

Quantum enabling technology

[All quantum or non-quantum technologies and supply chain issues to realize quantum information technology]

Jindong Song

Korea Inst. of Sci. & Tech, Seoul 02792, Korea

Quantum enabling technology refers to the direct [with "quantum-"prefix] materials and components that make up quantum communication, quantum computing, and quantum sensors, as well as the devices that process them. However, materials and components that directly implement quantum technology using non-quantum technologies that support the realization of complete quantum technology is also included in it such as cryogenic cooler etc. Understanding QET will help analyzing the domestic and international supply chain of quantum materials/components for quantum technology and the gap in technology that will be a challenge [= bottlenecks] in realizing/maintaining domestic quantum technology.

