

Stanford

Jaehee Kim

Postdoctoral Research Fellow, Biology

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Stanford University , Physics (2015)
- Bachelor of Arts, Columbia University , Physics and Mathematics

STANFORD ADVISORS

- Noah Rosenberg, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Statistical Detection of Relatives Typed with Disjoint Forensic and Biomedical Loci.** *Cell*
Kim, J., Edge, M. D., Algee-Hewitt, B. F., Li, J. Z., Rosenberg, N. A.
2018
- **Mathematical and Simulation-Based Analysis of the Behavior of Admixed Taxa in the Neighbor-Joining Algorithm.** *Bulletin of mathematical biology*
Kim, J., Disanto, F., Kopelman, N. M., Rosenberg, N. A.
2018
- **Matching CODIS genotypes to SNP genotypes using linkage disequilibrium**
Edge, M. D., Algee-Hewitt, B. B., Kim, J., Pemberton, T., Li, J. Z., Rosenberg, N. A.
WILEY.2018: 75–76
- **Individual Identifiability Predicts Population Identifiability in Forensic Microsatellite Markers.** *Current biology*
Algee-Hewitt, B. F., Edge, M. D., Kim, J., Li, J. Z., Rosenberg, N. A.
2016; 26 (7): 935-942
- **Ab initio multiple spawning on laser-dressed states: a study of 1,3-cyclohexadiene photoisomerization via light-induced conical intersections** *JOURNAL OF PHYSICS B-ATOMIC MOLECULAR AND OPTICAL PHYSICS*
Kim, J., Tao, H., Martinez, T. J., Bucksbaum, P.
2015; 48 (16)
- **Enhancement of strong-field multiple ionization in the vicinity of the conical intersection in 1,3-cyclohexadiene ring opening** *JOURNAL OF CHEMICAL PHYSICS*
Petrovic, V. S., Schorb, S., Kim, J., White, J., Cryan, J. P., Glowonia, J. M., Zipp, L., Broege, D., Miyabe, S., Tao, H., Martinez, T., Bucksbaum, P. H.
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- **Transient X-Ray Fragmentation: Probing a Prototypical Photoinduced Ring Opening** *PHYSICAL REVIEW LETTERS*
Petrovic, V. S., Siano, M., White, J. L., Berrah, N., Bostedt, C., Bozek, J. D., Broege, D., Chalfin, M., Coffee, R. N., Cryan, J., Fang, L., Farrell, J. P., Frasinski, et al
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- **Control of 1,3-Cyclohexadiene Photoisomerization Using Light-Induced Conical Intersections** *JOURNAL OF PHYSICAL CHEMISTRY A*
Kim, J., Tao, H., White, J. L., Petrovic, V. S., Martinez, T. J., Bucksbaum, P. H.
2012; 116 (11): 2758-2763

- **Ultrafast ring opening in 1,3-cyclohexadiene investigated by simplex-based spectral unmixing** *JOURNAL OF CHEMICAL PHYSICS*
White, J. L., Kim, J., Petrovic, V. S., Bucksbaum, P. H.
2012; 136 (5)
- **Shining new light on 1,3-cyclohexadiene isomerization**
Petrovic, V. S., White, J. L., Kim, J., Bucksbaum, P. H.
AMER CHEMICAL SOC.2010
- **Interactions between individual carbon nanotubes studied by Rayleigh scattering spectroscopy** *PHYSICAL REVIEW LETTERS*
Wang, F., Sfeir, M. Y., Huang, L. M., Huang, X. M., Wu, Y., Kim, J. H., Hone, J., O'Brien, S., Brus, L. E., Heinz, T. F.
2006; 96 (16)