

ARTICLES dans des revues INTERNATIONALES – Comité de lecture –

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3.	CUI J., LI J.S., WANG J., KOU H.C., QIAO J.C., GRAVIER S., BLANDIN J.J. 'Rheological behavior of Cu-Zr-based metallic glass in the supercooled liquid region', <i>Journal of Alloys and Compounds 2014</i> , volume 592, pp189-195
4.	DEPLANCKE T., LAME O., ROUSSET F., AGUILI I., SEQUELA R., VIGIER G. 'Diffusion versus cocrystallization of very long polymer chains at interfaces: Experimental study of sintering of UHMWPE nascent powder' <i>Macromolecules 2014</i> , volume 47 (1), pp 197-207
5.	FIORIDO T., GALINEAU J., SALLES V., SEVEYRAT L., BELHORA F., COTTINET P., HUA L., LIU Y., GUIFFARD B., BOGNER-VAN DE MOORTELE A., EPICIER T., GUYOMAR D., BRIOUDEAJ A., ... & BRIOUDE A. 'Bifunctional organic/inorganic nanocomposites for energy harvesting, actuation and magnetic sensing applications'. <i>Sensors and Actuators A: Physical</i> , (2014). Volume 211, pp.105-114.
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9.	QIAO J.C., PELLETIER J.M., 'Dynamic universal characteristic of the main (α) relaxation in bulk metallic glasses' <i>Journal of Alloys and Compounds 2014</i> , Volume 589, pp 263-270
10.	QIAO J.C., PELLETIER J.M., ESNOUF C., LIU Y., KATO H., 'Impact of the structural state on the mechanical properties in a Zn-Co-Al bulk metallic glass', <i>J. of Alloys and Compounds 2014</i> , 607, pp. 139-149
11.	QIAO J.C., WANG H., PELLETIER J.M., KATO H. 'Pronounced tensile plasticity at room temperature in a Au ₆₅ Cu _{10.5} Ag _{7.5} Si ₁₇ metallic glass' <i>Materials Science and Engineering A 2014</i> , volume 600, pp. 32-36.
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3.	CAVAILLÉ J.Y., 'Comportement mécanique des élastomères en relation avec la mobilité moléculaire', <i>Groupe de Travail "Mécanique des Polymères", 7 juin 2012, Mines ParisTech</i>
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7.	MAKKE A., PEREZ M., LAME O., BARRAT J.L. 'Mechanical properties of homogenous and non-homogenous polymers, a mesoscale approach by coarse grained molecular dynamics', <i>ENCP, 5th International Conference on nanostructured polymers and composites Paris, France, 15-17 april, 2009.</i>
8.	MASENELLI-VARLOT K, CHAZEAU L, GAUTHIER C, BOGNER A, CAVAILLE JY, 'The relationship between the electrical and mechanical properties of polymer-nanotube nanocomposites and their microstructure', <i>Conference Information: CNT-NET 2007 Conference, sept 10-12, 2007 Cambridge, UK, Composites Science and Technology, Special Issue, 69(10), (2009) 1533-39</i>
9.	MATOS M., SANTONI N., MÜLLER-KARGER C., SABINO M., MULLER A., CHAZEAU L., BOGNER A., DAVID L. 'Morphological and rheological study of chitosane solutions and hydrogels crosslinked covalently with genipine for scaffolds', <i>9th International Conference of the European Chitin Society, Venice, Italy, 23-26 May 2009.</i>

