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Light scattering of a Bessel beam by a nucleated biological cell: an eccentric sphere model

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Highlights:

- Analytical solution for the scattering of a Bessel beam by an eccentric stratified sphere is presented.
- Beam shape coefficients for an arbitrarily incident Bessel beam is analyzed.
- Light scattering properties of a nucleated cell illuminated by a Bessel beam are analyzed.

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