

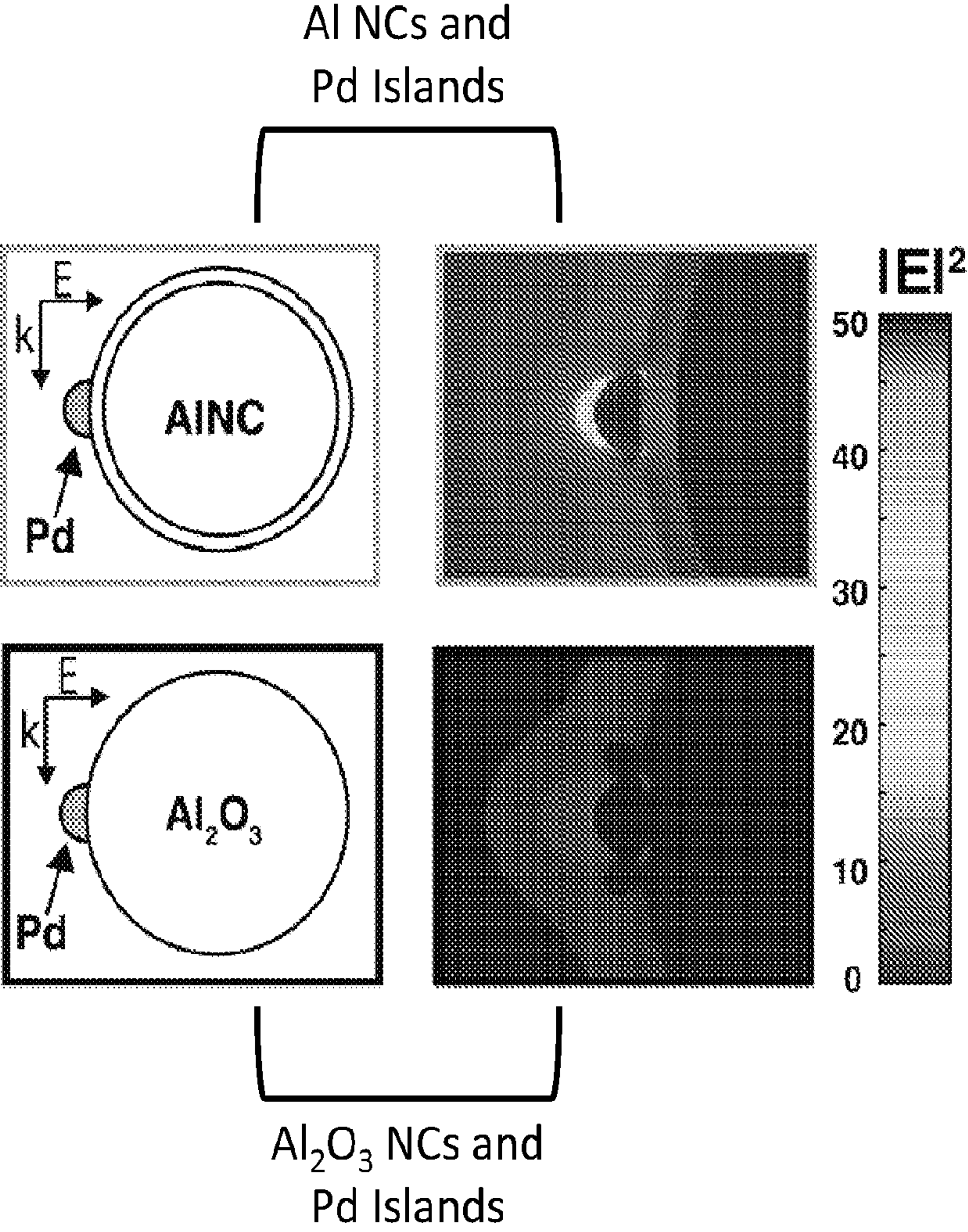


FIG. 1

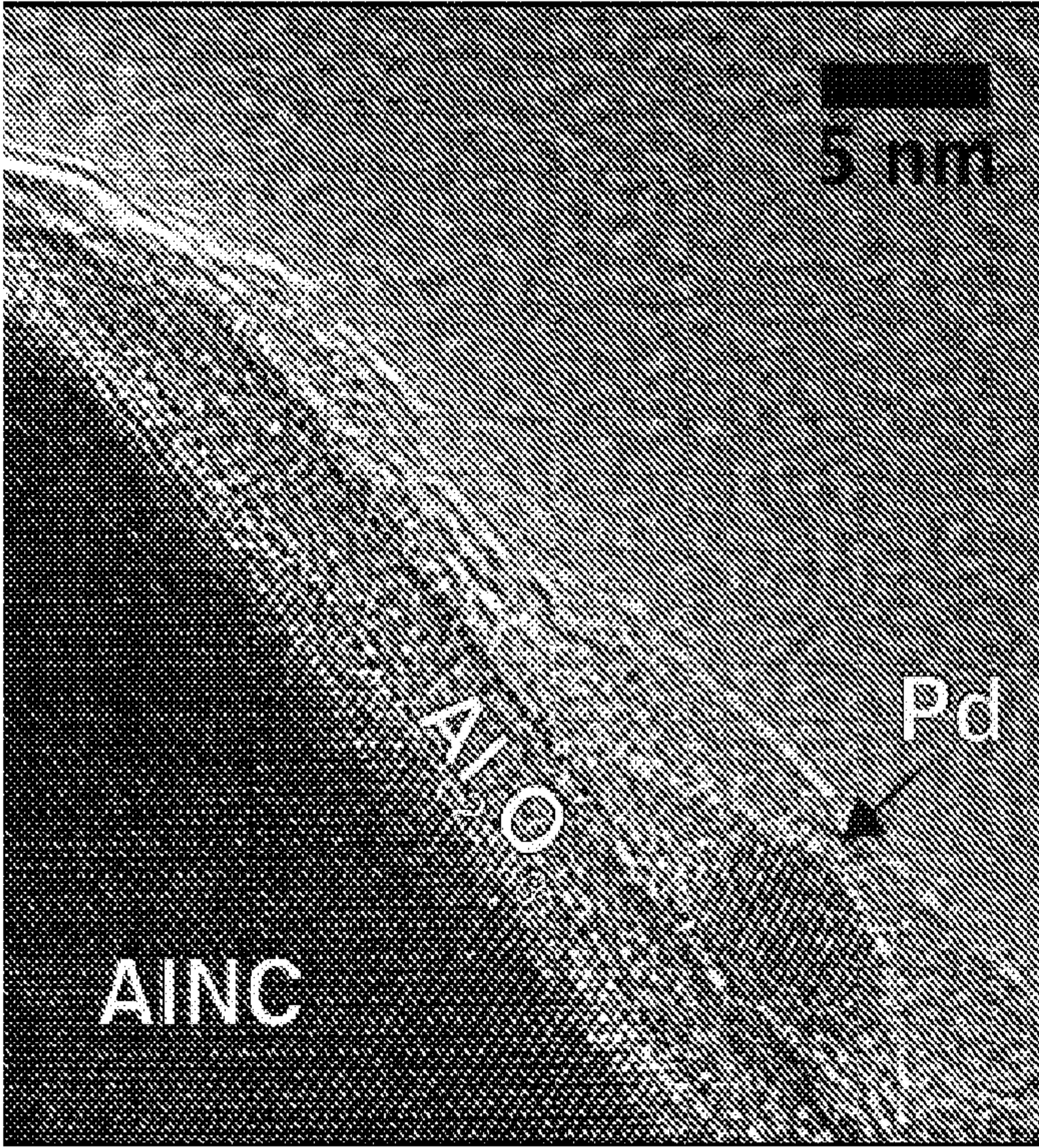


