

Dynamic light scattering techniques for the dielectric characterization of particles.

Simeonova, M., Lippert, S., Gimsa, J., 2001. In S. Grimnes, O. G. Martinsen, H. Bruvoll (Eds.): Proceedings of the XI international conference on electrical bio-impedance. 161–164, University Oslo, Oslo. ISBN 82-91853-05-3. XI international conference on electrical bio-impedance, 17.-21. June. Oslo, Norway.

Abstract: *Single particle dielectric spectroscopy by AC-electrokinetics, like dielectrophoresis (DP) and electrorotation (ER), has many advantages over the impedance methods. The common way to detect AC-electrokinetic effects is the microscopic observation. Recently, appropriate light scattering techniques were developed. To take advantage of the strict interrelation of DP and ER, two different methods, phase analysis light scattering (PALS) and dynamic light scattering were adapted for detecting DP and ER, respectively.*

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