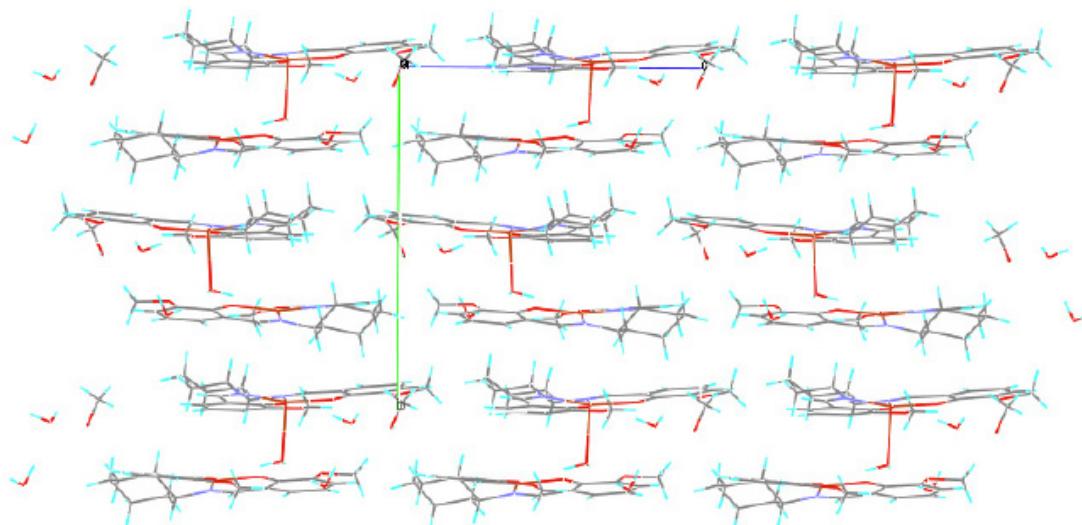


## Supplementary Material

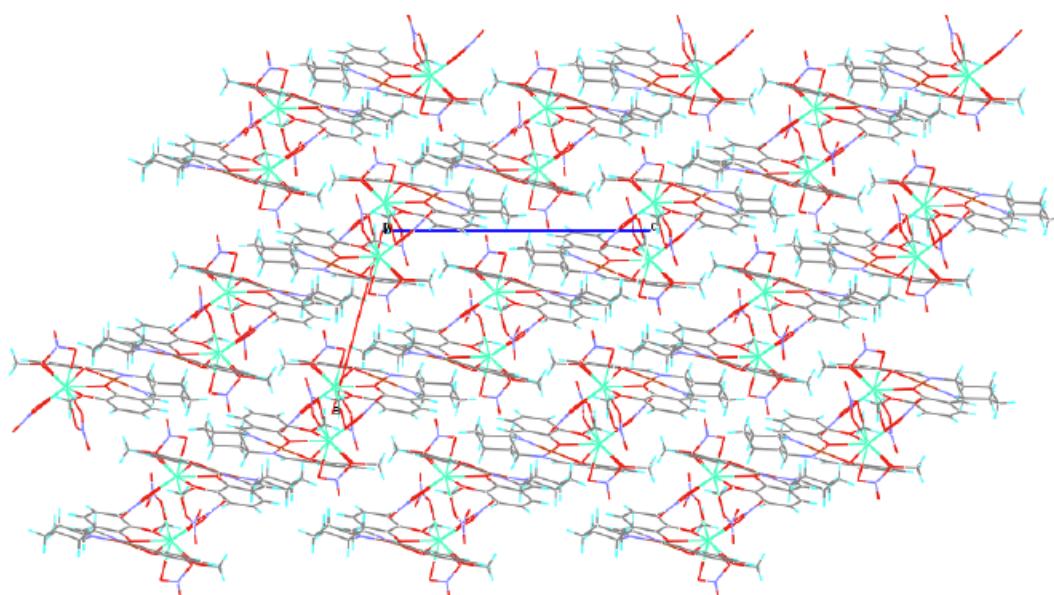
# Variety of Crystal Structures of Chiral Schiff Base Lu(III)-Ni(II)/Cu(II)/Zn(II) and the Related Complexes

