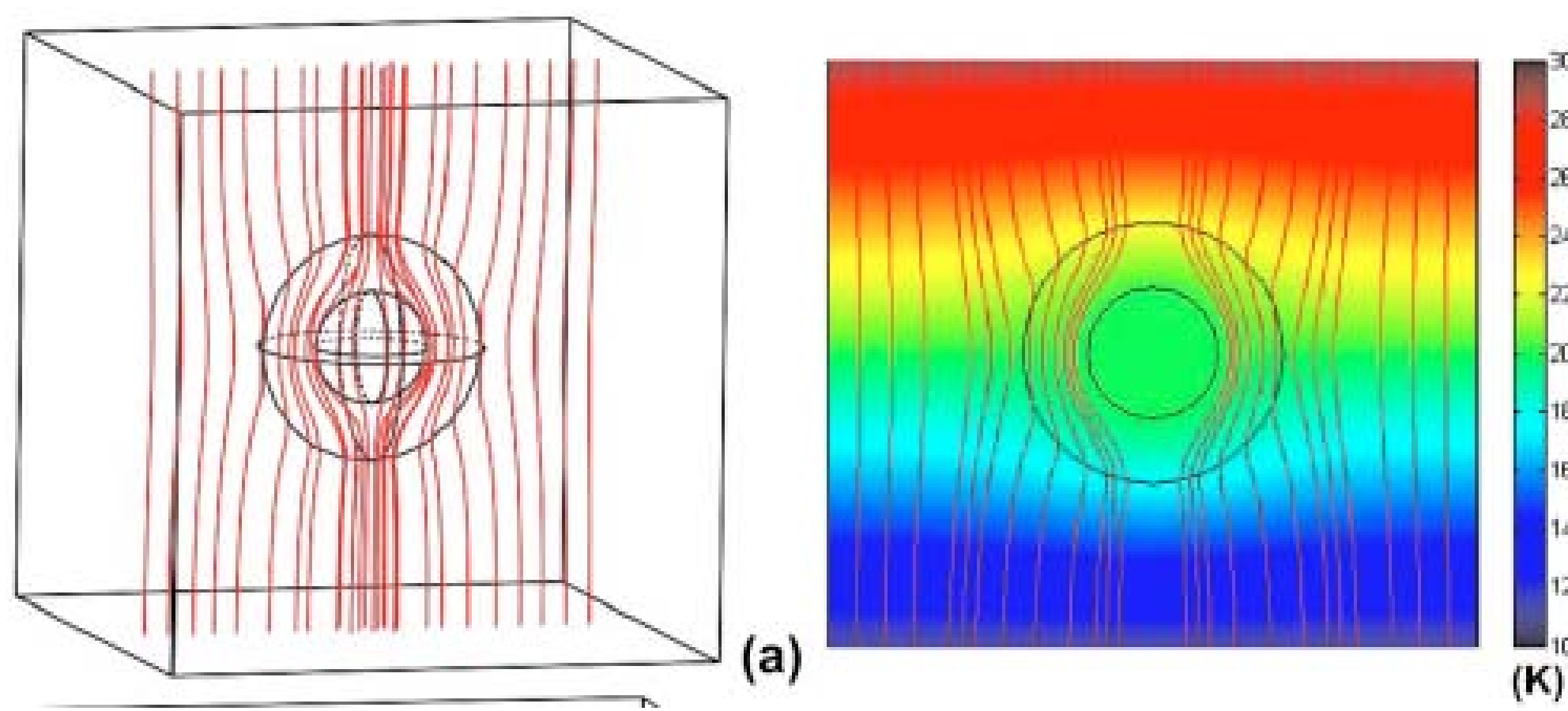


# Development of Thermal Cloak

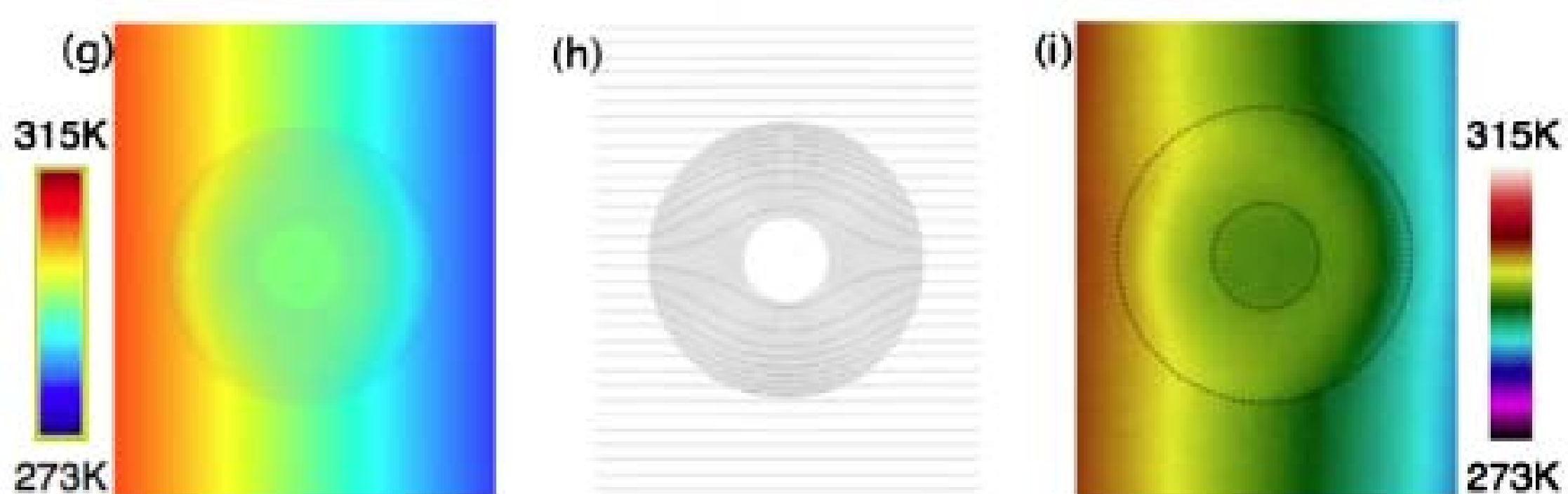