FIG. 2

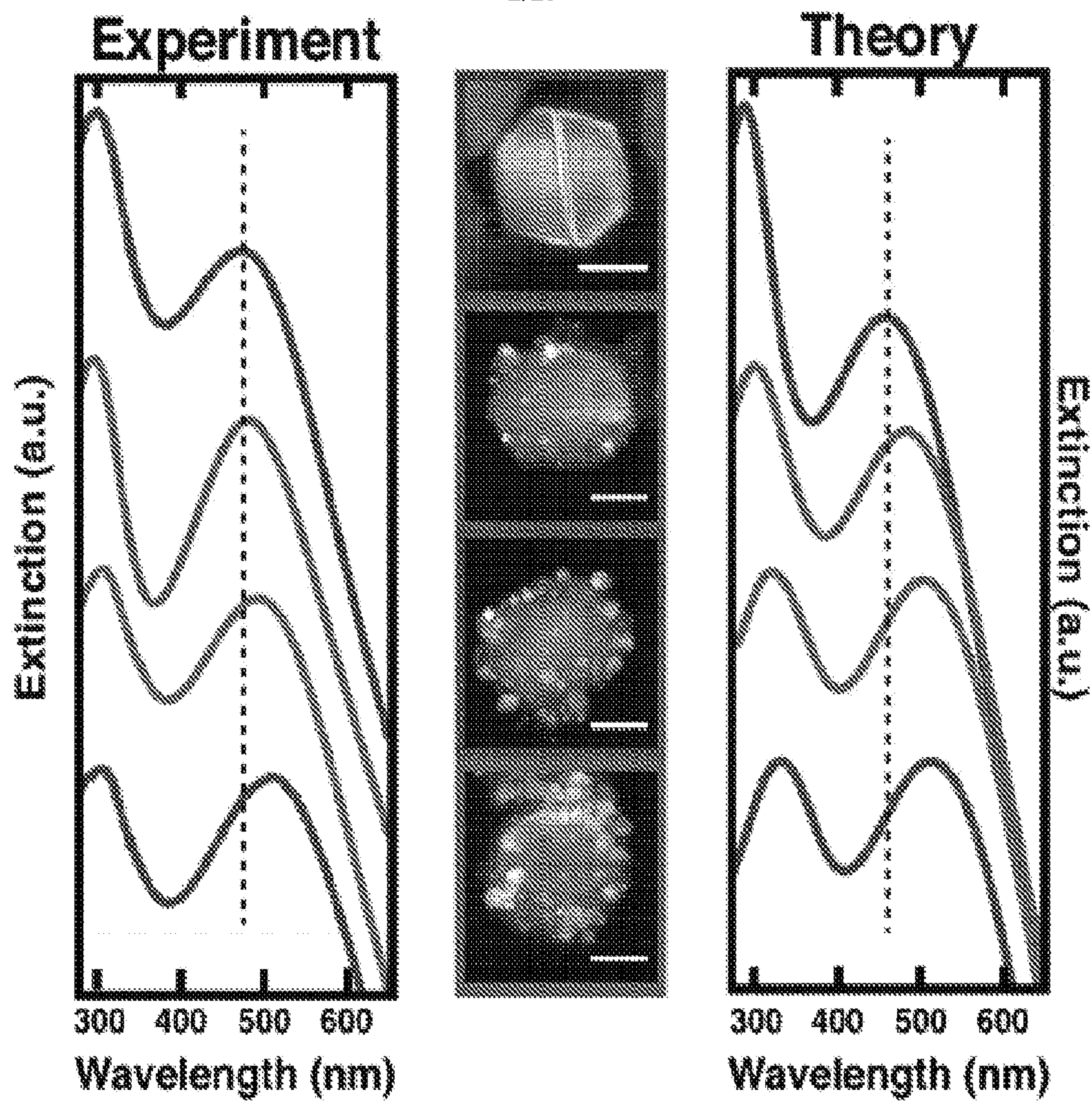


FIG. 3