Shingo Orita and Takashiro Akitsu\*

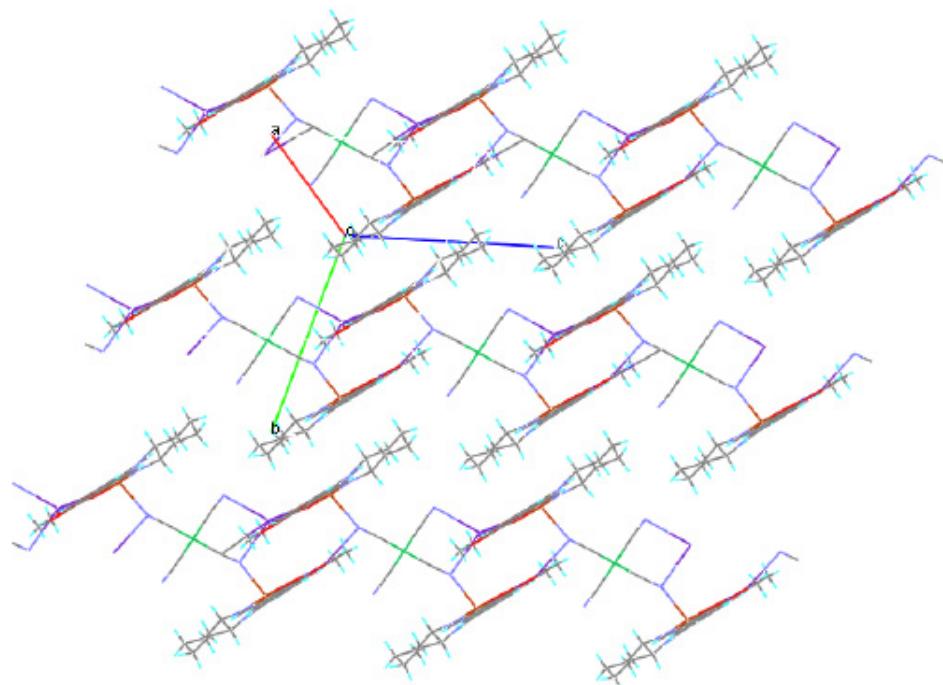
Department of Chemistry, Faculty of Science, Tokyo University of Science, 1-3 Kagurazaka, Shinjuku-ku, Tokyo 162-8601, Japan



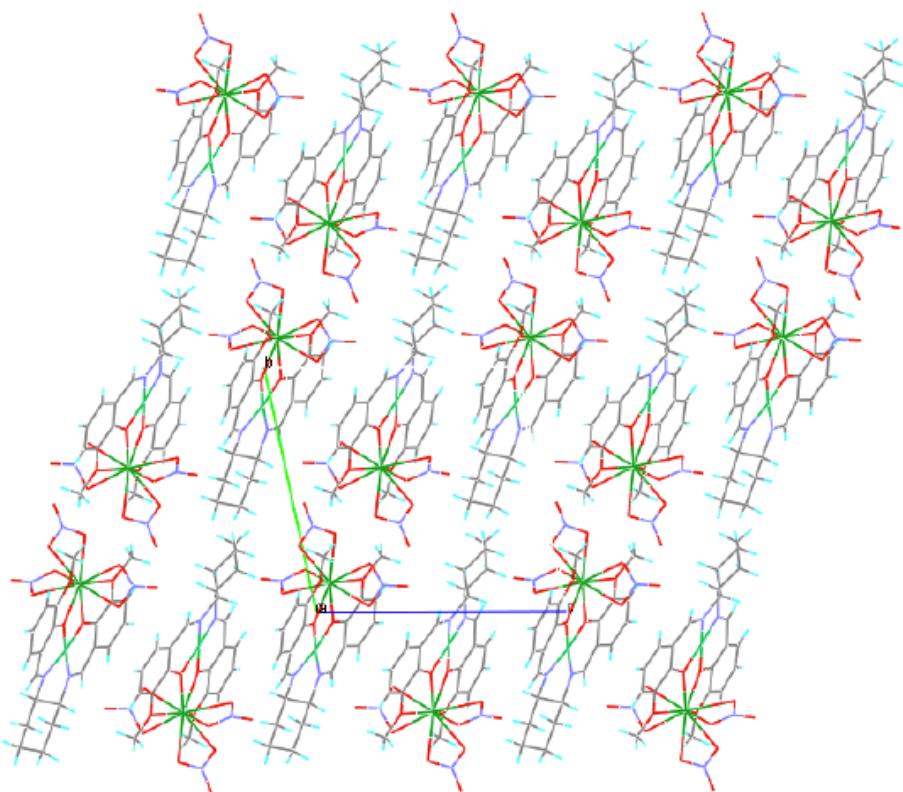
**Fig. (S1).** Crystal packing of cyCu viewed down from the  $a$  axis.



