

Focused and Controllable Optical Delivery in Complex Media Using Wavefront Shaping

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Abstract: Achieving noninvasive focused or controllable optical delivery at depths in tissue is challenging due to strong scattering of light. Recent studies on wavefront engineering have opened up new opportunities for this long sought goal.

OCIS codes: (030.6140) Speckle; (070.5040) Phase conjugation; (290.4210) Multiple scattering; (110.5125) Photoacoustics; (110.7348) Wavefront encoding; (170.7050) Turbid media; (110.0113) Imaging through turbid media; (190.5330) Photorefractive optics