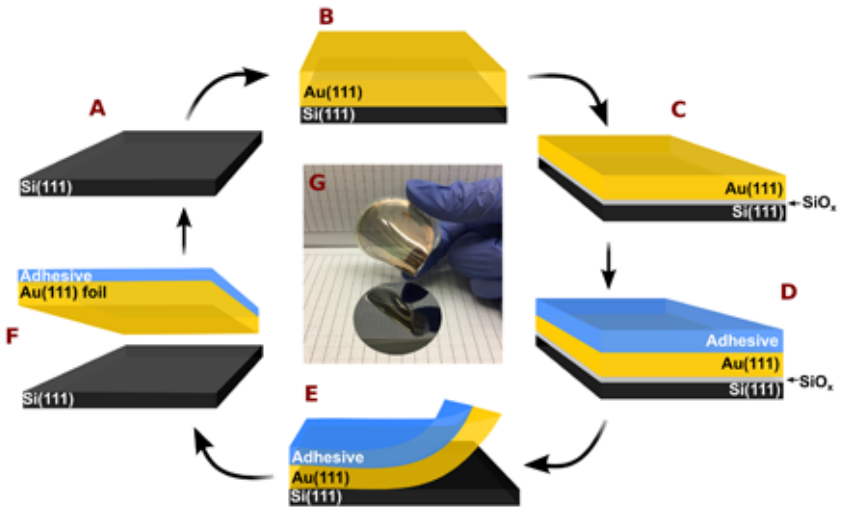
DEPARTMENT OF CHEMISTRY, MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY

Inorganic Materials Chemistry, Electrochemistry

Research Topics

- Electrodeposition of ceramics and semiconductors
- Epitaxial growth
- Nanoscale materials
- Materials for energy conversion and storage
- Chiral surfaces
- Flexible electronics



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Funding:

Funding from DOE, BES from 2008 to Present
DE-FG02-08ER46518, $2,370,000 total

Keywords

- Electrodeposition; epitaxial growth; single crystals; surface chemistry; superlattices; photoelectrochemistry.

Significant Achievements

- Fellow of American Association for the Advancement of Science (AAAS), Materials Research Society(MRS), Japan Society for the Advancement of Science (JSPS), and Electrochemical Society (ECS).
- President's Award for Research and Creativity, 2007.
- Electrodeposition Research Award of ECS, 2003.
- Published 6 papers in *Science*, 1 paper in *Nature*, and 1 paper in *Nature Materials*. Funded by DOE and NSF.

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