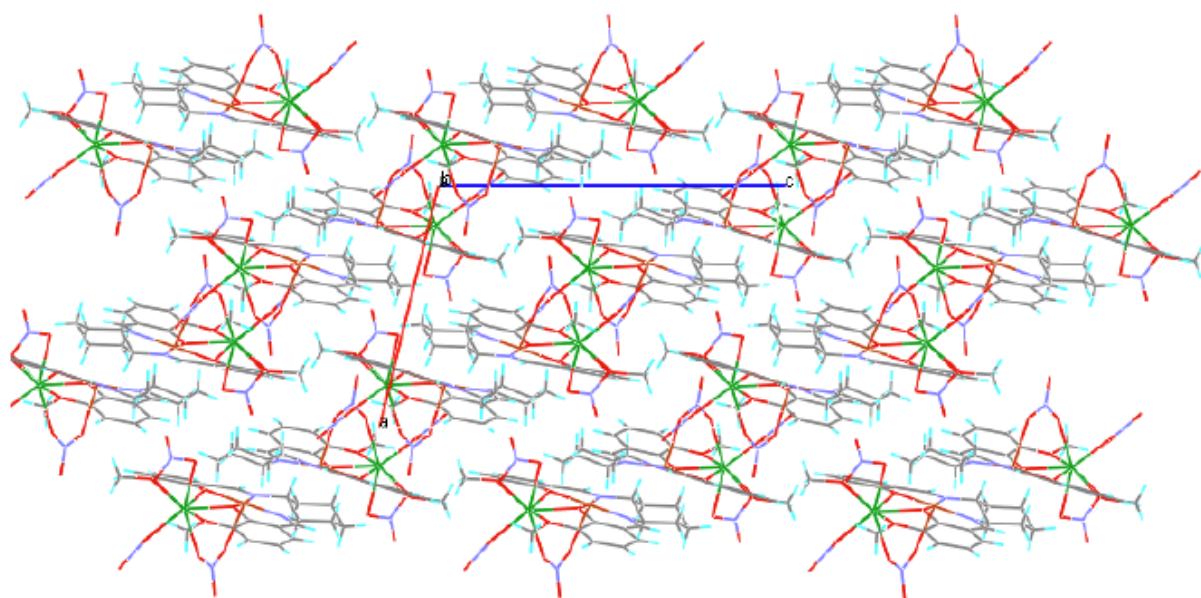
**Fig. (S2).** Crystal packing of cyGdCu viewed down from the  $b$  axis.



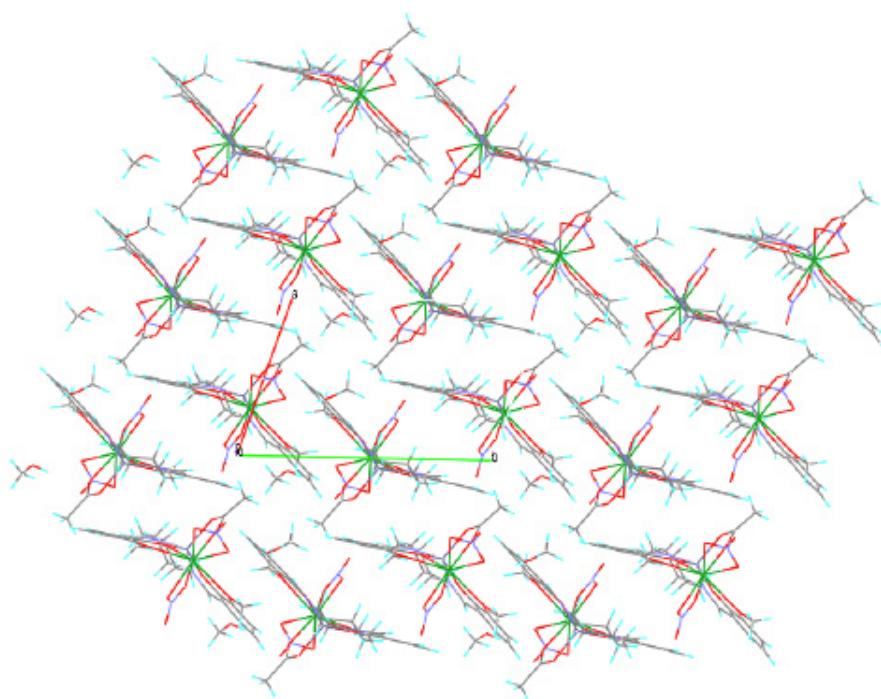
**Fig. (S3).** Crystal packing of cyCuKNi.