COMMUNICATIONS et CONFERENCES PAR AFFICHES 2009-2014

Communication par affiches 2009-2014

1.	WANG Q., GRAVIER S., BLANDIN J.J., PELLETIER J.M., LU J., H.F. SONG, Y.D. DONG 'The effect of yttrium addition on crystallization kinetics and microstructure in a Cu-based bulk metallic glass.' <i>ISMAMAM 09, Beijing, China, 5-9 July 2009</i> (oral presentation).
2.	CALVAO P. S., GAUTHIER C., CHENAL J.-M., DEMARQUETTE N. R., DOS SANTOS A. M., CHAZEAU L., CAVAILLE J.-Y. 'Microstructure and physical properties of PHB or PHB-co-HV / elastomer blends'. <i>Second International Conference on Polymer Processing and Characterization (ICPPC – 2010), 15-17/01/2010, Kottayam, Kerala (Inde).</i>
3.	CHENAL J.M., ELMAJID I., GAUTHIER C., DEMARQUETTE N., DOS SANTOS A.M. 'Different ways to change the biodegradability of polyhydroxybutyrate-co-valerate' <i>26th Annual meeting of the polymer processing society, PPS 2010, Banff (Canada), 4-8/07/10</i>
4.	CHENAL J.M., ELMAJID I., GAUTHIER C., DEMARQUETTE N., DOS SANTOS A.M., VAN DE MOORTELE A. 'Relationship between the microstructure and biodegradability of Polyhydroxybutyrate-co-valerate' <i>Frontiers in polymer science, Lyon (France), 29-31/05/11</i>
6.	FORAY G., CARDINAL S., MALCHERE A., PELLETIER J.M. 'Mechanical Spectroscopy: a tool to characterize cement latex composites'. <i>ICIFMS, Lausanne (Suisse), July 3-8 2011.</i> (oral presentation).
7.	PELLETIER J.M., GAUTHIER C., BLANDIN J.J., GRAVIER S. 'Mechanical response of bulk metallic glasses: Investigation by mechanical spectroscopy and compression tests' <i>ICIFMS, Lausanne (Suisse), July 3-8 2011</i> (oral presentation).
8.	CANDAU N., CHAZEAU L., CHENAL J.M., GAUTHIER C., MUNCH E. 'Strain induced crystallization of natural rubber : High strain rate' <i>15th International Conference on Deformation. Yield and Fracture of Polymers, Rolduc, Kerkrade (Pays Bas), 1-5/04/2012</i>

9.	<u>CHENAL M.</u> , <u>RIEGGER J.</u> , <u>VÉCHAMBRE C.</u> , <u>CHENAL J.M.</u> , <u>CHAZEAU L.</u> , <u>CRETON C.</u> , <u>BOUTEILLER L.</u> ‘Solvent-free high performance coatings’ <i>Copamphi2012, Toulouse (France), 5-7/06/2012</i>
10.	<u>FONTENEAU C.</u> , <u>CALLIES X.</u> , <u>VECHAMBRE C.</u> , <u>DUCOURNET G.</u> , <u>CRETON C.</u> , <u>CHENAL J.M.</u> , <u>CHAZEAU L.</u> , <u>PENSEC S.</u> , <u>BOUTEILLER L.</u> ‘Synthesis of well controlled polacrylates containing hydrogen bonding moieties for adhesion’ <i>International Conference on Polymer Synthesis Warwick (Angleterre), 9-12/07/2012</i>
11.	<u>HUMBERT S.</u> , <u>LAME O.</u> , <u>CHENAL J.M.</u> , <u>ROCHAS C.</u> , <u>SÉGUÉLA R.</u> , <u>VIGIER G.</u> ‘Memory effect of the molecular topology of isotropic lamellar HDPE on the strain-induced fibrillar microstructure’ <i>15th International Conference on Deformation. Yield and Fracture of Polymers, Rolduc, Kerkrade (Pays Bas), 1-5/04/2012</i>
