# KUTAY BERK SEZGINEL

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## PUBLICATIONS

## Gulsoy, Z., **Sezginel, K. B.**, Uzun A., Keskin S., and Yildirim R. (2018). Analysis of CH4 Uptake over MOFs using data mining tools. ACS Combinatorial Science, 2019.

## **Sezginel, K. B.**, Asinger P., Babaei H., and Wilmer C.E. (2018).Thermal Transport in Interpenetrated Metal–Organic

## Frameworks. Chemistry of Materials, 2281-2286. (featured on the front cover)

## Sezginel, K.B., Feng T., Wilmer, C.E. (2017). Discovery of Hypothetical Hetero-Interpenetrated MOFs with Arbitrarily Dissimilar Topologies and Unit Cell Shapes. CrystEngComm 19.31 (2017): 4497-4504. (futured on front cover)

## Sezginel, K. B., Keskin, S., & Uzun, A. (2016). Tuning the Gas Separation Performance of CuBTC by Ionic Liquid Incorporation. Langmuir, 32(4), 1139-1147.

## Basdogan, Y., Sezginel, K. B., & Keskin, S. (2015). Identifying highly selective metal organic frameworks for CH4/H2 separations using computational tools. Industrial & Engineering Chemistry Research, 54(34

## Sezginel, K. B., Uzun, A., & Keskin, S. (2015). Multivariable linear models of structural parameters to predict methane uptake in metal–organic frameworks. Chemical Engineering Science, 124, 125-134.

## CONFERENCE PRESENTATIONS (ORAL)

## American Chemical Society Annual Meeting – 2019 (USA)

## American Institute of Chemical Engineers Annual Meeting – 2014, 2016, 2018 (USA)

## Metal-Organic Frameworks International Meeting – 2018 (Auckland, New Zealand)

## Simulators Meeting – 2016, 2018 (Pittsburgh, USA)

## Midwest Thermodynamics and Statistical Mechanics Conference 2018 (Pittsburgh, USA)

## NanoTR – 2014 (Istanbul, Turkey)

## HONORS & AWARDS

## Molecular Sciences and Software Institute (MolSSI) Fellow (2018 Phase I)

## Best Graduate Paper Award (Summer `17), Chemical Engineering Department, University of Pittsburgh

## Startup Blitz Pitch Competition, First Place, University of Pittsburgh ($1500 prize)

## Foresight Institute 2017 Workshop: Artificial Intelligence for Molecular Machines Invitation

## Innocentive challenge entitled Chemical Sorbents for Fixed Bed Mercury (Hg 0 ) Control ($5000 prize)

## Full Merit Scholarship – Koc University, BS and MS

## Best Chemical and Biological Engineering Senior Project Award (Biodiesel Production from Algae Oil)