

Lista lucrărilor publicate:

[1] **Andrea Simion**, Tobias Schubeis, Tanguy Le Marchand, Mihai Vasilescu, Guido Pintacuda, Anne Lesage, and Claudiu Filip, Heteronuclear decoupling with Rotor-Synchronized Phase-Alternated Cycles, Journal of Chemical Physics, 2022. <https://doi.org/10.1063/5.0098135>

[2] Alexandru S. Farcasanu, Milica Todea, Marieta Muresan-Pop, Dina M. Petrisor, **Andrea Simion**, Adriana Vulpoi, and Simion Simon, Chemical synthesis and structural characterization of silica particles doped with paramagnetic Dy and Gd ions of Dy for enhanced MRI T1/T2 relaxivity, Journal of Molecular Structure, 2022.

[3] **Andrea Simion**, Mihai Vasilescu, Claudiu Filip, Milica Todea, Marieta Mureșan-Pop, Simion Simon, Structural characterization of interfaces in silica core – alumina shell by solid-state NMR spectroscopy, Journal of Solid State Nuclear Magnetic Resonance, 2022. <https://doi.org/10.1016/j.ssnmr.2022.101773>

[4] Marieta Muresan-Pop, Adriana Vulpoi, Viorica Simon, Milica Todea, Klara Magyari, Zsolt Pap, **Andrea Simion**, Claudiu Filip, Simion Simon, Co-crystals of Etravirine by Mechanochemical activation, Journal of Pharmaceutical Sciences, 2021. <https://doi.org/10.1016/J.XPHS.2021.09.023>

[5] **Andrea Simion**, Adrian Pîrnău, Flaviu R.V. Turcu, Adriana Vulpoi, Milica Todea, Monica Potara and Mihai Vasilescu, Stratified Diffusion of HOD-D2O inside COOH- and NH2- Functionalized Multi-Walled Carbon Nanotubes studied by NMR Spectroscopy, Journal of Molecular Structure, 2021. <https://doi.org/10.1016/j.molstruc.2021.131653>

[6] Milica Todea, Viorica Simon, Marieta Muresan-Pop, Adriana Vulpoi, Mihai M. Rusu, **Andrea Simion**, Mihai Vasilescu, Grigore Damian, Dina M. Petrisor, Simion Simon, Silica-based microspheres with aluminum-iron oxide shell for diagnosis and cancer treatment, Journal of Molecular Structure, 2021. <https://doi.org/10.1016/j.molstruc.2021.131149>