

Figure S1. The comparison between the IR spectra of **1** and $\text{H}_4\text{SiW}_{12}\text{O}_{40}$

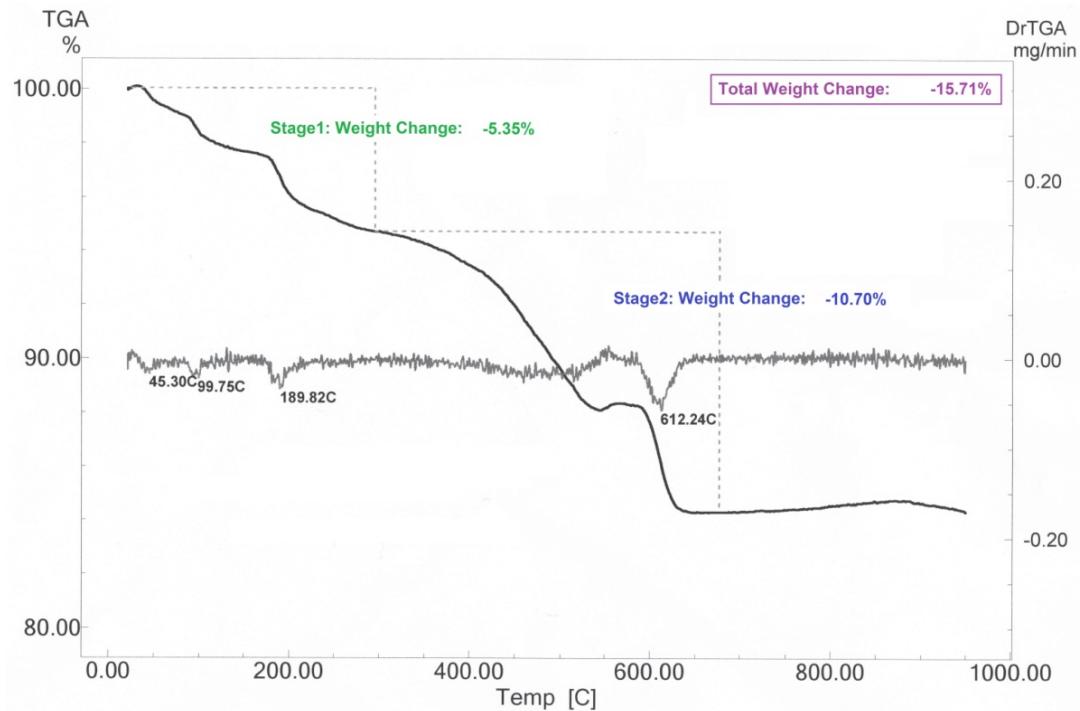


Figure S2. TG/DTG curves of **1**

Table S1. Selected bond lengths (\AA) for **1**.

	Nd1	Nd2	
<i>Nd–O_{carboxylate}</i>		<i>Nd–O_{carboxylate}</i>	
Nd1–O41	2.38(1)	Nd2–O42	2.47(2)
Nd1–O47	2.40(2)	Nd2–O48	2.57(1)
Nd1–O48	2.37(2)	Nd2–O49	2.54(2)
Nd1–O50	2.40(1)	Nd2–O51	2.40(2)
<i>Nd–O_{water}</i>		<i>Nd–O_{water}</i>	
Nd1–O43	2.61(2)	Nd2–O52	2.49(1)
Nd1–O44	2.48(1)	Nd2–O53	2.48(2)
Nd1–O45	2.44(2)	Nd2–O54	2.53(2)
Nd1–O46	2.50(1)	<i>Nd–O_{POM}</i>	
		Nd2–O1	2.47(1)
		Nd2–O11	2.55(1)