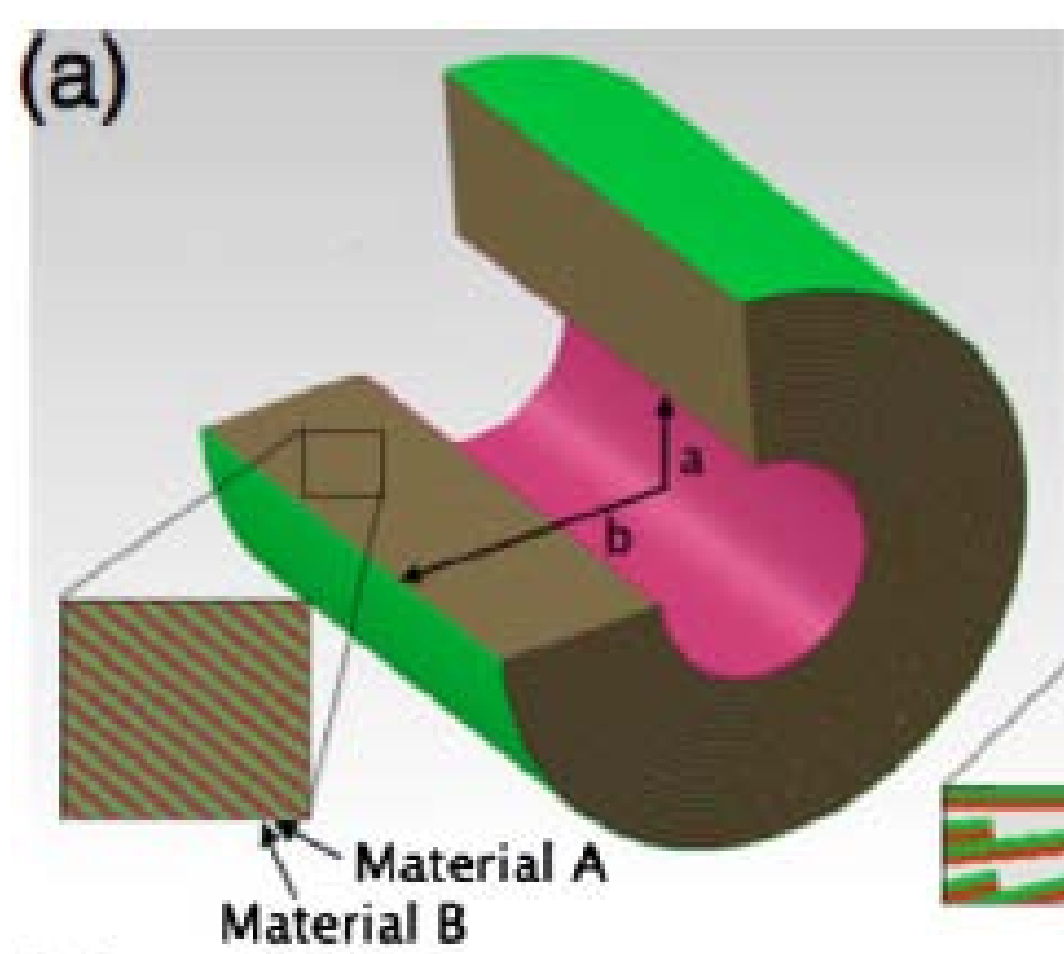
Junying Huang; Department of Physics, Fudan University, Shanghai 200433, China

## 1. Origin (2008)



