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Table S1. Peak positions of deconvoluted ZnO and ZnO-PDA PL spectra and power coefficient values

Peak position, eV	P1	P2	Р3	P4
ZnO	2.08±0.104	3.28±0.164	3.34±0.167	3.367±0.168
k	0.53±0.026	1.45±0.072	1.44±0.072	1.33±0.066
ZnO-PDA	2.05±0.102	3.27±0.163	3.348±0.167	3.368±0.168
k	0.4±0.02	1.07±0.053	1.42±0.071	1.27±0.063

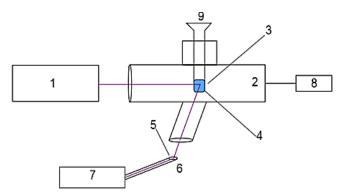


Figure S1 - Schematic of PL low temperature Set-up. Labels show: 1 - laser, 2 - vacuum chamber, 3 - sample holder, 4 - sample, 5 - quartz lens, 6 - optical fiber, 7 - spectrometer, 8 - vacuum pump, 9 - temperature controller