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## **AI-Developed Cooling Paint**

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With urban heat islands intensifying due to climate change and rising energy demands for cooling, researchers used AI to engineer a white paint that reflects up to 99% of sunlight and efficiently emits infrared heat, which can thus passively cool buildings and surfaces. Improving on previous ultra white paints without AI engineering, this AI-designed coating provides an alternative for reducing air conditioning reliance and urban temperatures.

Discussed in a [Guardian article](#) and a [TechXplore posting](#), the breakthrough comes from an international team led by Yuebing Zheng at the [University of Texas at Austin's Cockrell School of Engineering](#). The use of AI to design special materials with niche properties holds much promise, but this result has broad practical applications if it can be scaled for mass production.

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