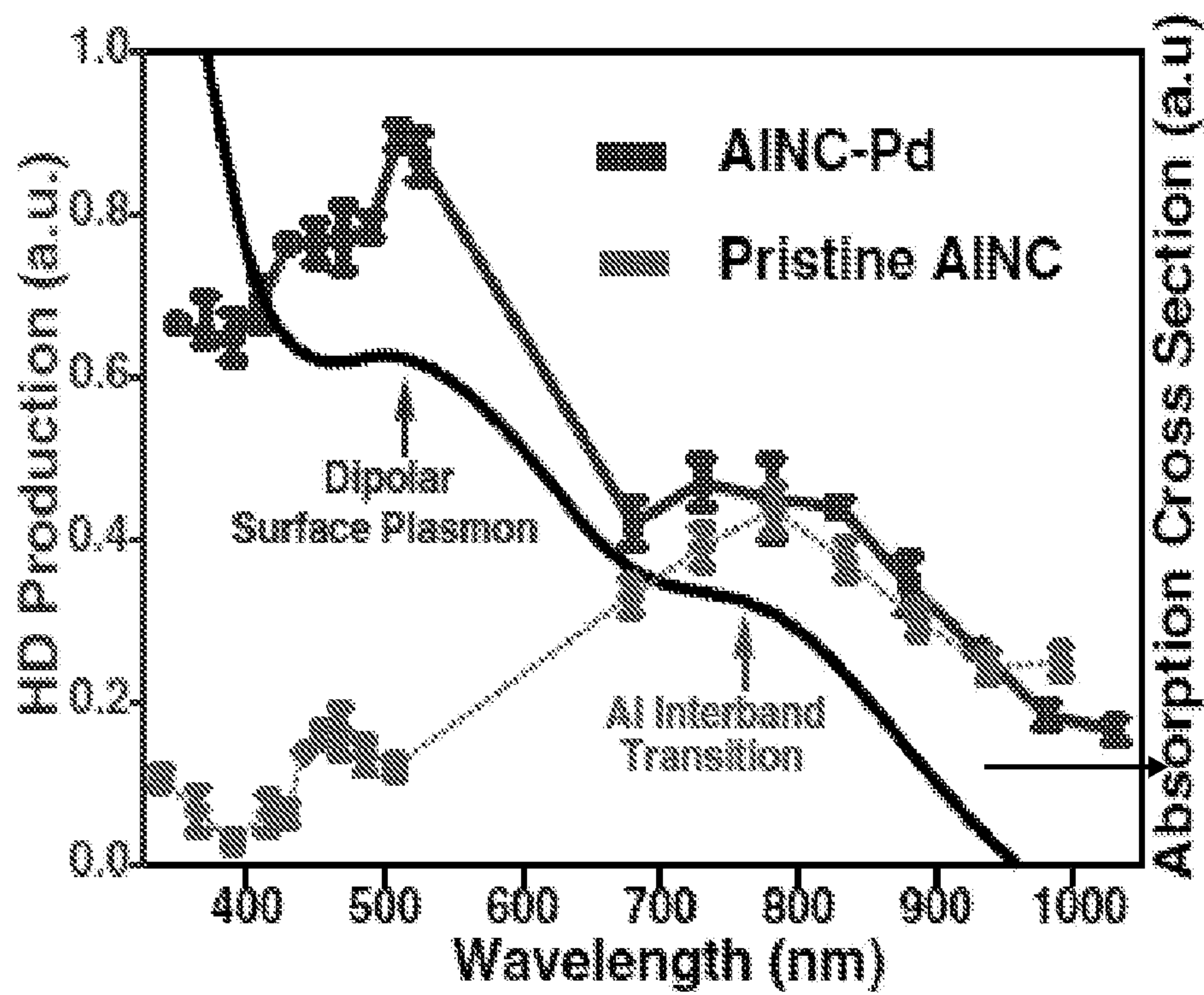


FIG. 4

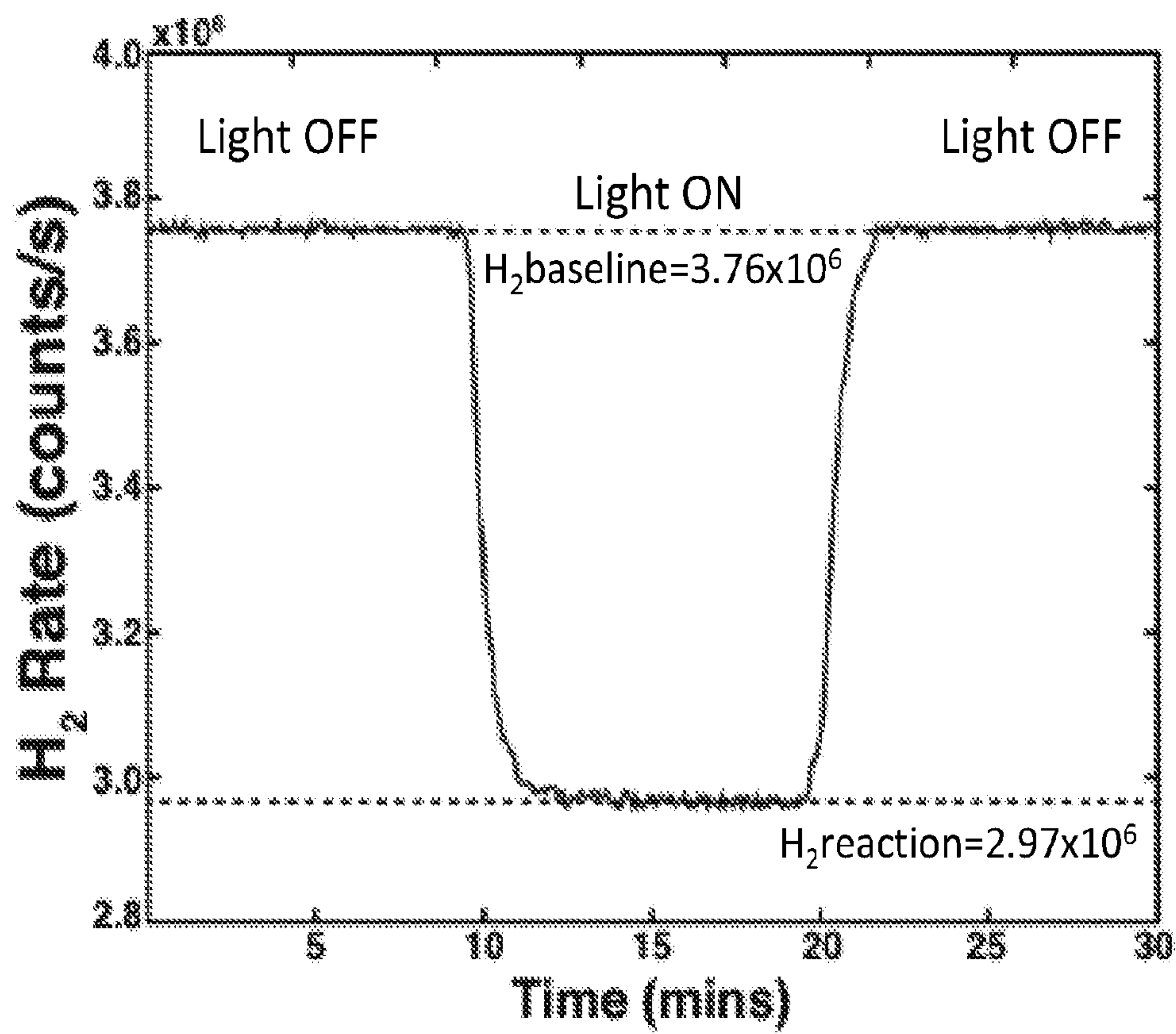