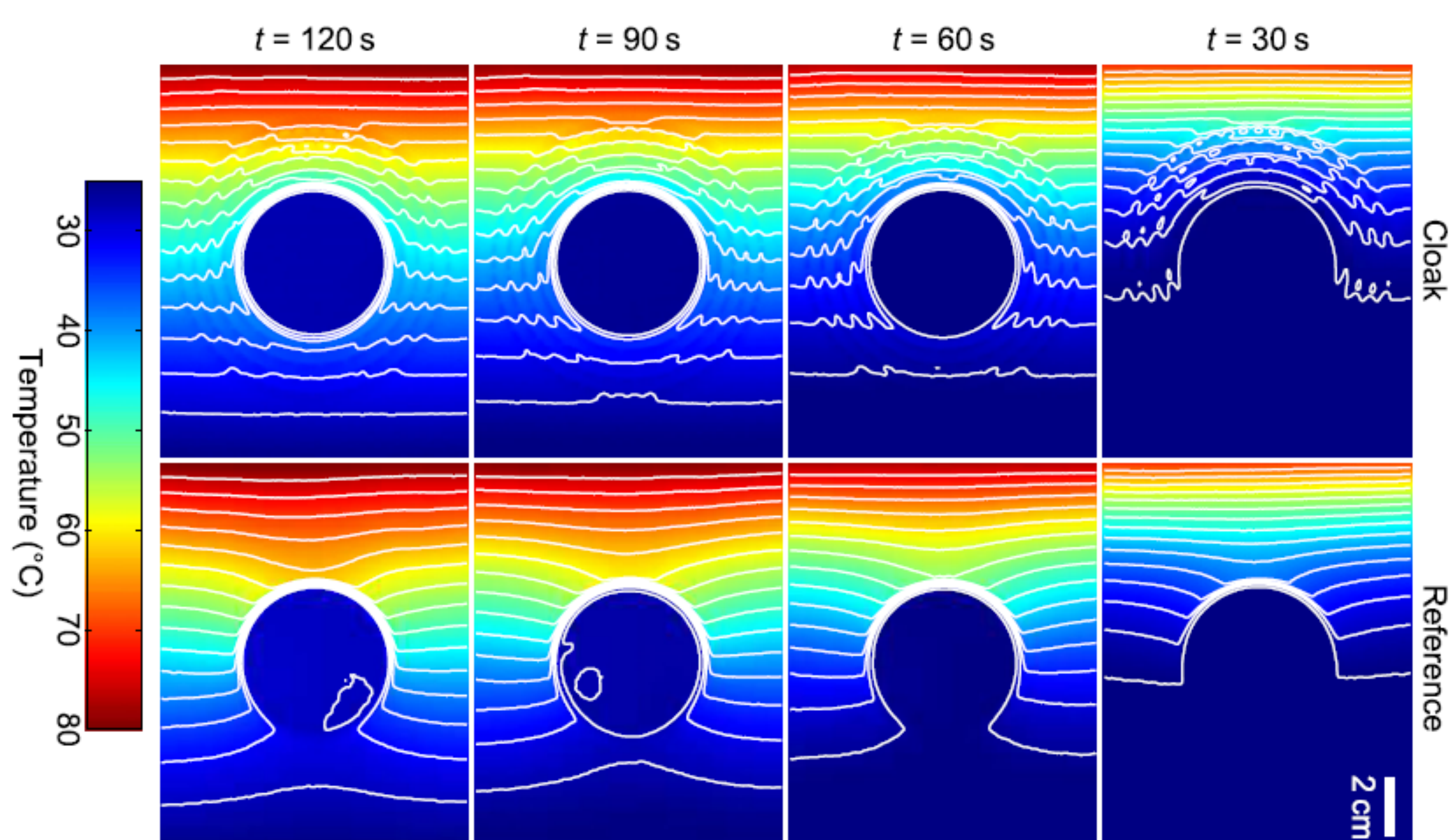
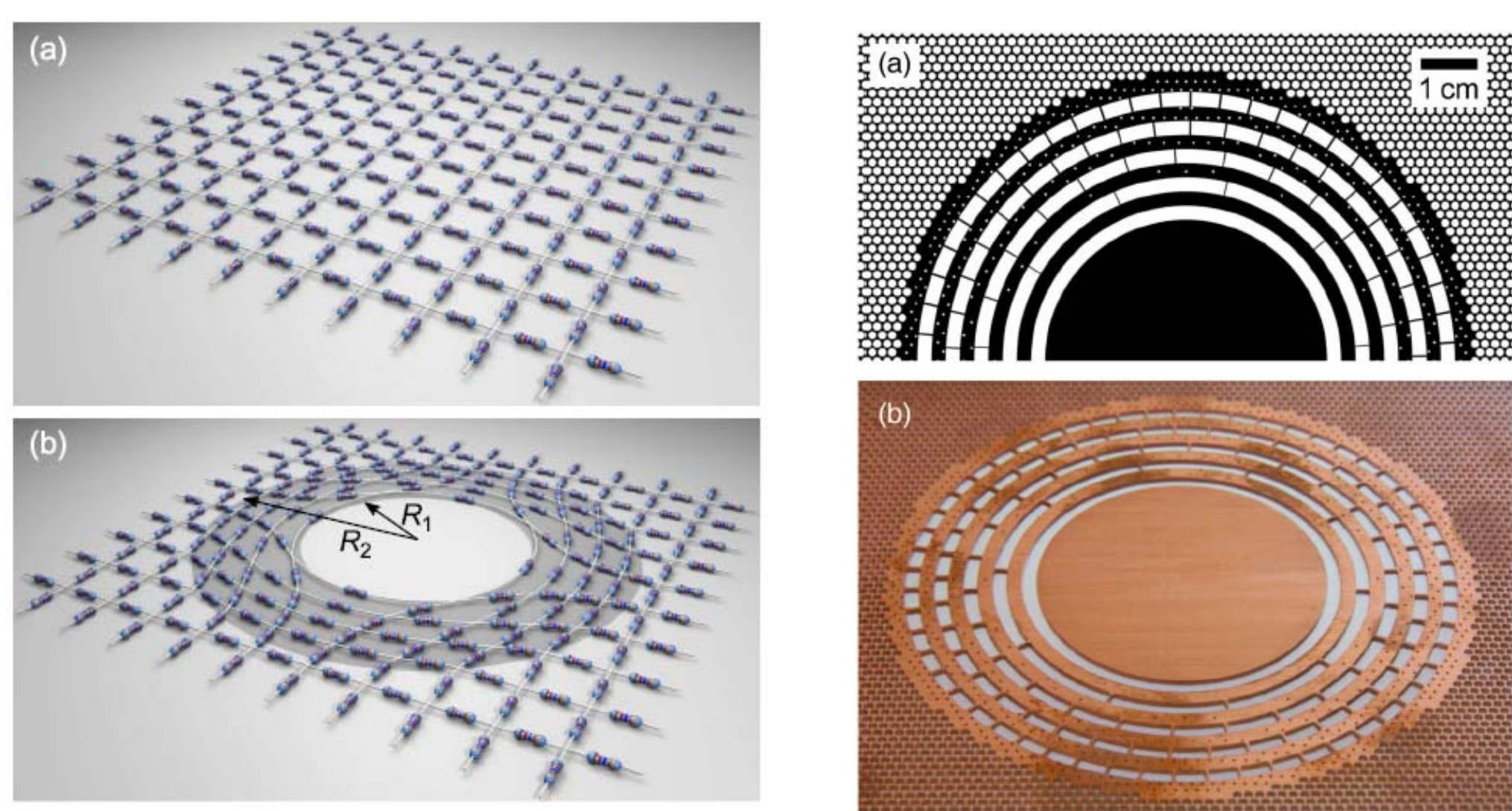
C. Z. Fan, Y. Gao, and J. P. Huang, Appl.Phys.Lett. 92, 251907 (2008)

