

Publications 2020 - 2023

Surface-Induced Quadrupolar Relaxation (SIQR): Probing Adsorption of Monovalent Ions (NH_4^+ , NO_3^- , Li^+ , Na^+ , Rb^+ , Cs^+ , Br^-) on Anatase Titanium Dioxide in Aqueous Media by NMR (**FI : 3.7**)

Z. Ruth Tan, **C. Pagnoux**, V. Sarou-Kanian M. Deschamps

J. Phys. Chem. C 2023, 127, 39, 19717–19727

Role of surfactants and polymers for clay minerals as stabilizer of Pickering emulsion

A. Aimable, G. Leconte, **C. Pagnoux**

Developments in Clay Science, vol.10, 2022, 277-314

Characterization of kaolinite aqueous suspensions by acoustophoresis: influence of crystallinity and of the ratio between basal and lateral surface of grains

R. Al-Tahan, R. Mayet, P. Duport, N. Tessier-Doyen, A. Aimable, G. Gasgnier, **C. Pagnoux**

Colloids and Surfaces A, 649, sept.2022, 129473

Freeze granulation and spray drying of mixed granules of Al_2O_3

M. Singlard, A. Paillassa, L. Ferres, **C. Pagnoux**, A. Aimable

Powder Technology, 395 January 2022, 280-289

Elaboration and mechanical properties of monolithic and multilayer mullite-alumina based composites devoted to ballistic applications

N. Tessier-Doyen, C. Aharonian, P.-M. Geffroy, **C. Pagnoux**

Ceramics International, Volume 47, Issue 3, 1 February 2021, Pages 3826-3832

Porous granules by freeze granulation of Pickering emulsions stabilized with halloysite particles

Ouadaker M., Jiang X., Bowen P., Bienia M., **Pagnoux C.**, Aimable A.

Colloids and Surfaces A: **2020**, 585, 124156

Dense and homogeneous MOX fuel pellets manufactured using the freeze granulation route

La Lumia F., Ramond L., **Pagnoux C.**, Coste P., Lebreton F., Sevilla J.-R., Bernard-Granger G.

Journal of the American Ceramic Society **2020**, 103, 5, 3020-3029

Surface modification of titania nanoparticles by catechol derivative molecules: Preparation of concentrated suspensions

F. Sallem, L. Villatte, P.M Geffroy, G. Goglio, **C. Pagnoux**

Colloids and surfaces A, 2020, 602, 125167