FIG. 5

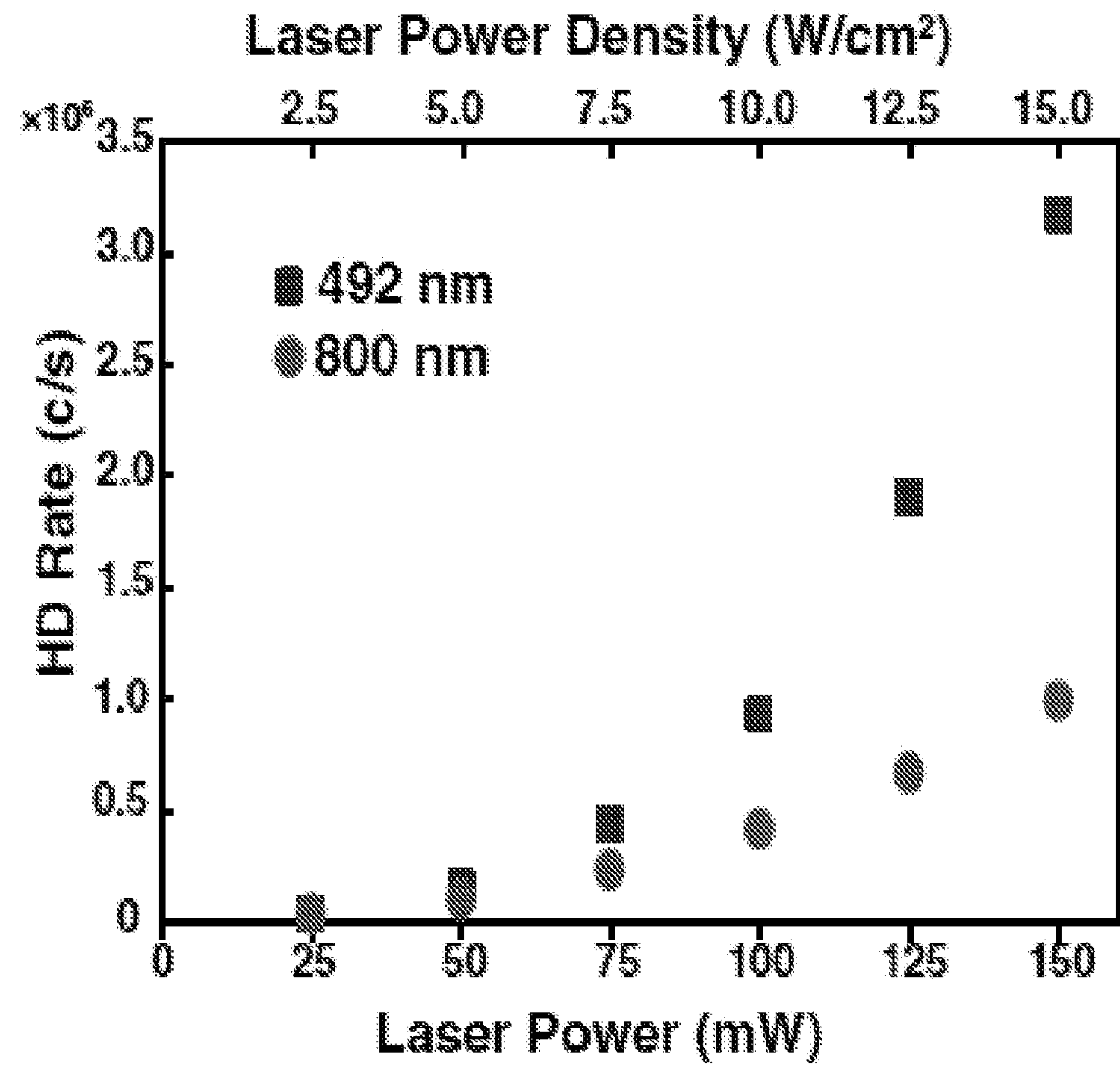


FIG. 6

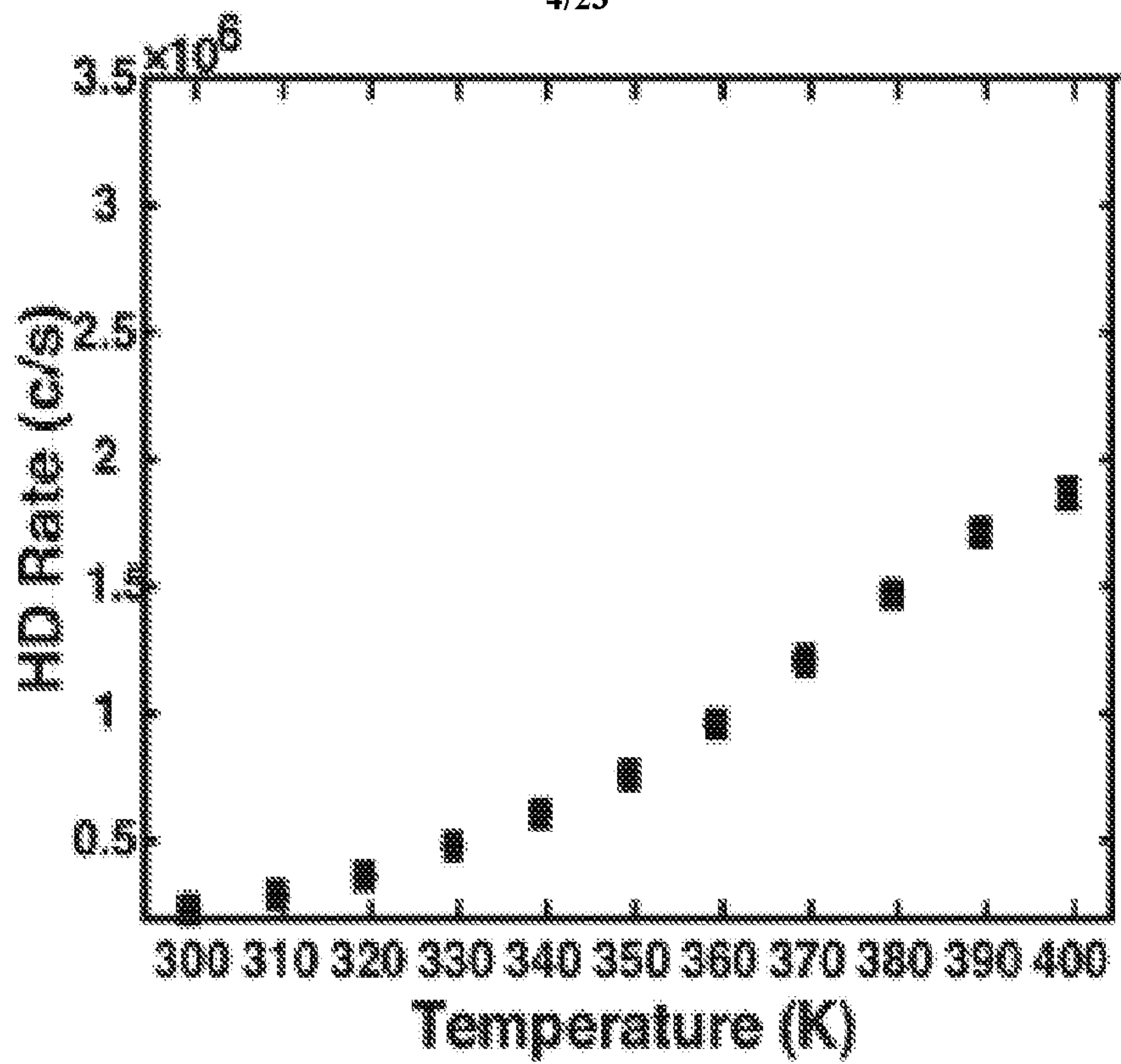


