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The frontiers in modeling colloidal nanoparticles: challenges and opportunities

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Modelling surfactant coated nanoparticles constitutes a great challenge as the properties of these materials in the nanoscale completely differ from the bulk counterparts. In this lecture I will provide some of the hints that make possible the investigation of properties like shape control and catalytic activity.[1-3]

References

- [1] Almora-Barrios et al. NanoLett.2014, 14, 871
- [2] Vile et al. Chem. Eur. J. 2014, 20, 5926
- [3] Barmparis et al. Belstein J. of Nanotec. 2015, 6, 631

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