Angle-, Polarization-, and Wavelength-Resolved Light Scattering of Single Mie Resonators Using Fourier-Plane Spectroscopy

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Supporting Information

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S1. Multipole decomposition of the scattering spectrum of a silicon nanosphere

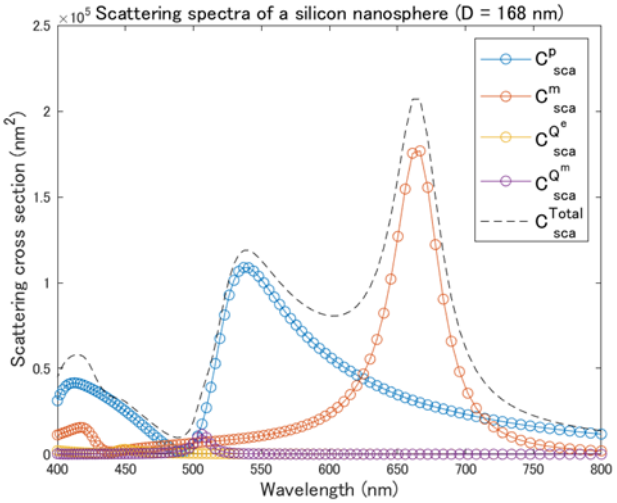

Figure S1. Scattering cross section of a silicon nanosphere 168 nm in diameter (dashed curve) and the multipole contributions (solid curves), *i.e.*, electric dipole (***p***, light blue), magnetic dipole (***m***, orange) dipoles, electric quadrupole (Q^{e}, yellow), and magnetic quadrupole (Q^{m}, purple). The multipole expansion was carried out using an open-source program MENP[1] based on an exact expression.[2]

References

[1] T. Hinamoto, M. Fujii, (Preprint) arXiv: 2011.03661, v1, submitted: Nov **2020**.

[2] R. Alaee, C. Rockstuhl, I. Fernandez-Corbaton, *Opt. Commun.* **2018**, *407*, 17.