## 2. Engineered Thermal Cloak (2012)



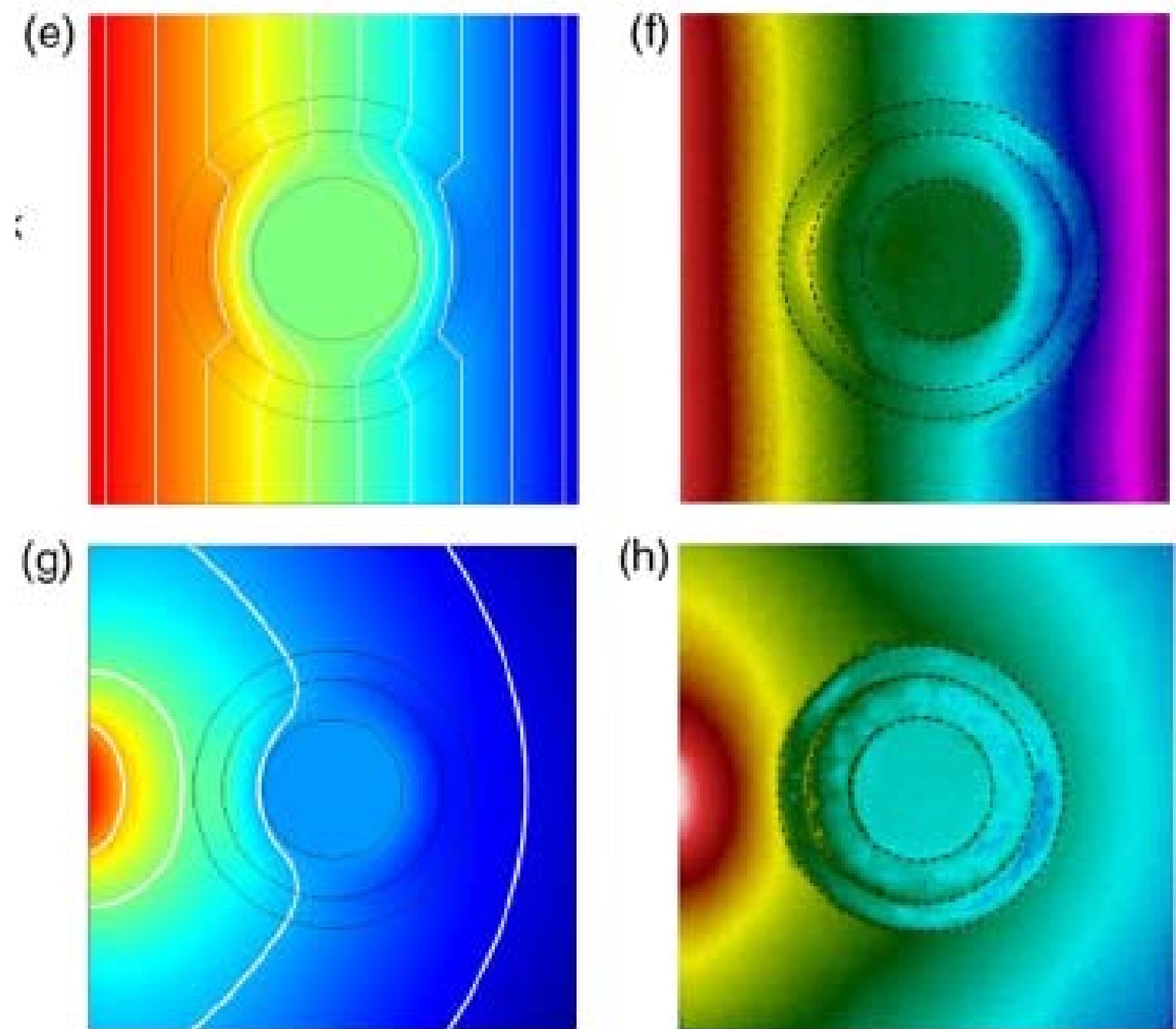
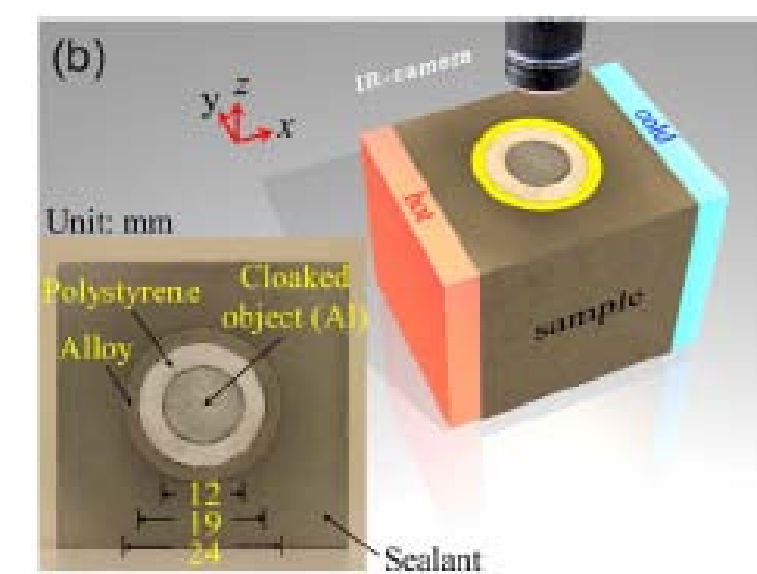
