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Title:	Hot microswimmers
Authors:	Chakraborty, D. (/jspui/browse?type=author&value=Chakraborty%2C+D.)
Keywords:	Hot microswimmers Self-propelled Self-thermophoretic Motion
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Abstract:	Hot microswimmers are self-propelled Brownian particles that exploit local heating for their directed self-thermophoretic motion. We provide a pedagogical overview of the key physical mechanisms underlying this promising new technology. It covers the hydrodynamics of swimming, thermophoresis and -osmosis, hot Brownian motion, force-free steering, and dedicated experimental and simulation tools to analyze hot Brownian swimmers.
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