

Stéphane BRUZAUD

Articles à comité de lecture

- ACL1. "Anionic ring-opening polymerization of cyclodisilazanes: 1- General aspects"**
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- ACL2. "Ring-opening polymerization of organosilicon cyclic monomers"**
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- ACL3. "Polysilazanes through ring-opening polymerization"**
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- ACL4. "Anionic ring-opening polymerization of cyclodisilazanes: 2- Influence of additives on the kinetics of polymerization"**
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- ACL5. "Anionic ring-opening polymerization of cyclodisilazanes: Evaluation of the reactivity of active centers"**
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- ACL6. " ω -chloro- α -olefins as comonomers and termonomers for the synthesis of functional polyolefins"**
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- ACL8. "Synthesis and characterization of new functional polymers by polymer-analog reactions on EVOH copolymer"**
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- ACL9. "Polysiloxane-g-TiNbO₅ nanocomposites: synthesis via *in situ* intercalative polymerization and preliminary characterization"**
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- ACL10. "Preparation of polysiloxane-g-TiNbO₅ nanocomposites: different routes"**
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- ACL11. "Influence of clay nanofiller incorporation on electrical and rheological properties of conductive polymer composite"**
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- ACL12. "Elaboration of poly(ϵ -caprolactone)-g-TiNbO₅ nanocomposites via *in situ* metal complex initiated intercalative polymerization"**
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- ACL13. "Dynamics and crystallization in polydimethylsiloxane nanocomposites"**
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- ACL14. "Syndiotactic polystyrene/organoclay nanocomposites: synthesis via *in situ* coordination-insertion polymerization and preliminary characterization"**
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- ACL15. "Rheological characterization of polydimethylsiloxane-TiNbO₅ nanocomposites prepared by different routes"**
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- ACL17. "Thermal degradation and (nano)mechanical behaviour of layered silicate reinforced poly(3-hydroxybutyrate-co-3-hydroxyvalerate) nanocomposites"**
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- ACL18. "Effect of gamma irradiation on the structure and properties of polypropylene/clay nanocomposites"**
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- ACL19. "The *in situ* polymerization for the elaboration of nanocomposites materials with controlled properties"**
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- ACL20. "Photo-oxydation of polystyrene/clay nanocomposites under accelerated UV exposure: Effect on the structure and molecular weight"**
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- ACL21. "Carbon nanotubes/poly(ϵ -caprolactone) composite vapour sensors"**
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- ACL22. "Relationship between structure and rheological, mechanical and thermal properties of polylactide/Cloisite 30B nanocomposites"**
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- ACL24. "Structure and thermal behavior of Polyhedral Oligomeric Silsesquioxane modified clay"**
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- ACL25. "Effect of natural weather on the structure and properties of polylactide/Cloisite 30B nanocomposites"**
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- ACL26. "Characterization of bionanocomposites based on medium-chain-length polyhydroxyalkanoates synthesized by *Pseudomonas oleovorans*"**
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- ACL27. "The effects of reprocessing cycles on the structure and properties of isotactic polypropylene/Cloisite 15A nanocomposites"**
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- ACL29. "Morphology and functional properties of commercial polyhydroxyalkanoates: a comprehensive and comparative study"**
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- ACL33. "A study of mechanical, thermal and flammability properties of poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/polylactide blends"**
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- ACL34. "Poly(3-hydroxybutyrate-co-3-hydroxyvalerate) and poly(propylene carbonate) blends: an efficient method to finely adjust properties of functional materials"**
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- ACL35. "Poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/polylactide blends: thermal stability, flammability and thermo-mechanical behavior"**
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- ACL40. "Accelerated ageing and lifetime prediction of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) immersed in distilled water"**
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- ACL65. "Effects of various surface treatments on Aloe Vera fibers used as reinforcement in poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) biocomposites"**
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- ACL70. "Characterization of microplastics in the surface waters of an urban lagoon (Bizerte lagoon, Southern Mediterranean Sea): composition, density, distribution and influence of environmental factors"**
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- ACL71. "Pre-detection of microplastics using active thermography"**
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- ACL72. "Relative influence of plastic debris size and shape, chemical composition and phytoplankton-bacteria interactions in driving seawater plastisphere abundance, diversity and activity"**
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- ACL73. "Filler content effect on water uptake and thermal stability of poly(3-hydroxybutyrate-3-hydroxyhexanoate)/microcrystalline cellulose biocomposites"**
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- ACL76. "Design of polyhydroxyalkanoate (PHA) microbeads with tunable functional properties and high biodegradability in seawater"**
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- ACL78. "Characterization of new bio-based and biodegradable blends of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) / poly(butylene-co-succinate-co-adipate)"**
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- ACL79. "A degradation study of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) and olive husk flour biocomposites under marine environment"**
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- ACL82. "Effect of Agave leaves fibers (ALF) content on thermal, mechanical and surface properties of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) (PHBHHx) biocomposites"**
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- ACL83. "Effect of ZnO nanoparticles on tensile and viscoelastic properties of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) bionanocomposites"**
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Ouvrages

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- OUV2.** "Polyhydroxyalkanoates-based nanocomposites: an efficient and promising way of finely controlling functional material properties", in « Handbook of Polymer Nanocomposites: Processing, Performance and Application – Volume A: Layered Silicates », Edited by J.K. Pandey, R. Reddy, A.K. Mohanty and M. Misra, Springer-Verlag Berlin Heidelberg, ISBN 978-3-642-38649-7, **2014**, Chapter 1, pp 1-20
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Articles de vulgarisation

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