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Publications

PUBLICATIONS

• Anisotropic dynamics of resonant scattering between a pair of cold aligned diatoms. *Nature chemistry*
  Zhou, H., Perreault, W. E., Mukherjee, N., Zare, R. N.
  2022

• A Bi-Axial Quantum State That Controls Molecular Collisions Like a Double-Slit Interferometer *FRONTIERS IN PHYSICS*
  Perreault, W. E., Zhou, H., Mukherjee, N., Zare, R. N.
  2021; 9

• Shape resonance determined from angular distribution in D2 (v = 2, j = 2) + He # D2 (v = 2, j = 0) + He cold scattering. *The Journal of chemical physics*
  Zhou, H. n., Perreault, W. E., Mukherjee, N. n., Zare, R. N.
  2021; 154 (10): 104309

• Quantum mechanical double slit for molecular scattering. *Science (New York, N.Y.)*
  Zhou, H., Perreault, W. E., Mukherjee, N., Zare, R. N.
  2021; 374 (6570): 960-964

• Harnessing the Power of Adiabatic Curve Crossing to Populate the Highly Vibrationally Excited H₂ (v=7, j=0) Level. *Physical review letters*
  Perreault, W. E., Zhou, H. n., Mukherjee, N. n., Zare, R. N.
  2020; 124 (16): 163202