FIG. 7

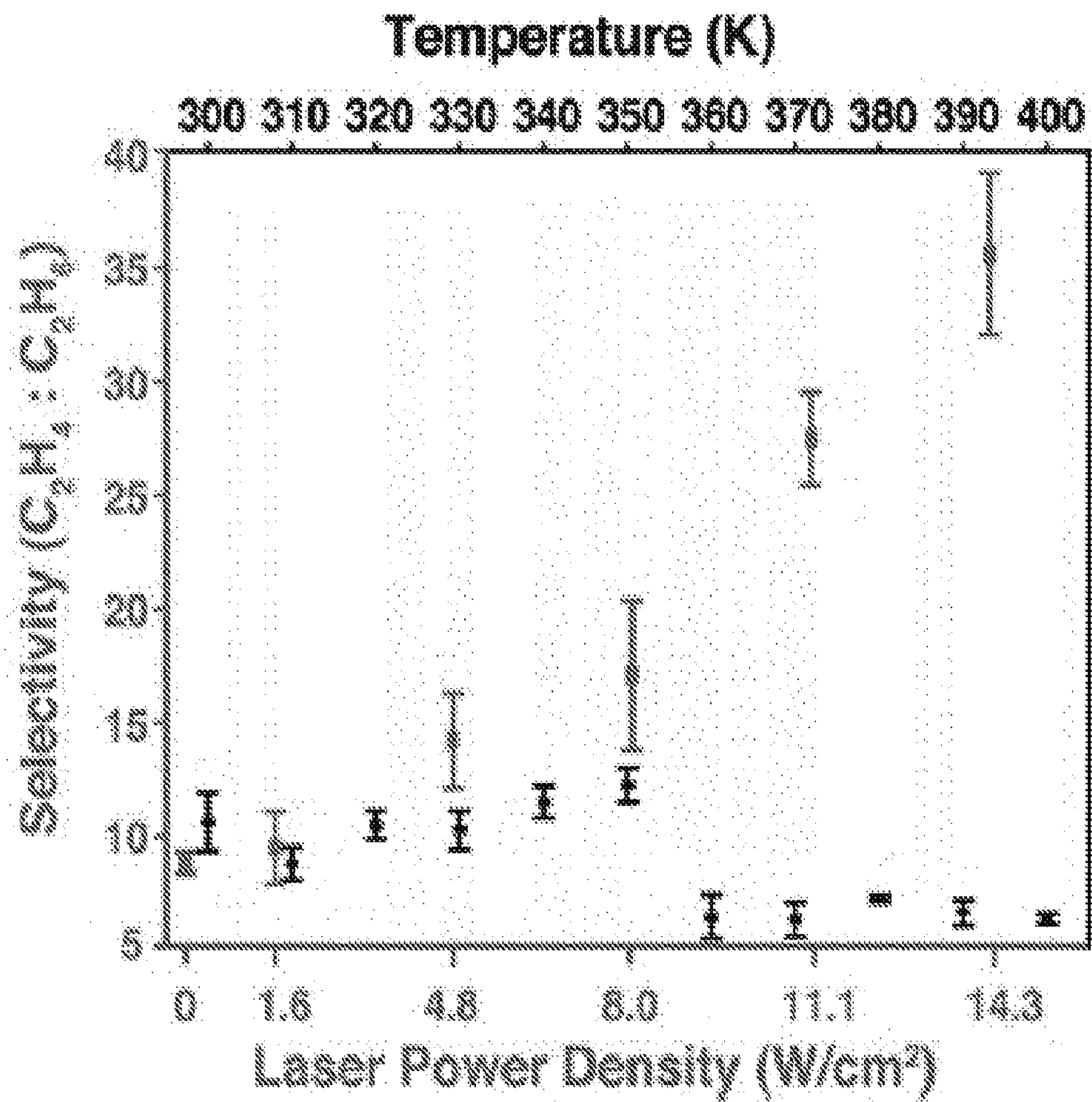


FIG. 8

