

ESI

Tin based organic-inorganic hybrid semiconductors with reversible phase transition
and dielectric anomaly

Xiuli You¹, Jiaojiao Yao, Zhenhong Wei*,²

¹ Jiangxi key laboratory of organic chemistry, Jiangxi science and technology normal
university, Nanchang 330013, China

² College of chemistry, Nanchang University Nanchang city, P.R. China

Corresponding Email: weizh@ncu.edu.cn

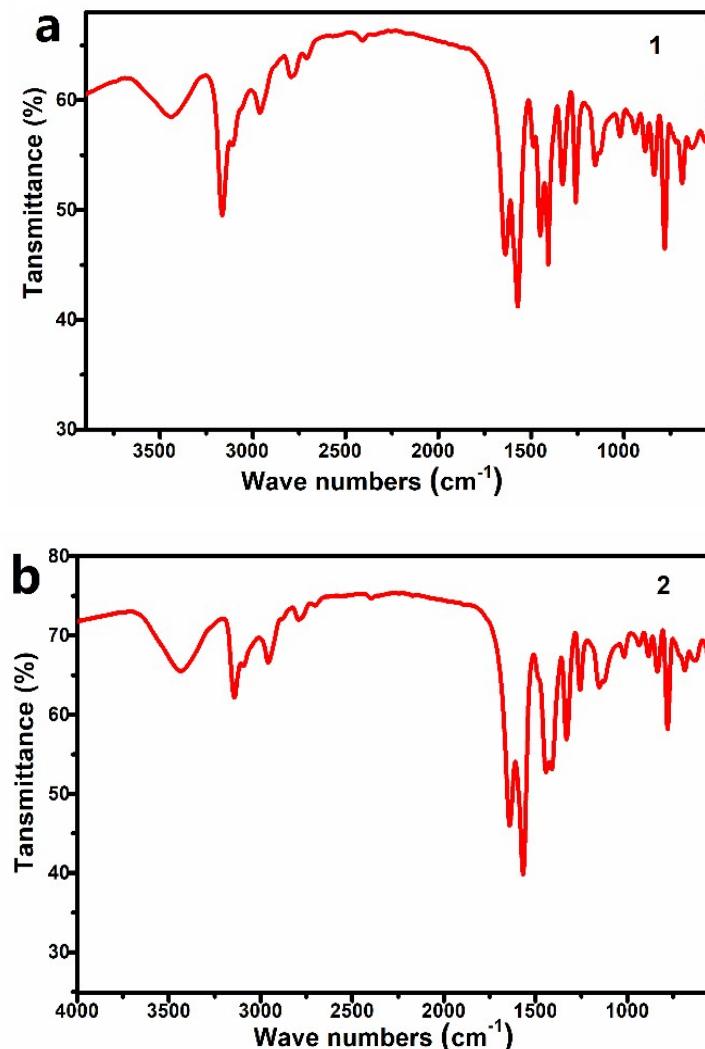


Figure 1s the IR spectra of **1** and **2**

Table 1S hydrogen bonds in compound $[(\text{FMBA})_2\text{SnCl}_6]$ (**1**)

D-H...A	D-H	H...A	D...A	D-H...A
N(1)-H(1A)…Cl(1)#1	0.90	2.75	3.3842	128
N(1)-H(1A)…Cl(3)#1	0.90	2.70	3.5309	154
N(1)-H(1B)…Cl(2)	0.90	2.54	3.3243	146

Symmetry codes: #1 -1+x, y, z

Table 2S hydrogen bonds in compound $[(\text{FMBA})_2\text{SnBr}_6]$ (**2**)

D-H...A	D-H	H...A	D...A	D-H...A
N(1)-H(1A)…Br(1)#1	0.90	2.88	3.6914	151
N(1)-H(1A)…Br (3)#2	0.90	2.84	3.4718	128
N(1)-H(1B)…Br(2)	0.90	2.69	3.4772	147

Symmetry codes: #1 1-x, -y, 1-z; #2 1+x, y, z