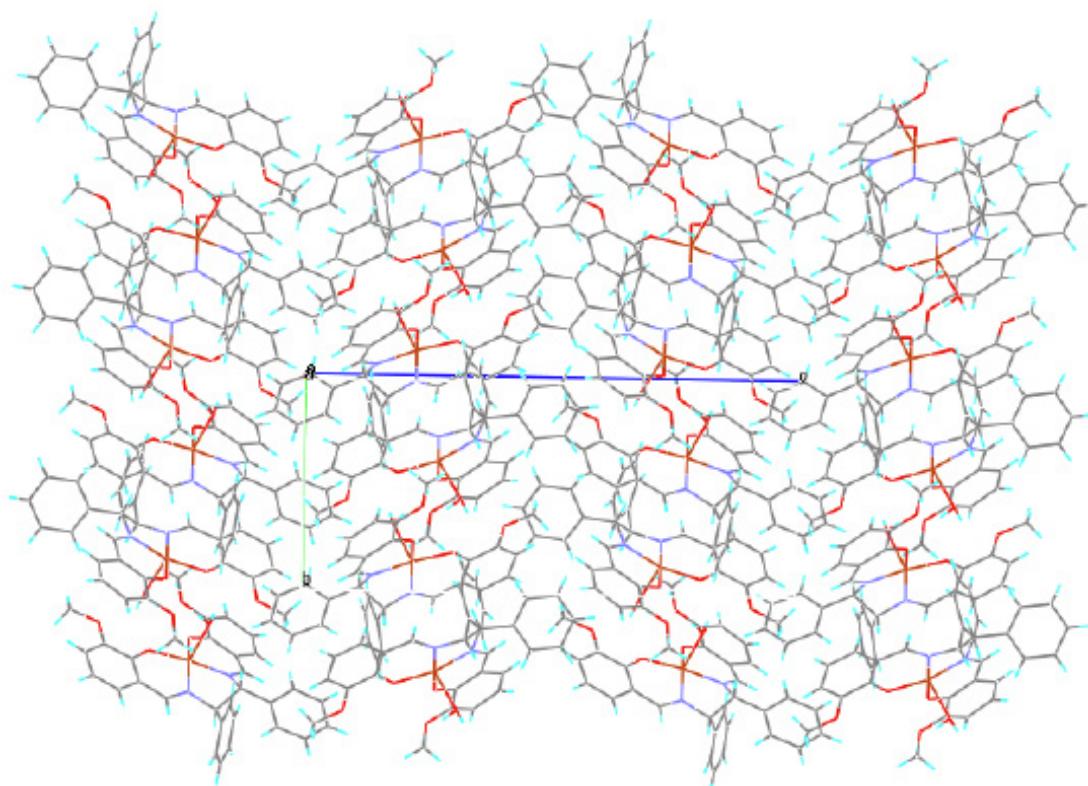
**Fig. (S4).** Crystal packing of cyLuNi viewed down from the  $a$  axis.



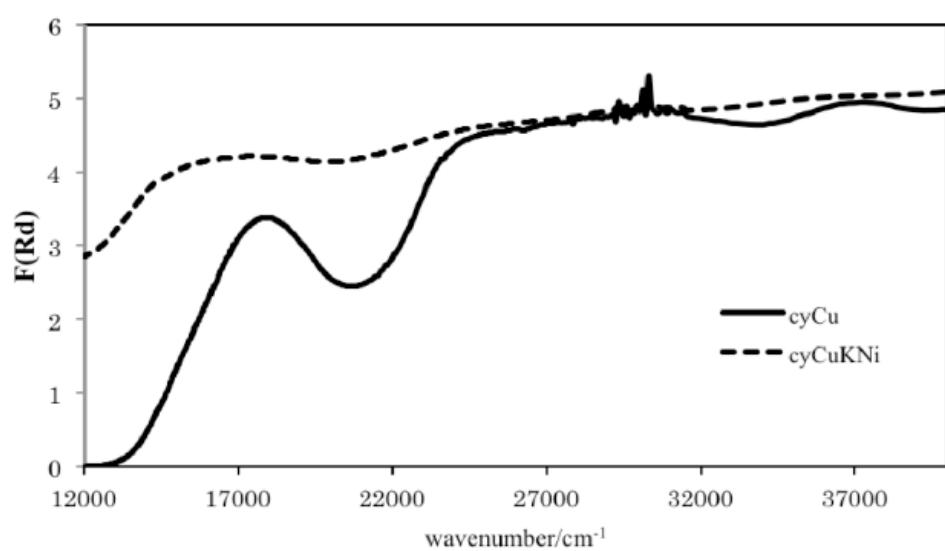
**Fig. (S5).** Crystal packing of cyLuCu viewed down from the *b* axis.