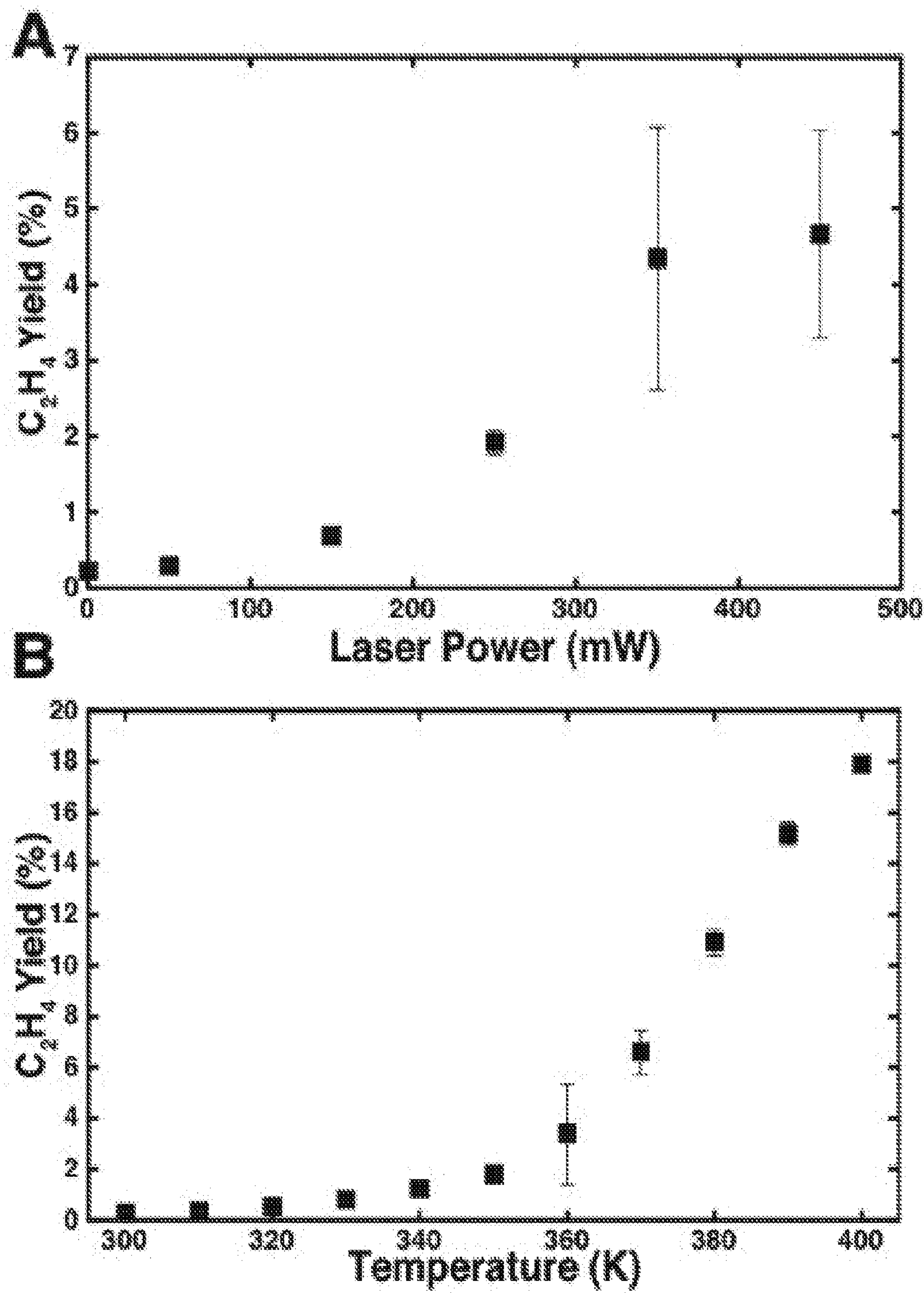


FIG. 9

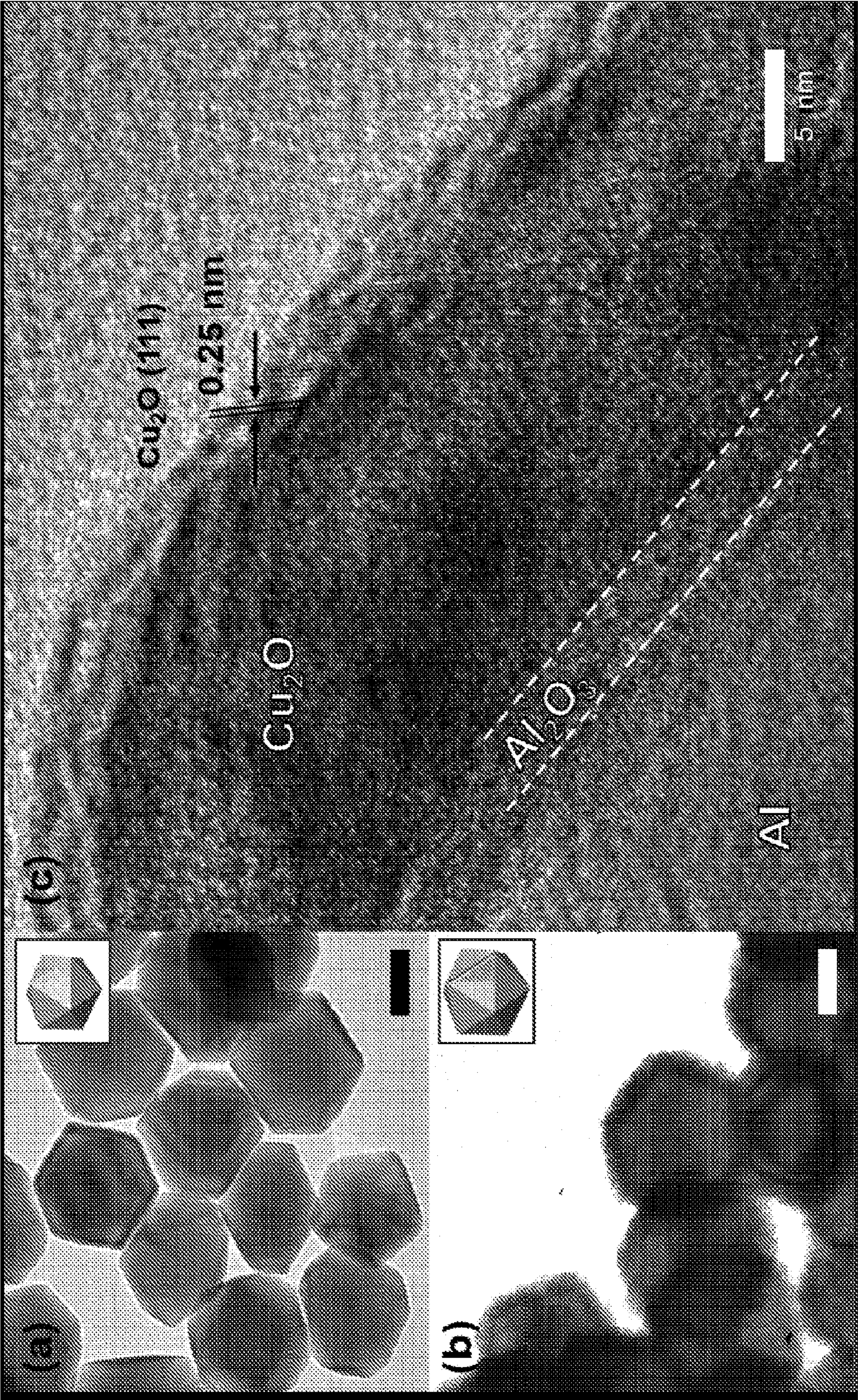


