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LGP2 - Communications at scientific congresses without proceedings - 2016

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Oral presentations

1. CHAPELAIN J.C.M., FAURE. S, BENEVENTI. D.

Clay flotation: Effect of TTAB cationic surfactant on foaming and stability of Illite clay microaggregates foams. EUFOAM, Dublin (Ireland), 3-6 july 2016

2. DUFRESNE A.

Melt processing of cellulose-based nanocomposites and high mechanical performance : Inherent incompatibility? 251st ACS National Meeting and Exposition, San Diego (USA), 13-17 march 2016

3. DUFRESNE A., LUCAS A.A., FIGUEIREDO PRADO A.C., DE MENEZES A.J., PESSAN L.A., LAROCCA N.M., DE FREITAS G.A., FRACA M., DO VAL P.C.

Polyethylene cellulose nanofibrils nanocomposites International Conference on

Nanotechnology for Renewable Materials, TAPPI, Grenoble (France), 13-16 june 2016

4. EL KISSI N., MALLADI N., **DUFRESNE A.**

Melt extrusion of modified cellulose nanocrystals with polypropylene. 32nd International Conference of the Polymer Processing Society (PPS 32), Lyon (France), 25-29 july 2016

5. FAURE V., **DENNEULIN A.**, RHARBI Y., MAGNIN A., **BLAYO A.**

Influence of drying temperature on inkjet printed droplets morphology by using silver nanoparticles based ink: relation with electrical performances. International Exhibition and Conference for the Printed Electronics Industry (LOPEC), München (Germany), 6-7 april 2016

6. GICQUEL E., MARTIN C., PIGNON F., JEAN B., **BRAS J.**

Stimuli responsive cellulose nanocrystals hydrogel for smart applications. 251st ACS National Meeting and Exposition, San Diego (USA), 13-17 march 2016

7. HOENG F., **DENNEULIN A.**, **BRAS J.**

Screen-printing of cellulose nanofibrils-silver nanowires ink for transparent conductive electrodes. International TAPPI Conference on Nanotechnology for Renewable Materials, Grenoble (France), 13-16 june 2016

8. LAVOINE N., **BRAS J.**, SAITO T., ISOGAI A.

Heat-induced conversion of ionic bonds to amides or the way to improve the thermal stability of TEMPO-oxidized cellulose nanofibrils. 251st ACS National Meeting and Exposition, San Diego (USA), 13-17 march 2016

9. MALLADI N., EL KISSI N., **DUFRESNE A.**

Melt extrusion of adsorbed cellulose nanocrystals with polyethylene: A small angle x-ray scattering characterization (SAXS). International Conference on Nanotechnology for Renewable Materials, TAPPI, Grenoble (France), 13-16 june 2016

10. MARIANO M., EL KISSI N., **DUFRESNE A.**

Cellulose nanocrystal reinforced oxidized natural rubber. International Conference on Nanotechnology for Renewable Materials, TAPPI, Grenoble (France), 13-16 june 2016

11. RAYNAUD S., **DUFRESNE A.**, GUERIN D.

Dispersion of layered silicates in composites of poly(vinyl alcohol) and microfibrillated cellulose for water vapour barrier improvement. International Conference on Nanotechnology for Renewable Materials, TAPPI, Grenoble (France), 13-16 june 2016

12. REY C., BAUP S., **DUFRESNE A.**, HENGL N., PIGNON F.

Characterization of hydrodynamic conditions and structural organization in the deposit created during crossflow ultrafiltration membrane process assisted by ultrasound: Application to biorefinery. International Conference on Nanotechnology for Renewable Materials, TAPPI, Grenoble (France), 13-16 june 2016

13. SMYTH M., FOURNIER C., PICART C., FOSTER J., BRAS J.

Nanocellulose based materials for differentiating cell growth. 251st ACS National Meeting and Exposition, San Diego (USA), 13-17 march 2016

14. THENOT V., DEPRES G., CURTIL D., REVERDY-BRUAS N., SAADAOU M.

Comparative study of selective sintering methods by in-situ resistance monitoring of printed lined on paper substrate. European Materials Research Society Meeting, Lille (France), 2-6 may 2016

Poster presentations

15. DUFRESNE A., MARIANO M., EL KISSI N.

Crystallization effect of different cellulose nanocrystals in PBAT nanocomposites.

International TAPPI Conference on Nanotechnology for Renewable Materials, Grenoble (France), 13-16 june 2016

16. DUFRESNE A., PUTAUX J.L., MARIANO M., FLAUZINO NETO W.P.

Morphology of Cellulose nanocrystals II recrystallized from sulfuric acid.

International TAPPI Conference on Nanotechnology for Renewable Materials, Grenoble (France), 13-16 june 2016

17. GICQUEL E., ABBATTISTA C., JEAN B., PIGNON F., MARTIN C., BRAS J.

Cellulose nanocrystals as new bio-based support in thermo-responsive hydrogels for bio-compatible smart applications.

International TAPPI Conference on Nanotechnology for Renewable Materials, Grenoble (France), 13-16 june 2016

18. GOSSELIN D., BERTHIER J., BAUMLIN J.M., JOYARD-PITOT B., BELGACEM N., CHAUSSY D.

Embossed microchannels in paper for spontaneous capillary flows. 4th International Soft Matter Conference, Grenoble (France), 12-16 september 2016

19. GOSSELIN D., BAUMLIN J.M., JOYARD-PITOT B., NAVARRO F., BELGACEM N., CHAUSSY D., BERTHIER J.

Open microfluidics in embossed paper micro-channels. 20th International Conference on Miniaturized Systems for Chemistry and Life Sciences (MicroTAS 2016), Dublin (Ireland), 9-13 october 2016

20. REVERDY C., TERRAGE D., BEURY N., MOREAU C., VILLARES A., CATHALA B., BRAS J.

Xyloglucan and cellulose nanofibrils assembly for barrier material. 251st ACS National Meeting and Exposition, San Diego (USA), 13-17 march 2016