

Abstract Submitted
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Thermally Active Colloids JACK COHEN, RAMIN GOLESTANIAN,
University of Oxford, Theoretical Physics — We present a model of thermally active
colloids that can propel and act as heat sources through absorption of light. We
study the resulting dynamics of a system of many of these interacting colloids. The
interplay between light absorption, long range fields and diffusion leads to novel
collective dynamics.

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