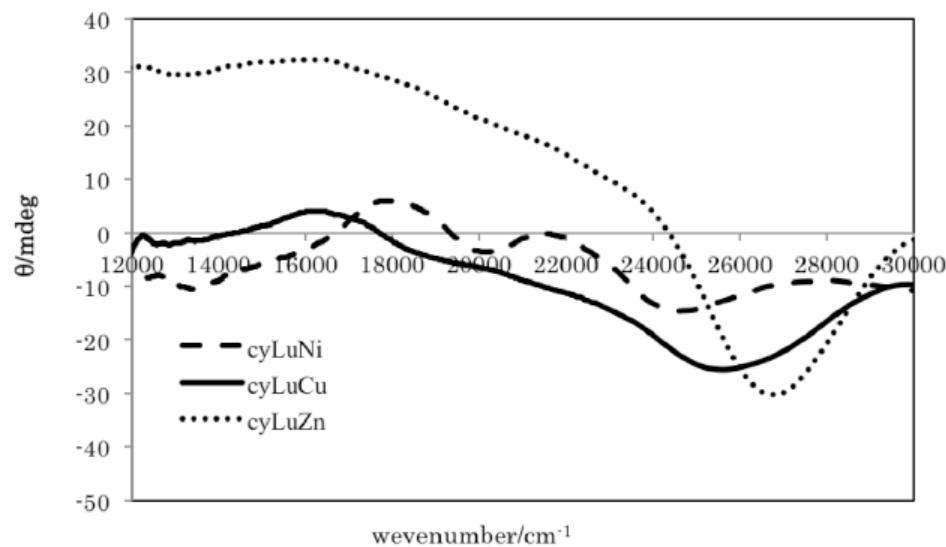
**Fig. (S6).** Crystal packing of cyLuZn viewed down from the *c* axis.



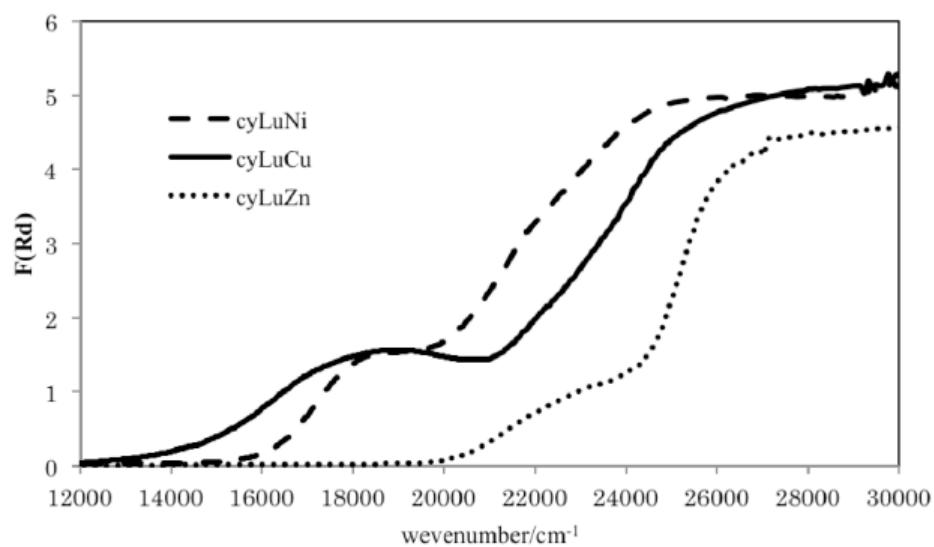
**Fig. (S7).** Crystal packing of **diCu** viewed down from the  $a$  axis.



**Fig. (S8).** Diffuse reflectance electronic spectra of **cyCu**, **cyCuKNi**.



**Fig. (S9).** Solid-state CD spectra of cyLuNi, cyLuCu, and cyLuZn.



**Fig. (S10).** Diffuse reflectance electronic spectra of cyLuNi, cyLuCu, and cyLuZn.