

Publications

- [1] "Single-Crystalline Hollow Face-Centered-Cubic Cobalt Nanoparticles from Solid Face-Centered-Cubic Cobalt Oxide Nanoparticles", K. M. Nam, J. H. Shim, H. Ki, S.-I. Choi, G. Lee, J. K. Jang, Y. Jo, M.-H. Jung, H. Song, and J. T. Park, **Angew. Chem. Int. Ed.**, 47, 9504-9508 (2008).
- [2] "Direct Observation of Cooperative Protein Structural Dynamics of Homodimeric Hemoglobin from 100 ps to 10 ms with Pump-Probe X-ray Solution Scattering", K. H. Kim, S. Muniyappan, K. Y. Oang, J. G. Kim, S. Nozawa, Y. Sato, S. Koshiara, R. Henning, I. Kosheleva, H. Ki, Y. Kim, T. W. Kim, J. Kim, S. Adachi, and H. Ihee, **J. Am. Chem. Soc.**, 134, 7001-7008 (2012).
- [3] "Solvent-Dependent Molecular Structure of Ionic Species Directly Measured by Ultrafast X-Ray Solution Scattering", K. H. Kim, J. H. Lee, J. Kim, S. Nozawa, T. Sato, A. Tomita, K. Ichiyonagi, H. Ki, J. Kim, S. Adachi, H. Ihee, **Phys. Rev. Lett.**, 110, 165505 (2013).
- [4] "Global reaction pathways in the photodissociation of I_3^- ion in solution at 267 nm and 400 nm studied by picosecond X-ray liquidography", K. H. Kim, H. Ki, K. Y. Oang, S. Nozawa, T. Sato, J. Kim, T. K. Kim, J. Kim, S. Adachi, H. Ihee, **ChemPhysChem**, 14, 3687-3697 (2013).
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- [6] "Pump-Probe X-ray Solution Scattering Reveals Accelerated Folding of Cytochrome c upon Suppression of Misligation", T. W. Kim, J. G. Kim, C. Yang, H. Ki, J. Jo, H. Ihee, **Bull. Korean Chem. Soc.**, 35, 697-698 (2014).
- [7] "Direct observation of bond formation in solution with femtosecond X-ray scattering", K. H. Kim, J. G. Kim, S. Nozawa, T. Sato, K. Y. Oang, T. W. Kim, H. Ki, J. Jo, S. Park, C. Song, T. Sato, K. Ogawa, T. Togashi, K. Tono, M. Yabashi, T. Ishikawa, J. Kim, R. Ryoo, J. Kim, H. Ihee, S. Adachi, **Nature**, 518, 385-389 (2015).
- [8] "Solvent-dependent structure of molecular iodine probed by picosecond X-ray solution scattering", K. H. Kim, H. Ki, J. H. Lee, S. Park, Q. Kong, J. Kim, J. Kim, M. Wulff, H. Ihee, **Phys.Chem.Chem.Phys.**, 17, 8633-8637 (2015).
- [9] "Rotational dephasing of a gold complex probed by anisotropic femtosecond x-ray solution scattering using an x-ray free electron laser", J. G. Kim, K. H. Kim, K. Y. Oang, T. W. Kim, H. Ki, J. Jo, J. Kim, T. Sato, S. Nozawa, S. Adachi, H. Ihee, **J. Phys. B: At. Mol. Opt. Phys.**, 48, 244005-244012 (2015).