

$[\text{CdCl}_3\text{F}_3]^{4-}$ $[\text{CdBr}_3\text{F}_3]^{4-}$ NH_4^+ cation

Highly Distorted $[\text{CdX}_3\text{F}_3]^{4-}$ Octahedra

Crystallographic Information

	$(\text{NH}_4)_2\text{Cd}_2\text{Cl}_2\text{F}_8$	$(\text{NH}_4)_2\text{Cd}_2\text{Br}_2\text{F}_8$
Crystal System	Trigonal	Trigonal
Space Group	R32	R32
a (Å)	6.8883(2)	7.0034(3)
b (Å)	16.8040(3)	17.3701(11)
c (Å)	690.51(4)	737.82(8)
β (°)	0.71703	0.71703
V (Å ³)	288(2)	0.0204
Z	0.0504	0.017(17)

$\frac{1}{V} \sum (F_o - F_c)^2 / \sum (F_o)^2$



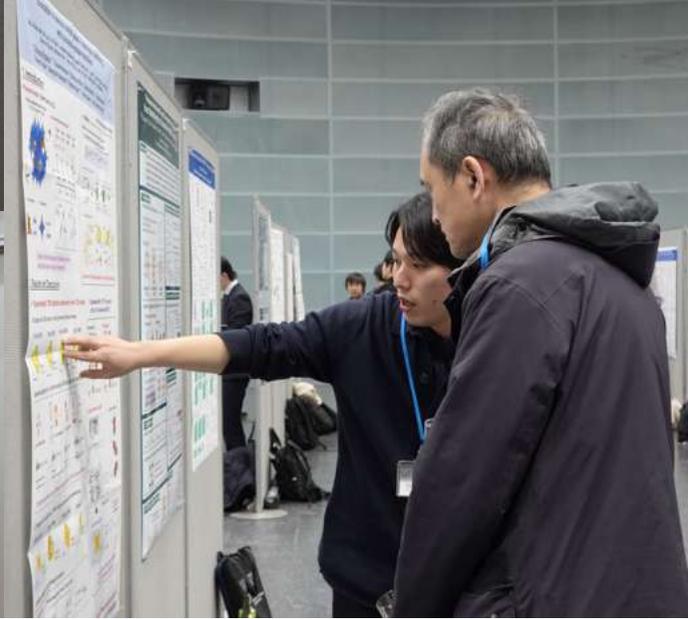
