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Supplementary Information

Smart microcapsules for direction-specific burst release of hydrophobic drugs

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Supplementary Figures

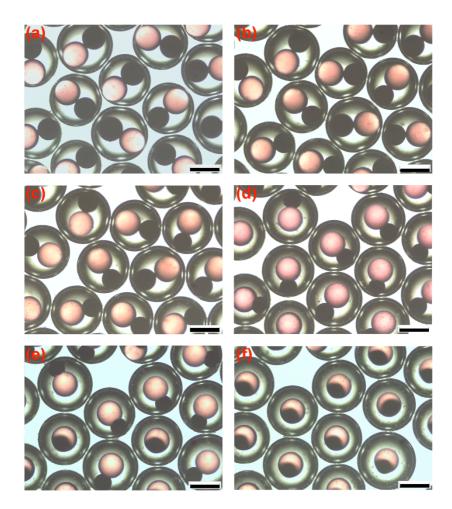


Fig. S1 Optical micrographs of the (O1+O2)/W/O quadruple-component double emulsions at 11.23 min (a), 13.7 min (b), 15.57 min (c), 21.75 min (d), 25.57 min (e), and 33.58 min (f) after formation. Scale bars are 200 μ m.

Supplementary Movies

Movie S1. Magnetic-guided movement of the magnetic PNIPAM core-shell microcapsules.

Movie S2. Thermal-triggered release of hydrophobic drugs from magnetic PNIPAM core-shell microcapsules by increasing temperature from 20 °C to 60 °C.

Movie S3. Direction-specific burst release of hydrophobic drugs from magnetic PNIPAM core-shell microcapsules.