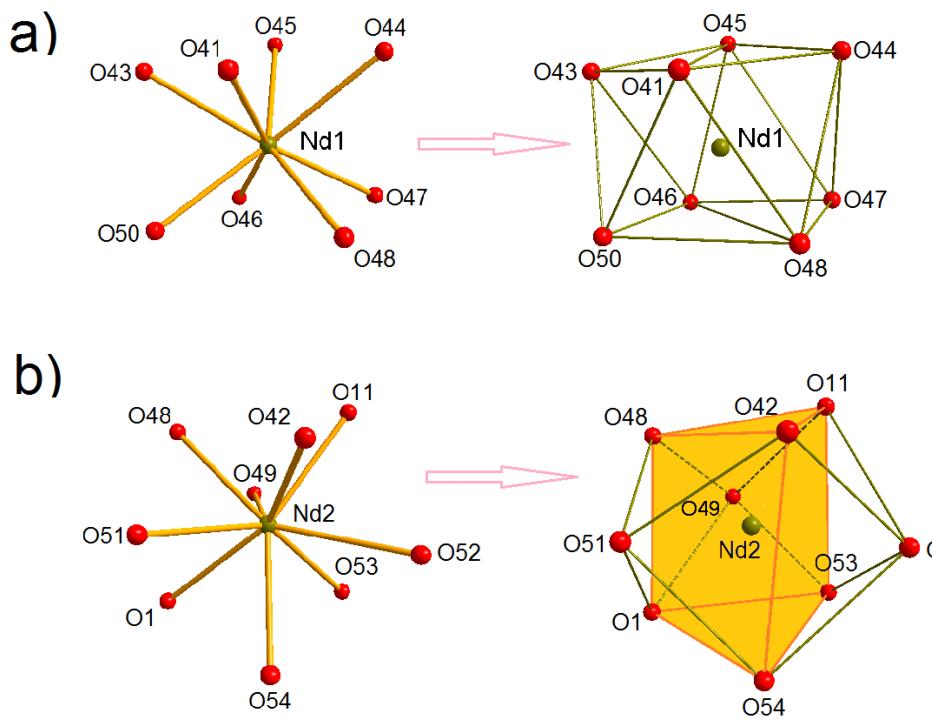


Figure S3. Coordination geometry around Nd1 and Nd2 in **1**

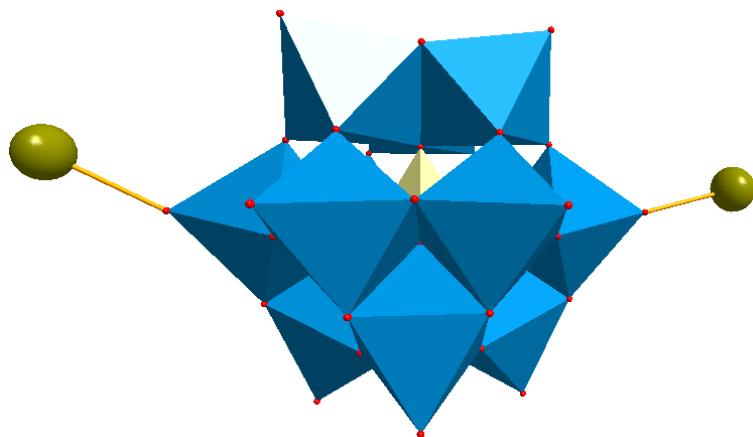


Figure S4. Coordination mode of SiW₁₂ in **1**

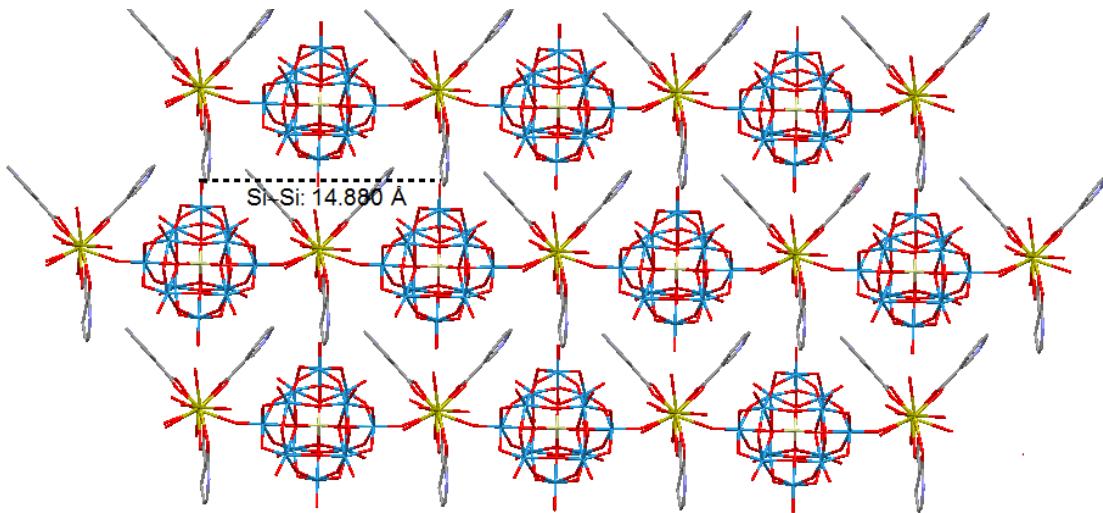


Figure S5. Packing arrangement of **1**

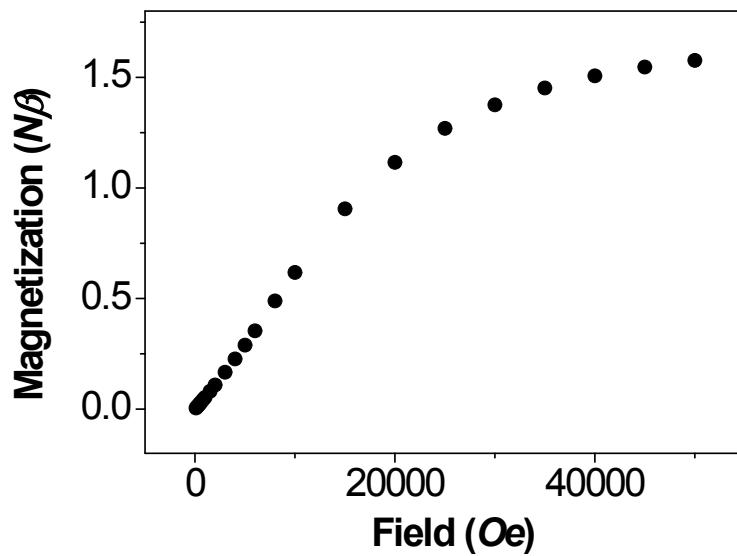


Figure S6. Magnetization measurements for **1**