 421-430
- 51- SIQUEIRA G., LABORIE M.P., FRASCHINI C., BRAS J., PRUD'HOMME R., DUFRESNE A.
Impact of the nature and shape of cellulosic nanoparticles on the isothermal crystallization kinetics of poly(-caprolactone). European Polymer Journal, 2011, 47 (12), pp. 2216-2227
- 52- SIQUEIRA G., TAPIN-LILNGUA S., BRAS J., DA SILVA PEREZ D., DUFRESNE A.
Mechanical properties of natural rubber nanocomposites reinforced with cellulosic nanoparticles obtained from enzymatic and acid hydrolysis of sisal fibers. Cellulose, 2011, 18 (1), pp. 57-65
- 53- VIGUIE J., DUMONT P., MAURET E., ROLLAND DU ROSCOAT S., VACHER P., DESLOGES I., BLOCH J.F.
Analysis of the hygroexpansion of a lignocellulosic fibrous material by digital correlation of images obtained by X-ray synchrotron microtomography: application to a folding box board. Journal of Materials Science, 2011, 46 (14), pp. 4756-4769
- 54- VIGUIE J., DUMONT P., ORGEAS L., VACHER P., DESLOGES I., MAURET E.
Surface stress and strain fields on compressed panels of corrugated board boxes. An experimental analysis by using digital image stereocorrelation. Composite Structures, 2011, 93 (11), pp. 2861-2873
- 55- VILASECA F., PUIG J., PELACH M.A., EL-MANSOURI N.E., ALCALA M., ROUX J.C., MUTJE P.
Study and modelling of the disintegration kinetics of coated paper. Bioresources, 2011, 6 (2), pp. 1659-1669