FIG. 10

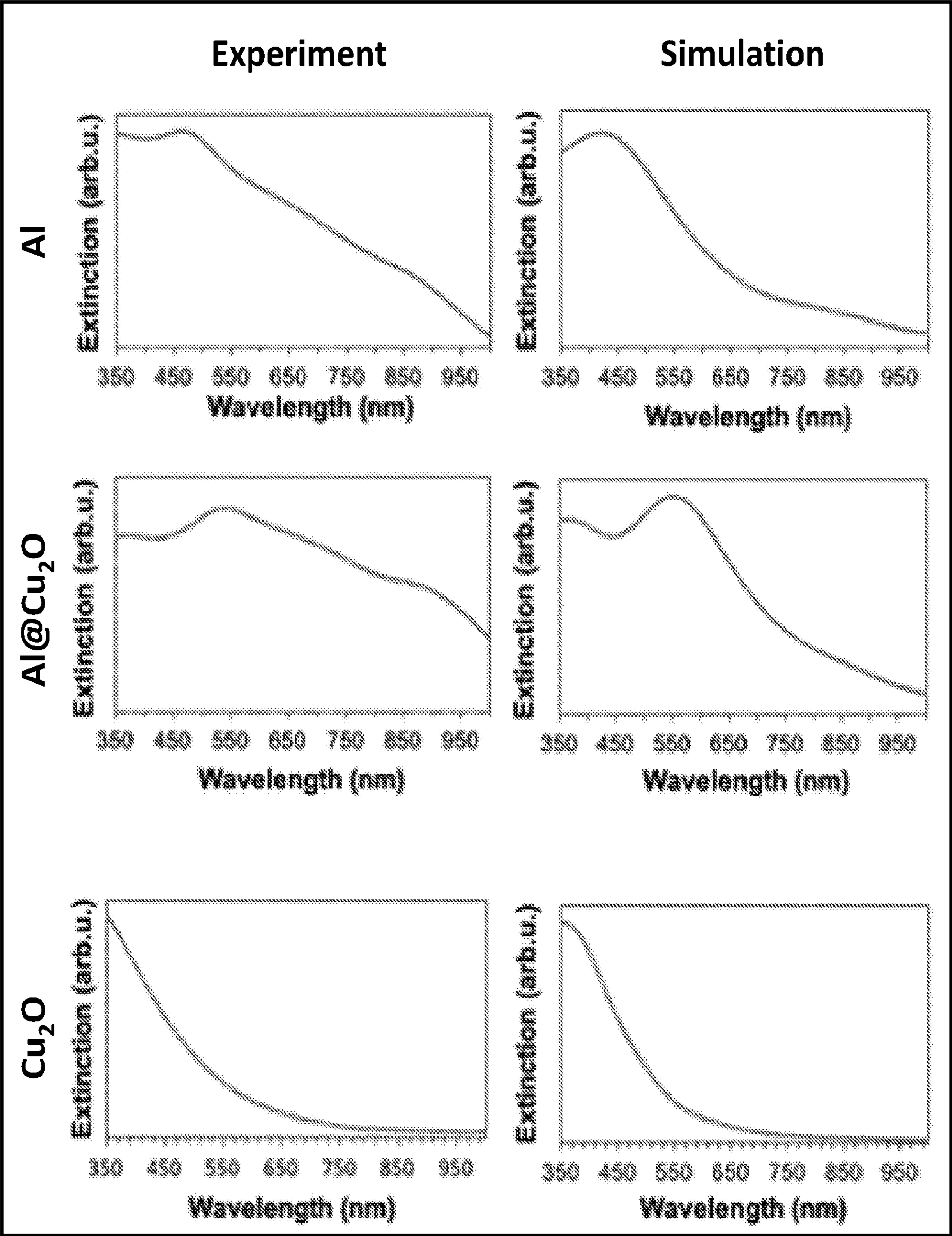


FIG. 11

