

- Marins, J.; Montagnon, T.; Ezzaier, H.; Hurel, Ch.; Sandre, O.; Baltrūnas, D.; Mažeika, K.; Petrov, A.; Kuzhir, P. "Colloidal Stability of Aqueous Suspensions of Polymer-Coated Iron Oxide Nanorods: Implications for Biomedical Applications" accepted in ASC Appl. Nanomater.

- Ezzaier, H., Marins, J., Claudet, C., Hemery, G., Sandre, O., & Kuzhir, P. (2018). Kinetics of Aggregation and Magnetic Separation of Multicore Iron Oxide Nanoparticles: Effect of the Grafted Layer Thickness. *Nanomaterials*, 8(8), 623

- Gila-Vilchez, C., Bonhome-Espinosa, A. B., Kuzhir, P., Zubarev, A., Duran, J. D., & Lopez-Lopez, M. T. (2018). Rheology of magnetic alginate hydrogels. *Journal of Rheology*, 62(5), 1083-1096.

- Ezzaier, H., Alves Marins, J., Razvin, I., Abbas, M., Ben Haj Amara, A., Zubarev, A., & Kuzhir, P. (2017). Two-stage kinetics of field-induced aggregation of medium-sized magnetic nanoparticles. *The Journal of Chemical Physics*, 146(11), 114902.

- Magnet, C., Lomenech, C., Hurel, C., Reilhac, P., Giulieri, F., Chaze, A. M., Persello J. & Kuzhir, P. (2017). Adsorption of nickel ions by oleate-modified magnetic iron oxide nanoparticles. *Environmental Science and Pollution Research*, 24(8), 7423-7435.

- Bossis, G., Boustingorry, P., Grasselli, Y., Meunier, A., Morini, R., Zubarev, A., & Volkova, O. (2017). Discontinuous shear thickening in the presence of polymers adsorbed on the surface of calcium carbonate particles. *Rheologica Acta*, 56(5), 415-430.

- Bossis G., Y Grasselli, A. Meunier, O Volkova, "Outstanding magnetorheological effect based on discontinuous shear thickening in the presence of a superplasticizer molecule", *Applied Physics Letters*, 2016, 109 (11), pp.111902-1 111902-4.

- Bounoua S., E. Lemaire, J Férec, G Ausias, P Kuzhir, (2016) "Shear-thinning in concentrated rigid fiber suspensions: Aggregation induced by adhesive interactions", *Journal of rheology*, 60, pp.1279 – 1300

- Kuzhir P., Magnet C., Ezzaier H., Zubarev A., Bossis G. (2016). « Magnetic filtration of phase separating ferrofluids: from basic concepts to microfluidic device ». *Journal of Magnetism and Magnetic Materials* in press

- Orlandi G., Kuzhir P., Izmaylov Y., Alves Marins J., Ezzaier H., Robert L., Dautre F., Noblin X., Lomenech C., Bossis G., Meunier A., Sandoz G., Zubarev A. (2016). « Microfluidic separation of magnetic nanoparticles on an ordered array of magnetized micro-pillars ». *Physical Review E* vol 93, pp. 062604

- Rodriguez-Arco L., Rodriguez I., Carriel V., Bonhome-Espinosa A., Campos F., Kuzhir P., Durán J. D., Lopez-Lopez M. (2016). « Biocompatible magnetic core-shell nanocomposites for engineered magnetic tissues ». *Nanoscale* 8, pp. 8138-8150

- Bosq N., Guigo N., Persello J., Sbirrazzuoli N. (2014). « Melt and glass crystallization of PDMS and PDMS silica nanocomposites ». *Physical Chemistry Chemical Physics* vol 16, pp. 7830-7840

- Kossi A., Persello J., Cabane B. (2014). « Acetylacetone stimulus effect on electrorheological properties of TiO₂ aggregated nanoparticles. ». *Journal of Materials Science* vol 49, n°2, pp. 811-818

- Alves Marins J., Giulieri F., Guentther Soares B., Bossis G. (2013). « Hybrid polyaniline-coated sepiolite nanofibers for electrorheological fluid applications ». *Synthetic Metals* vol 185, pp. 9-16