

Electronic Supplementary Information

**Crystallization mechanism and photocatalytic performance of
vanadium-modified bismuth oxide through precipitation processes at
room temperature**

Table S1 SEM-EDXS results of A-BV sample

Time	A-BV005	A-BV01	A-BV02
10 min	0.014	0.045	0.082
1 h	0.016	0.051	0.098
6 h	0.023	0.102	0.119
12 h	0.048	0.105	0.116
24 h	0.054	0.102	0.124

Table S2 Elemental analysis of B-BV sample

Sample	ICP	SEM-EDXS	TEM-EDXS
B-BV02	0.16	0.18	0.16
B-BV05	0.23	0.22	0.21