**1. Quantum SI keywords**  
  
- quantum computing  
- quantum machine learning  
- quantum cryptography QKD  
- quantum entanglement  
- quantum communications  
- quantum error correction  
- quantum noise mitigation  
  
**2. LLM SI keywords**- LLM, large language model  
- LLM embodied  
- LLM, IoT   
- LLM wireless communications  
- embodied AI, IoT  
- embodied AI internet of things  
- LLM spectrum management   
- embodied AI wireless communication