

Supplementary information

Table.S1 The elements analysis of V₂O₅ and VPO by ICP-OES

	Al	As	Ba	Ca	Cr	Cu	Fe	K	Mg	Mn	Mo
V ₂ O ₅	0.016	0.0001	0.001	0.0003	0.0008	0.0003	0.0031	0.0036	0.0004	0.0001	0.0052
VPO	0.0054	0.0001	0.0005	0.0094	0.0004	0.0003	0.0032	0.0005	0.0012	0.0001	0.002
Na	Ni	P	Pb	S	Si	Sn	Sr	Ti	V	Zn	Zr
0.001	0.0003	0.0005	0.0002		0.015	0.0003	<0.0001	0.0001		0.0002	0.0007
0.0052	0.0008	21.5	0.0007	0.024	0.0045	0.002	<0.0001	0.0001	16.9	0.0008	0.0003