12.	<u>LAGMACH R.</u> , <u>BIBEN T.</u> , <u>CHAZEAU L.</u> , <u>CHENAL J.M.</u> ‘Modeling the strain-induced crystallization in elastomers’ <i>15th International Conference on Deformation. Yield and Fracture of Polymers, Rolduc, Kerkrade (Pays Bas), 1-5/04/2012</i>
13.	<u>QIAO J.</u> , <u>PELLETIER J.M.</u> and <u>WANG W.H.</u> ‘Mechanical relaxation inn bulk metallic glasses’ <i>TMS, Orlando (USA), 11-15 March 2012</i> (oral presentation).
14.	<u>SALLES KURUSU R.</u> , <u>DEMARQUETTE N.R.</u> , <u>GAUTHIER C.</u> , <u>CHENAL J.M.</u> , ‘Mechanical Properties of Poly(3-hydroxybutyrate) P(3HB) and Poly(ethylene-co-methyl-acrylate -co-glycidyl-methacrylate) Blend’ <i>12th International Conference on Biocomposites: Transition to Green Materials, Niagara Falls (Canada), 06-08/05/12</i>
15.	<u>XIONG B.</u> , <u>LAME O.</u> , <u>CHENAL J.M.</u> , <u>ROCHAS C.</u> , <u>SEGUELA R.</u> , <u>VIGIER G.</u> ‘Influence of temperature on the cavitation/crystal shear competition in semi-crystalline polymers : In-situ SAXS and modeling’ <i>15th International Conference on Deformation. Yield and Fracture of Polymers, Rolduc, Kerkrade (Pays Bas), 1-5/04/2012</i>
16.	<u>APRETEUSI M.</u> , <u>STEYER P.</u> , <u>JOLY-POTTUZ L.</u> , <u>BILLARD A.</u> , <u>QIAO J.</u> , <u>CARDINAL S.</u> , <u>SANCHETTE F.</u> , <u>PELLETIER J.M.</u> and <u>ESNOUF C.</u> ‘Synthesis of Zr-Cu thin films metallic glass by magnetron sputtering and their microstructural evolution, thermal and mechanical properties.’ <i>ISMAMAM, Turin (Italie), 1-5 July 2013</i> (oral presentation).
17.	<u>CARDINAL S.</u> , <u>QIAO J.</u> and <u>PELLETIER J.M.</u> ‘A gold-base bulk solidifying amorphous alloy for jewelry’. <i>THERMEC 2013, Las Vegas (USA), 2-6 December 2013</i> (poster)
18.	<u>PELLETIER J.M.</u> , <u>QIAO J.</u> ‘Effet of thermal treatment and plastic deformation on the mechanical properties in Ti ₄₀ Zr ₂₅ Ni ₈ Cu ₉ Be ₁₈ bulk metallic glass’ <i>ISMAMAM, Turin (Italie), 1-5 July 2013</i> (oral presentation).
19.	<u>QIAO J.</u> , <u>PELLETIER J.M.</u> , <u>GRAVIER S.</u> and <u>BLANDIN J.J.</u> ‘High temperature deformation in a La ₆₀ Ni ₁₅ Al ₂₅ bulk metallic glass showing a pronounced beta relaxation’ <i>ISMAMAM, Turin (Italie), 1-5 July 2013;</i> (poster)
20.	<u>QIAO J.</u> and <u>PELLETIER J.M.</u> ‘Mechanical (alpha and beta) relaxations in various bulk metallic glasses’. <i>7 IDMRCS, Barcelona (Spain), 21-26 July 2013</i> (oral presentation)
21.	<u>CARDINAL S.</u> , <u>QIAO J.</u> , <u>PELLETIER J.M.</u> and <u>KATO H.</u> ‘Precious metals based bulk metallic glasses: thermal treatments and mechanical properties’ <i>BMG 10, Shanghai, Chine, 1-5 June 2014</i> (oral presentation)
22.	<u>QIAO J.</u> , <u>CASALINI R.</u> , <u>PELLETIER J.M.</u> and <u>KATO H.</u> ‘Characteristics of the structural and Johari-Goldstein relaxations in Pd-based bulk metallic glasses’ <i>BMG 10, Shanghai, Chine, 1-5 June 2014</i> (oral presentation).

