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Title:	Generalized Lorentz-Mie theory of optical Kerr effect in femtosecond laser trapping of dielectric nanoparticles
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Abstract:	We provide a theoretical formulation of Kerr effect in optical trapping of dielectric nanoparticles under femtosecond pulsed excitation using generalized Lorentz-Mie theory. We compare the results with that obtained by using dipole approximation.
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