Bio

STANFORD ADVISORS

• Thomas Jaramillo, Postdoctoral Faculty Sponsor
• Thomas Jaramillo, Postdoctoral Research Mentor

Publications

PUBLICATIONS

• Design Principles for Multinary Metal Chalcogenides: Toward Programmable Reactivity in Energy Conversion CHEMISTRY OF MATERIALS
  Perryman, J. T., Velazquez, J. M.
  2021; 33 (18): 7133-7147

• Direct solid-state nucleation and charge-transport dynamics of alkali metal-intercalated M2Mo6S6 (M = K, Rb, Cs) nanorods JOURNAL OF MATERIALS CHEMISTRY C
  Perryman, J. T., Kulkarni, A. R., Velazquez, J. M.
  2020; 8 (31): 10742-10748

• Metal-promoted Mo6S8 clusters: a platform for probing ensemble effects on the electrochemical conversion of CO2 and CO to methanol MATERIALS HORIZONS

• X-ray absorption spectroscopy study of the electronic structure and local coordination of 1st row transition metal-promoted Chevrel-phase sulfides JOURNAL OF COORDINATION CHEMISTRY
  2019; 72 (8): 1322–35