Conférences par affiche

1.	<u>BARBIER C.</u> , <u>CHAZEAU L.</u> ‘Architecture and mechanical response of elastomer networks : a numerical study’, <i>FBPOL, Florianopolis, Brésil, Avril 2011.</i>
2.	<u>CALVAO P. S.</u> , <u>GAUTHIER C.</u> , <u>CHENAL J.-M.</u> , <u>DEMARQUETTE N. R.</u> , <u>DOS SANTOS A. M.</u> , <u>CHAZEAU L.</u> , <u>CAVAILLÉ J.-Y.</u> , ‘Microstructure and physical properties of PHB or PHB-co-HV / elastomer blends’, <i>Second International Conference on Polymer Processing</i>

	<i>and Characterization (ICPPC – 2010), 15-17 Janvier 2010, Kottayam, Kerala , India</i>
3.	<u>CANDAU N., CHAZEAU L., CHENAL J.M., GAUTHIER C., MUNCH E.</u> ‘Strain induced crystallization of natural rubber : High strain rate’ <i>15th International Conference on Deformation. Yield and Fracture of Polymers, Rolduc, Kerkrade (Pays Bas), 1-5/04/2012</i>
4.	<u>CHARLAIX E., GUILLEMOT L., BIBEN T., GALARNEAU A., VIGIER G.</u> ‘Water cavitation in hydrophobic mesopores’ 8th Liquid matter conference, September 2011, Wien (Austria)
5.	<u>CHAZEAU L., VIGIER G., CHENAL J.-M., PLANES E.</u> ‘Consequences of ageing under gamma irradiation on the crystalline microstructure and the mechanical properties of crosslinked EPDM’, <i>Second International Conference on Polymer Processing and Characterization (ICPPC – 2010), Kottayam, Kerala , India, 15-17 Janvier 2010</i>
6.	<u>DEPLANCKE T., LAME O., ROUSSET F., SEGUELA R., VIGIER G.</u> ‘Anomalous behavior of UHMWPE’ <i>processing by sintering ICFD 2013 Tohoku Univ Sendai</i>
7.	<u>DEPLANCKE T., LAME O., VIGIER G., ROUSSET F.</u> ‘Frittage du polyéthylène à ultra haute masse molaire’ <i>Colloque DEPOS 24, Ecully, Septembre 2012</i>
8.	<u>FONTENEAU C., CALLIES X., VECHAMBRE C., DUCOURNET G., CRETON C., CHENAL J.M., CHAZEAU L., PENSEC S., BOUTEILLER L.</u> ‘Synthesis of well controlled polacrylates containing hydrogen bonding moieties for adhesion’ <i>International Conference on Polymer Synthesis Warwick (Angleterre), 9-12/07/2012</i>
9.	<u>GUILLEMOT L., CHARLAIX E., VIGIER G., GALARNEAU A.</u> ‘Dynamic intrusion and extrusion of water in hydrophobic mesoporous materials’ <i>Faraday Discussion, April 2010, Virginia Commonwealth University (USA) Prix du meilleur Poster</i>
10.	<u>HUMBERT S., LAME O., SEGUELA R., CHENAL J.M., ROCHAS C., VIGIER G.</u> ‘Memory effect of the molecular topology of lamellar polyethylene on the strain-induced fibrillar structure’ <i>DYFP 15th International Conference on Deformation. Yield and Fracture on Polymer, Rolduc, Kerkrade, The Netherlands, 1-5 april, 2012</i>
11.	<u>LAGMACH R., BIBEN T., CHAZEAU L., CHENAL J.M.</u> ‘Modeling the strain-induced crystallization in elastomers’ <i>15th International Conference on Deformation. Yield and Fracture of Polymers, Rolduc, Kerkrade (Pays Bas), 1-5/04/2012</i>
12.	<u>MICHELIN-JAMOIS M., CHARLAIX E., VIGIER G.</u> ‘On the use of liquid/lyophobic mesopores particle systems in vibration damping’ <i>Third international conference on mmultifunctional, hybrids and nanomaterials, march 2013, Sorrento(Italy)</i>
13.	<u>MICHELIN-JAMOIS M., GUILLEMOT L., CHARLAIX E., VIGIER G.</u> ‘On the use of mesoporous materials/non wetting liquid systems in damping application : understanding phenomena from nanoscale to macroscale’ <i>17th International Zeolythe Conference, july 2013, Moscou (Russie)</i>
14.	<u>MILLOT C., LAME O., FILLOT L.-A., SOTTA P., SEGUELA R., VIGIER G.</u> ‘Effets mémoire dans le polyamide 6’ <i>Colloque DEPOS 24, Ecully, Septembre 2012</i>
15.	<u>SOUILLARD C., CAVAILLE J.-Y., CHAZEAU L., SCHACH R.</u> ‘Impact de la microstructure sur la mobilité locale dans les polymères diéniques en régime linéaire’ <i>Colloque DEPOS 24, Ecully, 09/2012</i>
16.	<u>SOUILLARD C., CAVAILLÉ J.-Y., CHAZEAU L., SCHACH R.</u> ‘Impact of elastomer microstructure on the local mobility in linear regime(2013)’ <i>Proceedings of the 8th European Conference on Constitutive Models for Rubbers, ECCMR 2013, pp. 305-307 San Sebastian; Spain; 25 /28 June 2013</i>
17.	<u>XIONG B., LAME O., CHENAL J.M., ROCHAS C., SEGUELA R., VIGIER G.</u> ‘Influence of temperature on cavitation/crystal shear competition in semi-crystalline polymer: in-situ SAXS and modelling’ <i>DYFP 15th International Conference on Deformation. Yield and Fracture on Polymer, Rolduc, Kerkrade, The Netherlands, 1-5 april, 2012</i>
18.	<u>XIONG B., LAME O., CHENAL J.M., ROCHAS C., SEGUELA R., VIGIER G.</u> ‘Small strain behavior of high density polyethylene at elevated temperature: In-situ SAXS measurements’ <i>Colloque DEPOS 24, Ecully, Septembre 2012</i>