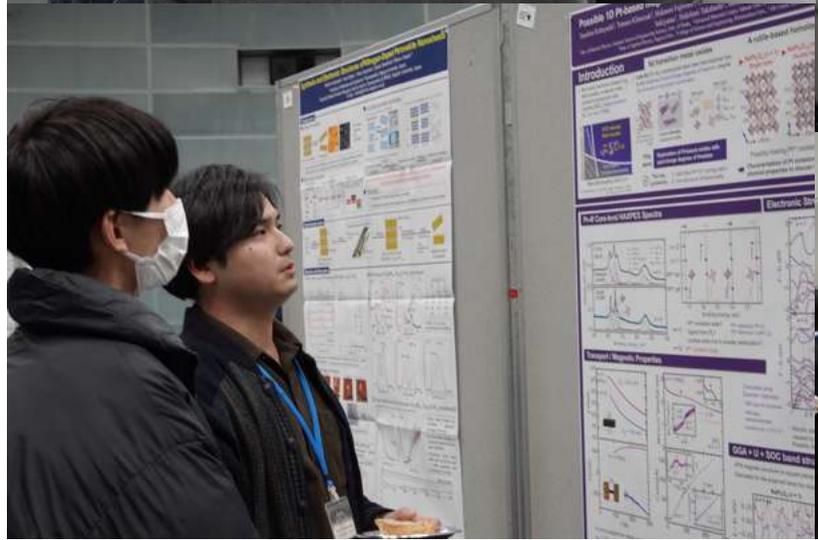
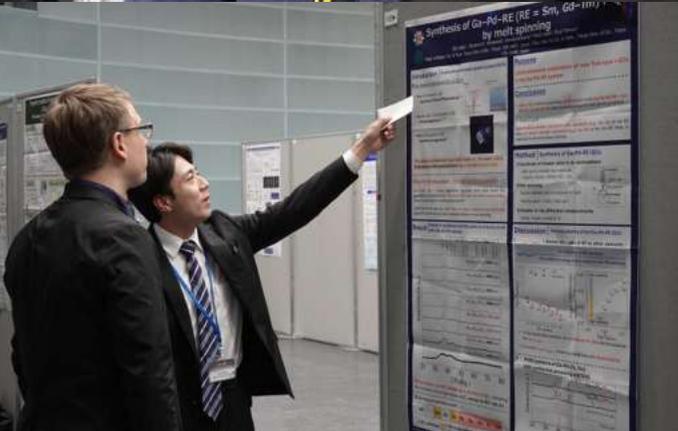
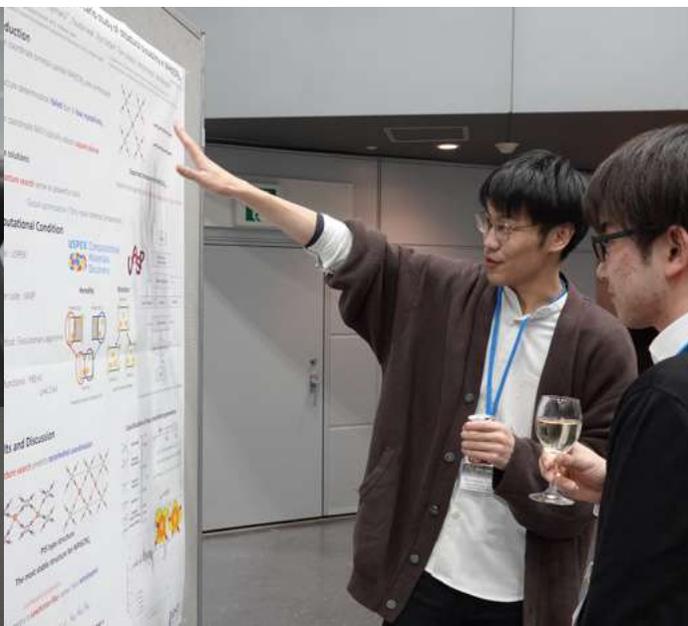
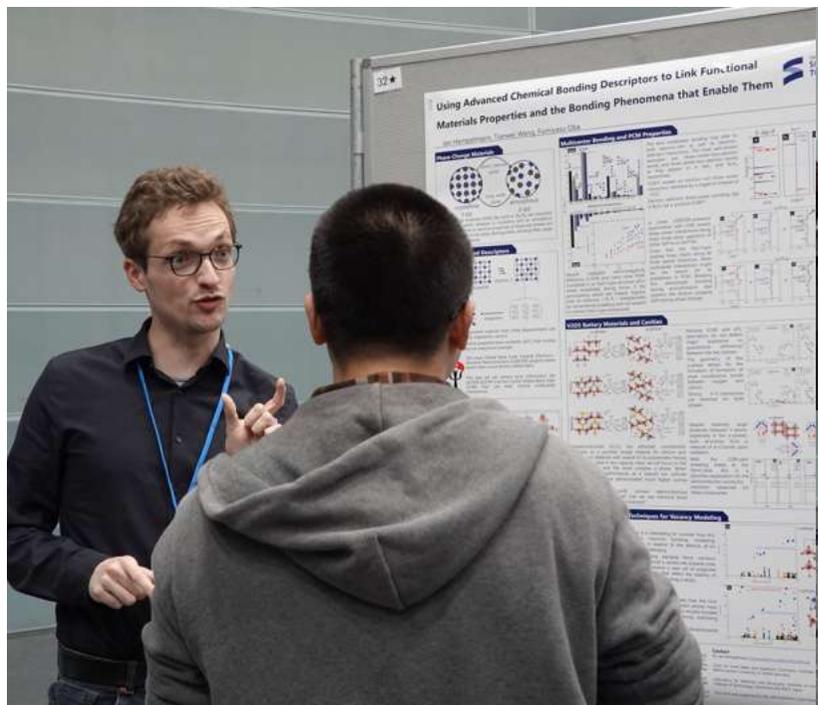
of computational synthesis and synthesizab
 (+ Announcement of the Synthesis Bounty

Wenhao Sun
 Dow Early Career Professor
 Materials Science and Engineering
 University of Michigan





















Korea, 2027

Korea  Japan



Kang Min Ok
Sogang University
Korea

INVITATION

The 3rd International Symposium
on Solid-State Chemistry (ISSSC2027)

November 1- 5, 2027 (Tentative)
Busan (Tentative)
S. Korea

