

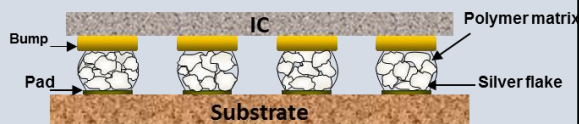


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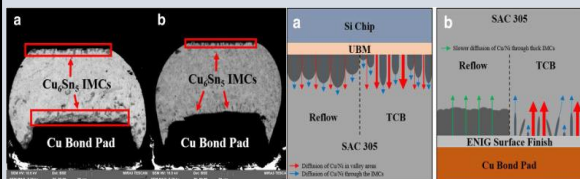
Research areas: Functional Materials for Microelectronics and Photonics Packaging, Energy Harvesting and Storage

Polymer Electrical Interconnects



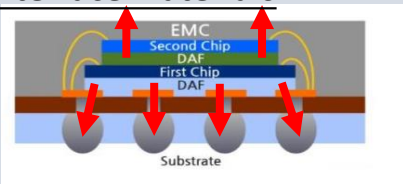
Science Vol. 308, Issue 5727, 2005, 1419-1420
Composites Science and Technology, 200, 2020, 108430

Solder interconnect



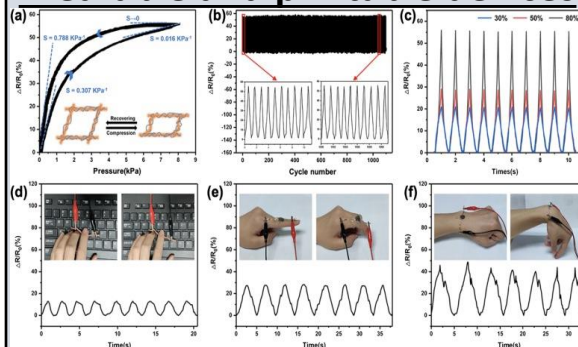
Solder joints of reflow and thermo-compression bonding (TCB) processes
Materialia, 2019, 6, 100327

Die attach film and thermal interface materials



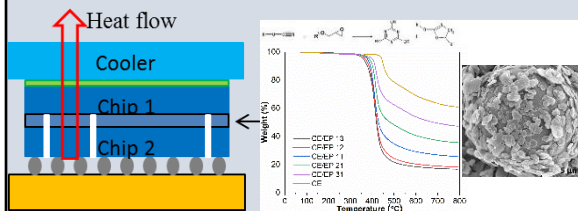
ACS Appl. Mater. Interfaces 2020, 12, 21, 24298

Wearable and printable devices



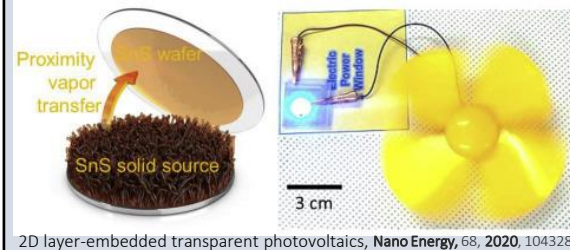
Strain sensor of 3D graphene and Polyimide, *Composites Part A: Applied Science and Manufacturing*, 137, October 2020, 105995

High Temp. Thermally conductive IC Encapsulant Underfill



J. Mater. Chem. C, 2020, 8, 4801-4809
Polymer, 2020, 195, 122454

Energy harvesting

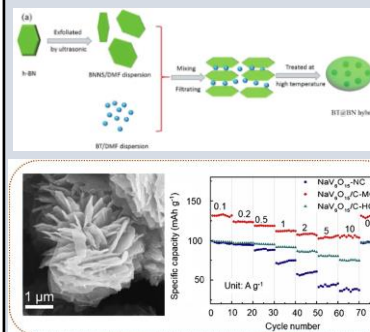


2D layer-embedded transparent photovoltaics, *Nano Energy*, 68, 2020, 104328



Enhanced power conversion efficiency of hole-transport-layer-free perovskite solar cell, *Nano Energy*, 2020, 105110

Energy Storage



Enhanced Electrostatic Energy Storage Performance of Flexible Polymer Composites, *Adv. Energy Mater.* 2019, 9, 1803204

NaV₆O₁₅ for sodium-ion battery cathode, *Nano Energy*, 68, February 2020, 104357