- Paul Rouster, Marko Pavlovic, Tianchi Cao, Bojana Katana, Istvan Szilagyi
 Stability of titania nanomaterials dispersed in aqueous solutions of ionic liquids of different alkyl chain lengths
 Journal of Physical Chemistry C 123, 12966 (2019)
- Szilárd Sáringer, Paul Rouster, Istvan Szilagyi
 Regulation of the Stability of Titania Nanosheet Dispersions with Oppositely and Like-Charged Polyelectrolytes
 Langmuir 35, 4986 (2019)
- 3. Marko Pavlovic, Bálint Náfrádi, Paul Rouster, Szabolcs Muráth, **Istvan Szilagyi** Highly stable enzyme-mimicking nanocomposite of antioxidant activity *Journal of Colloid and Interface Science* **543**, 174 (2019)
- 4. Zoltan Somosi, Marko Pavlovic, Istvan Palinko, **Istvan Szilagyi**Effect of polyelectrolyte mono- and bilayer formation on the colloidal stability of layered double hydroxide nanoparticles *Nanomaterials* **8**, 986 (2018)
- 5. Paul Rouster, Marko Pavlovic, Szilárd Sáringer, **Istvan Szilagyi** Functionalized titania nanosheet dispersions of peroxidase activity *Journal of Physical Chemistry C* **122**, 11455 (2018)
- 6. Marko Pavlovic, Paul Rouster, Zoltán Somosi, **Istvan Szilagyi**Horseradish peroxidase-nanoclay hybrid particles of high functional and colloidal stability *Journal of Colloid and Interface Science* **524**, 121 (2018)
- 7. Paul Rouster, Marko Pavlovic, **Istvan Szilagyi** Immobilization of Superoxide Dismutase on polyelectrolyte functionalized titania nanosheets *ChemBioChem* **19**, 404 (2018)
- 8. Paul Rouster, Marko Pavlovic, Endre Horváth, László Forró, Sandwip K. Dey, **Istvan Szilagyi** Influence of protamine functionalization on the colloidal stability of 1D and 2D titanium oxide nanostructures *Langmuir* **33**, 9750 (2017)
- 9. Marko Pavlovic, Paul Rouster, **Istvan Szilagyi**Synthesis and formulation of functional bionanomaterials with superoxide dismutase activity *Nanoscale* **9**, 369 (2017)
- Paul Rouster, Marko Pavlovic, Istvan Szilagyi
 Destabilization of titania nanosheet suspensions by inorganic salts: Hofmeister series and Schulze-Hardy rule Journal of Physical Chemistry B 121, 6749 (2017)
- Marko Pavlovic, Paul Rouster, Elodie Bourgeat-Lami, Vanessa Prevot, Istvan Szilagyi
 Design of latex-layered double hydroxide composites by tuning the aggregation in suspensions
 Soft Matter 13, 842 (2017)
- Marko Pavlovic, Paul Rouster, Tamas Oncsik, Istvan Szilagyi
 Tuning colloidal stability of layered double hydroxides: from monovalent ions to polyelectrolytes ChemPlusChem 82, 121 (2017)
- 13. Paul Rouster, Marko Pavlovic, **Istvan Szilagyi** Improving the stability of titania nanosheets by functionalization with polyelectrolytes *RSC Advances* **6**, 97322 (2016).
- Marko Pavlovic, Robin Huber, Monika Adok-Sipiczki, Corinne Nardin, Istvan Szilagyi lon specific effects on the stability of layered double hydroxide colloids Soft Matter 12, 424 (2016)
- Marko Pavlovic, Li Li, Francois Dits, Zi Gu, Monika Adok-Sipiczki, Istvan Szilagyi
 Aggregation of layered double hydroxide nanoparticles in the presence of heparin: towards highly stable delivery systems RSC Advances 6, 16159 (2016)