

Supporting Information

Using alcohols as alkylation reagents for 4-cyanopyridinium and N,N'-dialkyl-4,4'-bipyridinium and their one-dimensional iodoplumbates

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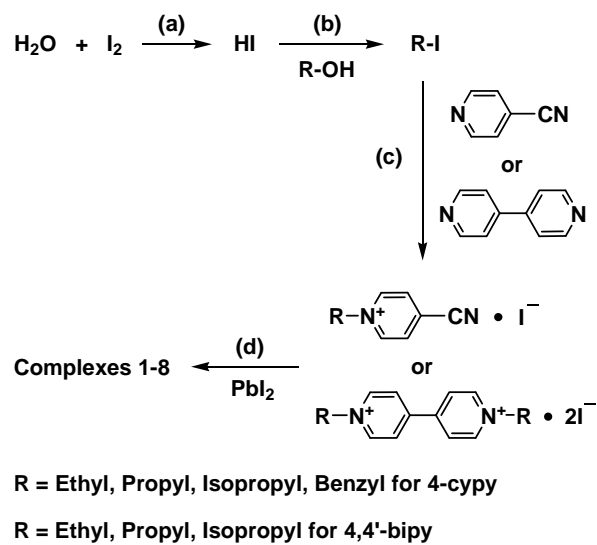
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Scheme S1 The possible mechanisms on generating complexes **1-8** with C^+/C^{2+} and V^{2+} cations.

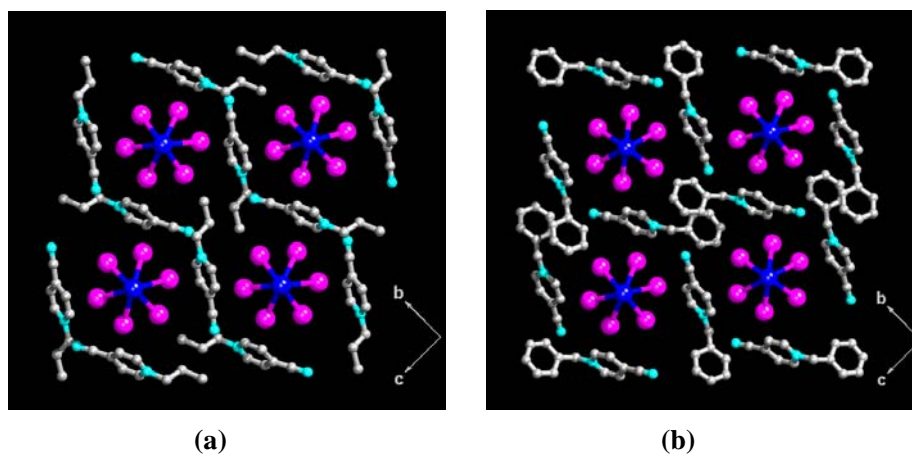


Fig. S1 3D packing diagrams of **2** (a) and **4** (b) looking down along *a*-axis. Atom color codes: C, gray; N, cyan; Pb, blue; I, pink (the same hereinafter). H atoms are omitted for clarity.

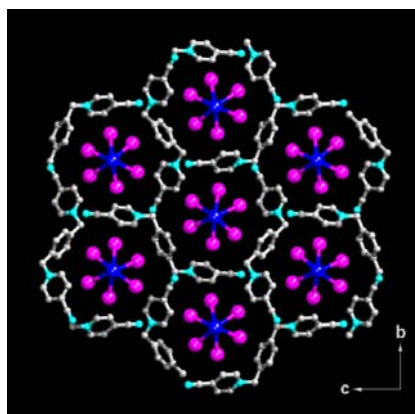


Fig. S2 3D packing diagram of **5** looking down along *a*-axis. H atoms are omitted for clarity.

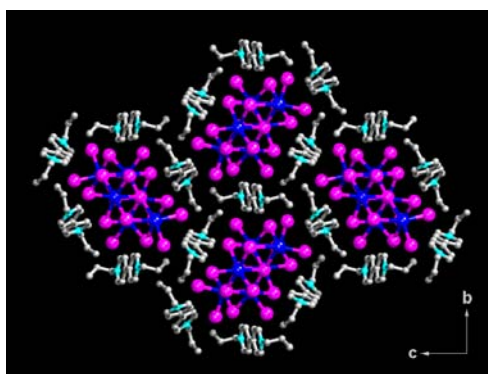


Fig. S3 3D packing diagram of **7** looking down along *a*-axis. H atoms are omitted for clarity.

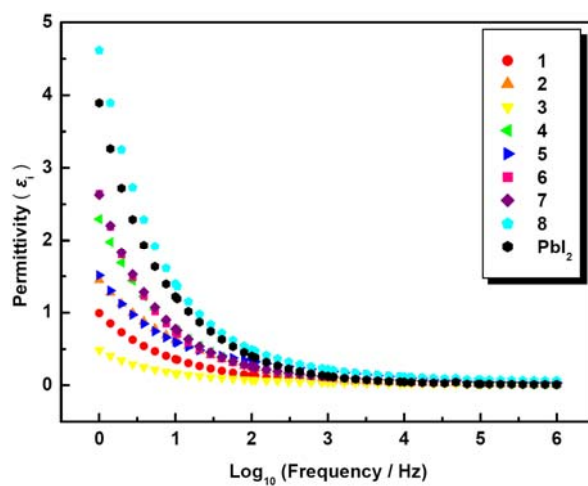


Fig. S4 Frequency dependence of permittivity (imaginary part) of **1–8** at 298 K.