Electronic Supplementary Information for:

A New Carbon Intercalated Compound of Dion-Jacobson Phase HLaNb₂O₇

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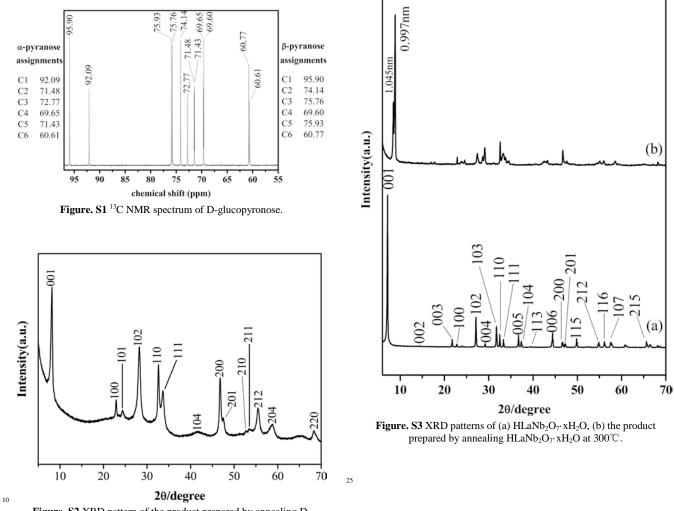


Figure. S2 XRD pattern of the product prepared by annealing Dglucopyranose-HLaNb₂O₇ at 350°C.

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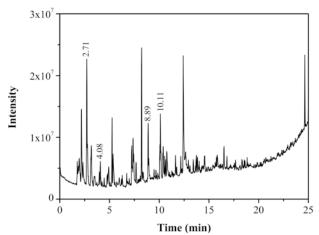


Fig. S4 The ion chromatogram from fast pyrolysis. 2-Methyl furan (RT = 2.71), Furfural (RT = 4.08), 2-Cyclopenten-one (RT = 8.89), 5-Methyl furfural (RT = 10.11)

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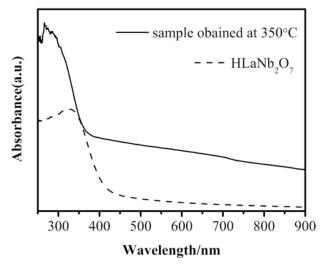


Fig. S6 UV-Visible diffusive reflectance spectra the sample obtained at $350^\circ C$ and HLaNb₂O₇.

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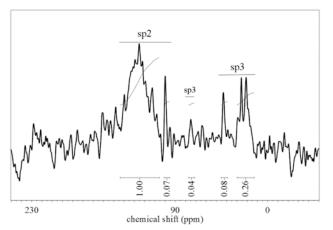


Fig. S5 Integration of the ¹³C NMR spectrum of carbon-HLaNb₂O₇.

 $_{10}$ Table. S1 carbon contents of D-glucopyranose-HLaNb_2O_7 and carbon-HLaNb_2O_7.

sample name	carbon contents (%)
D-glucopyranose-HLaNb ₂ O ₇	5.21
carbon- HLaNb ₂ O ₇	4.69