

474a Nanoseparations – State of the Art and Future Needs

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This paper will give an industrial overview in separation processes of nanoparticles. The importance of particle-particle interactions in nano-scale processes as well as the separation mechanisms for nanoparticles will be discussed. Typical separation approaches and apparatuses will be presented for solid/gas and solid/liquid separations. It will be discussed why nano/micro fibers have superb properties for filtration. In addition, the future industrial needs in this area will be described.