



Visualization 1. Schematics of the optimized coupled nanoresonator system types: (a1, b1, c1, d1) spherical and (a2, b2, c2, d2) ellipsoidal nanoresonators seeded with: (a1, a2, b1, b2) 4 and (c1, c2, d1, d2) 6 dipoles, having of (a1, a2, c1, c2) bare and (b1, b2, d1, d2) coated type, respectively. The color of frames refers to the color code of the data tables embedded into Visualizations 2-6.