Supplementary information for

Photodegradation Activity of Sputtered Indium Oxide and Sub-oxide Thin Films on Rhodamine-B Dye

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	Unit cell	Sub-oxide I	Sub-oxide II
Cavity 1 Volume	32.01 Å^3	65.1728 Å^3	34.2260 Å^3
Cavity 1 Surface Area	61.7038 Å^2	90.1148 Å^2	64.1029 Å^2
Cavity 1 squared gyration radius	2.6053 Å^2	3.9553 Å^2	2.6322 Å^2
Cavity 2 Volume	27.9772 Å^3	30.6001 Å^3	37.8965 Å^3
Cavity 2 Surface Area	54.4932 Å^2	55.0001 Å^2	67.7500 Å^2
Cavity 2 squared gyration radius	2.3265 Å^2	2.3717 Å^2	2.8914 Å^2
Cavity 3 Volume		62.7446 Å^3	37.0417 Å^3
Cavity 3 Surface Area		114.1808 Å^2	63.8927 Å^2
Cavity 3 squared gyration radius		8.5463 Å^2	2.6880 Å^2
Cavity 4 Volume		27.1872 Å^3	25.6958 Å^3
Cavity 4 Surface Area		53.8397 Å^2	53.2402 Å^2
Cavity 4 squared gyration radius		2.3241 Å^2	2.1592 Å^2
Cavity 5 Volume			91.3246 Å^3
Cavity 5 Surface Area			152.3633 Å^2
Cavity 5 squared gyration radius			9.9958 Å^2
Total Volume	59.9 Å^3	185 Å^3	226 Å^3
Average squared gyration radius		4.299 Å^2	4.073 Å^2

Table S1. The continuous cavity domains determined by PyModal for a stochiometric In_2O_3 2 × 1 × 1 unit cell, and suboxide unit cells generated by the Supercell program. The grey highlighted rows represent the values for which the averaged cavity volume is determined.