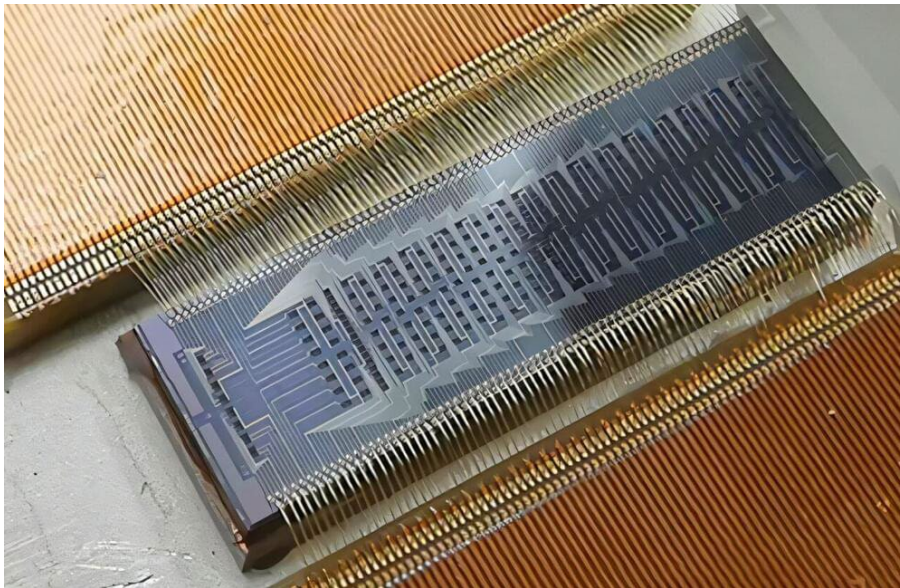




18 December 2024

## Researchers achieve near-unity quantum efficiency in 2D photon emitters



Leveraging the principles of quantum mechanics, quantum computers can perform calculations at lightning-fast speeds, enabling them to solve complex problems faster than conventional computers. In quantum technology applications such as quantum computing, light plays a central role in encoding and transmitting information.

NTU researchers have recently made breakthroughs in manipulating light that could potentially usher in the era of quantum computing. Details of this research have been published in *Nature Photonics*, *Physical Review Letters*, and *Nature Communications*.

Read [more](#).

[https://lifeboat.com/blog/2024/12/researchers-achieve-near-unity-quantum-efficiency-in-2d-photon-emitters?fbclid=IwY2xjawJAiWJleHRuA2FlbQlxMQABHXDP RaZFtBbng9i7p3uisvldMQvr e8Clr9-RJZAVkZ-w3kpvDz\\_TaB\\_F8g\\_aem\\_JtOlrkr gzMqATqaxOAunOw](https://lifeboat.com/blog/2024/12/researchers-achieve-near-unity-quantum-efficiency-in-2d-photon-emitters?fbclid=IwY2xjawJAiWJleHRuA2FlbQlxMQABHXDP RaZFtBbng9i7p3uisvldMQvr e8Clr9-RJZAVkZ-w3kpvDz_TaB_F8g_aem_JtOlrkr gzMqATqaxOAunOw)