

## Publication of Key Young Oang

[13] "SVD-aided pseudo principal-component analysis: A new method to speed up and improve determination of the optimum kinetic model from time-resolved data", [K. Y. Oang](#), C. Yang, S. Muniyappan, J. Kim, H. Ihee\*, **Struct. Dyn.**, 4, 044013 (2017)

[12] "Ultrafast X-ray crystallography and liquidography", H. Ki, [K. Y. Oang](#), J. Kim, H. Ihee\*, **Annu. Rev. Phys. Chem.**, 68, 473 (2017)

[11] "Femtosecond X-ray solution scattering reveals that bond formation mechanism of a gold trimer complex is independent of excitation wavelength", K. H. Kim, J. G. Kim, [K. Y. Oang](#), T. W. Kim, H. Ki, J. Jo, J. Kim, T. Sato, S. Nozawa, S. Adachi\*, H. Ihee\*, **Struct. Dyn.**, 3, 043209 (2016)

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[9] "Tracking reaction dynamics in solution by pump-probe X-ray absorption spectroscopy and X-ray liquidography (solution scattering)", J. Kim\*, K. H. Kim, [K. Y. Oang](#), J. H. Lee, K. Hong, H. Cho, N. Huse, R. W. Schoenlein, T. K. Kim\*, H. Ihee\*, **Chem. Commun.**, 52, 3734 (2016).

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[5] "Sub-100-ps structural dynamics of horse heart myoglobin probed by time-resolved X-ray solution scattering", [K. Y. Oang](#), K. H. Kim, J. Jo, Y. Kim, J. G. Kim, T. W. Kim, S. Jun, J. Kim, H. Ihee<sup>\*</sup>, **Chem. Phys.**, 442, 137 (2014).

[4] "Conformational substates of myoglobin intermediate resolved by picosecond X-ray solution scattering", [K. Y. Oang](#)<sup>#</sup>, J. G. Kim<sup>#</sup>, C. Yang, T. W. Kim, Y. Kim, K. H. Kim, J. Kim, H. Ihee<sup>\*</sup>, **J. Phys. Chem. Lett.**, 5, 804 (2014).

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[2] "Direct observation of cooperative protein structural dynamics of homodimeric hemoglobin from 100 picoseconds to 10 milliseconds with pump-probe X-ray solution scattering", K. H. Kim<sup>#</sup>, S. Muniyappan<sup>#</sup>, [K. Y. Oang](#)<sup>#</sup>, J. G. Kim<sup>#</sup>, S. Nozawa, T. Sato, S. Koshihara, R. Henning, I. Kosheleva, H. Ki, Y. Kim, T. W. Kim, J. Kim, S. Adachi, H. Ihee<sup>\*</sup>, **J. Am. Chem. Soc.**, 134, 7001 (2012).

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