S. Narayana and Y. Sato, Phys. Rev. Lett. 108, 214303(2012)

## 3. Transformation Thermal Cloak (2013)



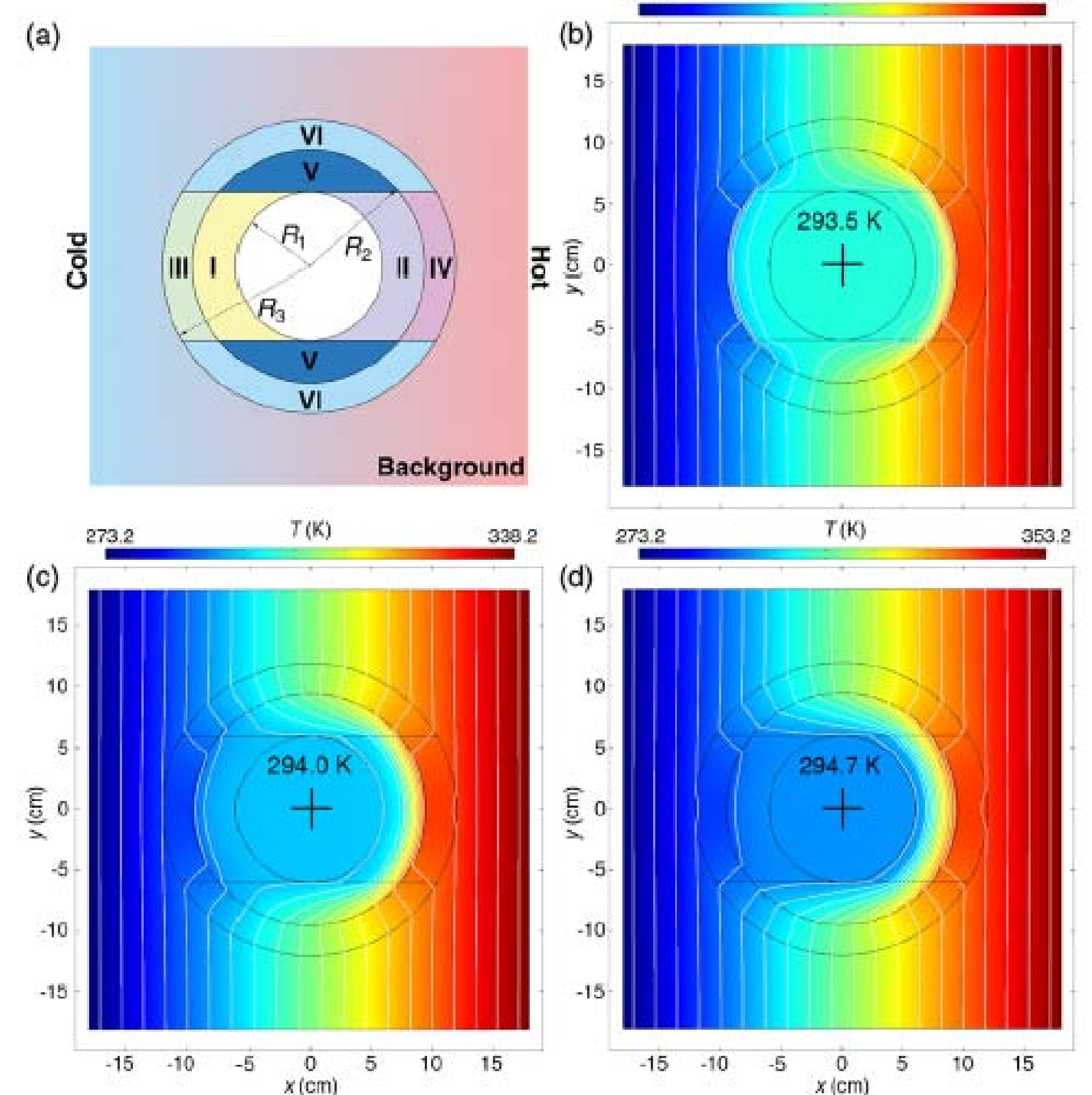
