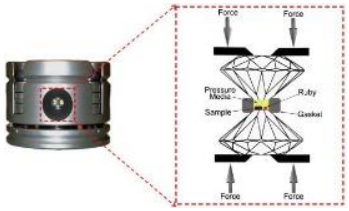
B o • g y è ç

研究领域和兴趣：

- ✓ 高压下多功能材料的合成和表征
- ✓ 先进光电材料的设计和压力调控
- ✓ 储能材料的设计制备和性能优化
- ✓ 多功能薄膜的设计生长及其应用

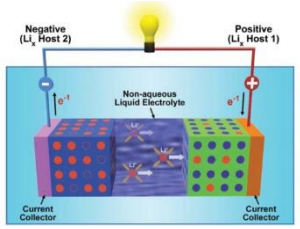


潜在应用

太阳能电池

LED

锂离子电池



激光器

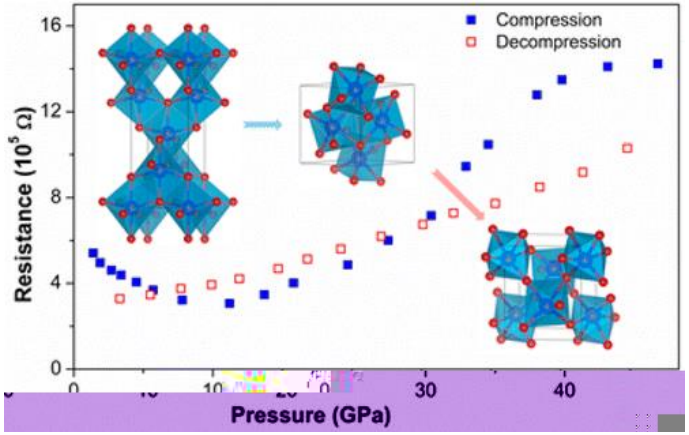
研究成果：

Adv. Mater.
J. Am. Chem. Soc.
Angew. Chem. Int. Ed.
Adv. Mater.
Nano Lett.

Nano Lett.
PNAS
J. Am. Chem. Soc.
J. Am. Chem. Soc.
J. Am. Chem. Soc.

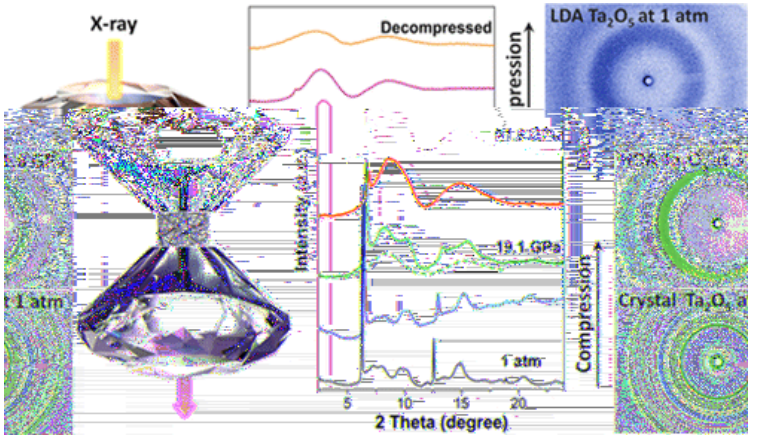
W n Å W • • P

高压处理增强　　电子传输能力



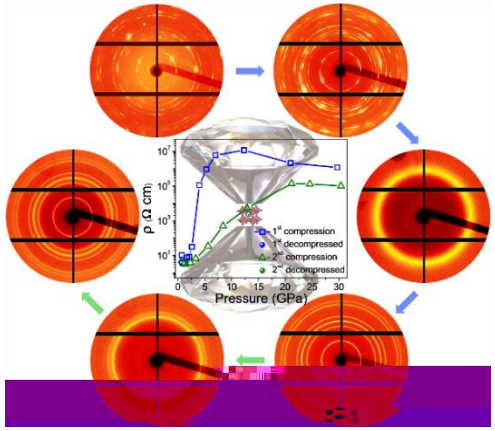
J. Am. Chem. Soc.

压力诱导合成非晶氧化物纳米线



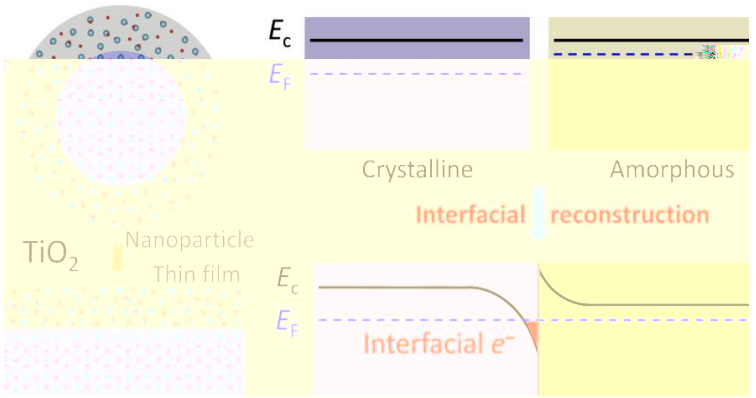
J. Am. Chem. Soc.

压力调控并优化钙钛矿材料性能



Adv. Mater.

界面的电子重构实现高电导



Nano Lett.

½4è * À Ä Ò ò o• o• Õ ‰ˆ ° c µ é [• „ `

û © • ” y