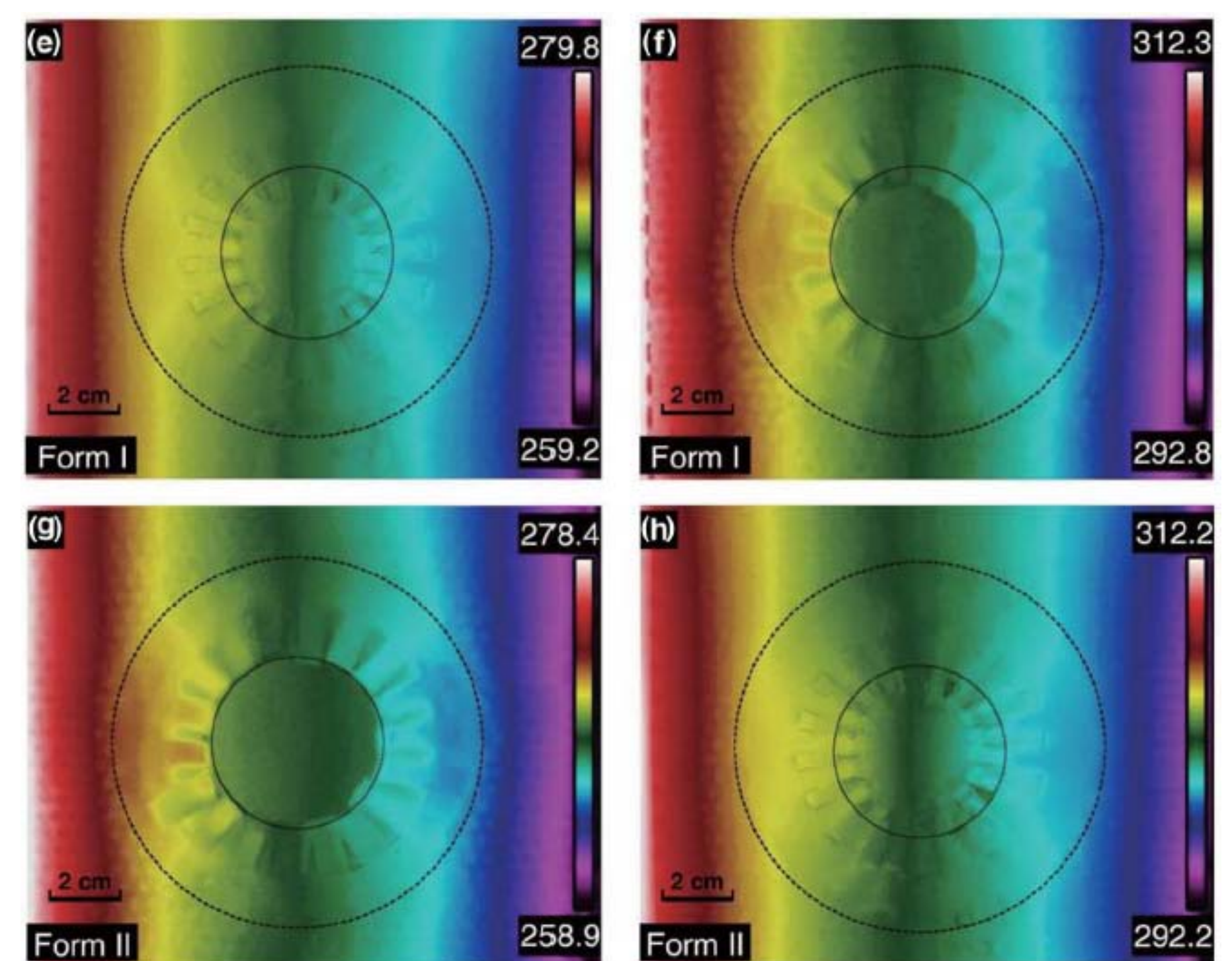
R. Schittny *et al.*, Phys. Rev. Lett. 110, 195901(2013)

## 4. Bilayer Thermal Cloak (2014)



T. Han *et al.*, Phys. Rev. Lett. 112, 054302 (2013)

## 5. Smart Thermal Cloak (2015)



X. Y. Shen, Y. Li, J. P. Huang and so on,  
Phys. Rev. Lett. 115, 195503 (2015); Phys. Rev. Lett. 117, 055501 (2016)  
Appl. Rev. Lett. 109, 031907 (2016)