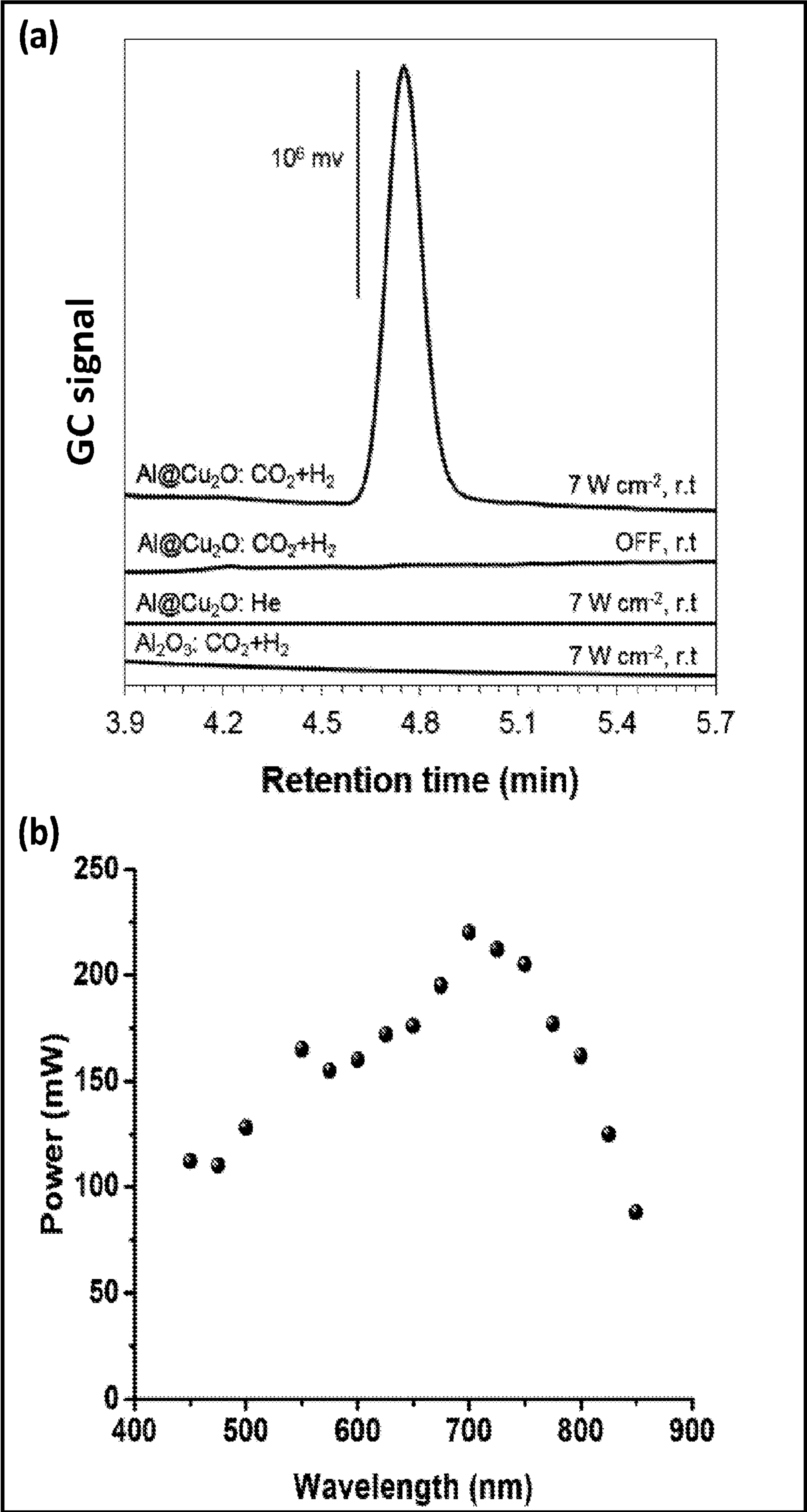


FIG. 12

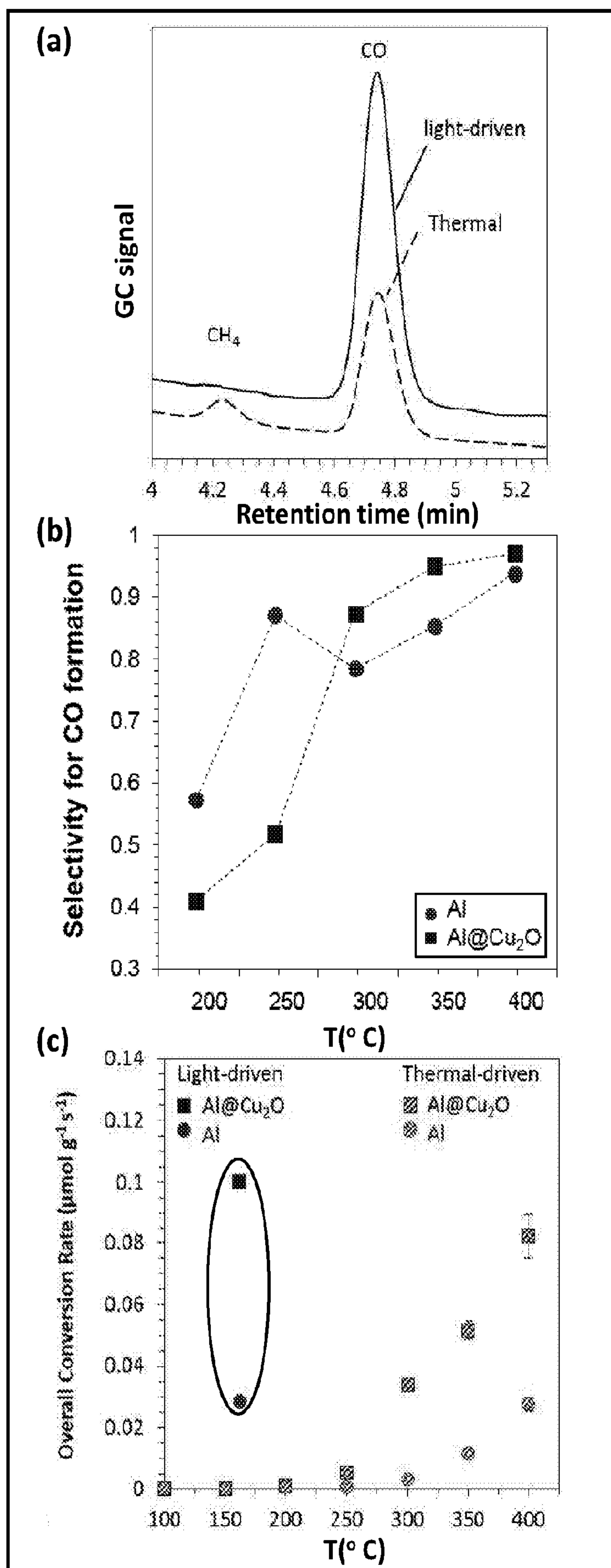


FIG. 13

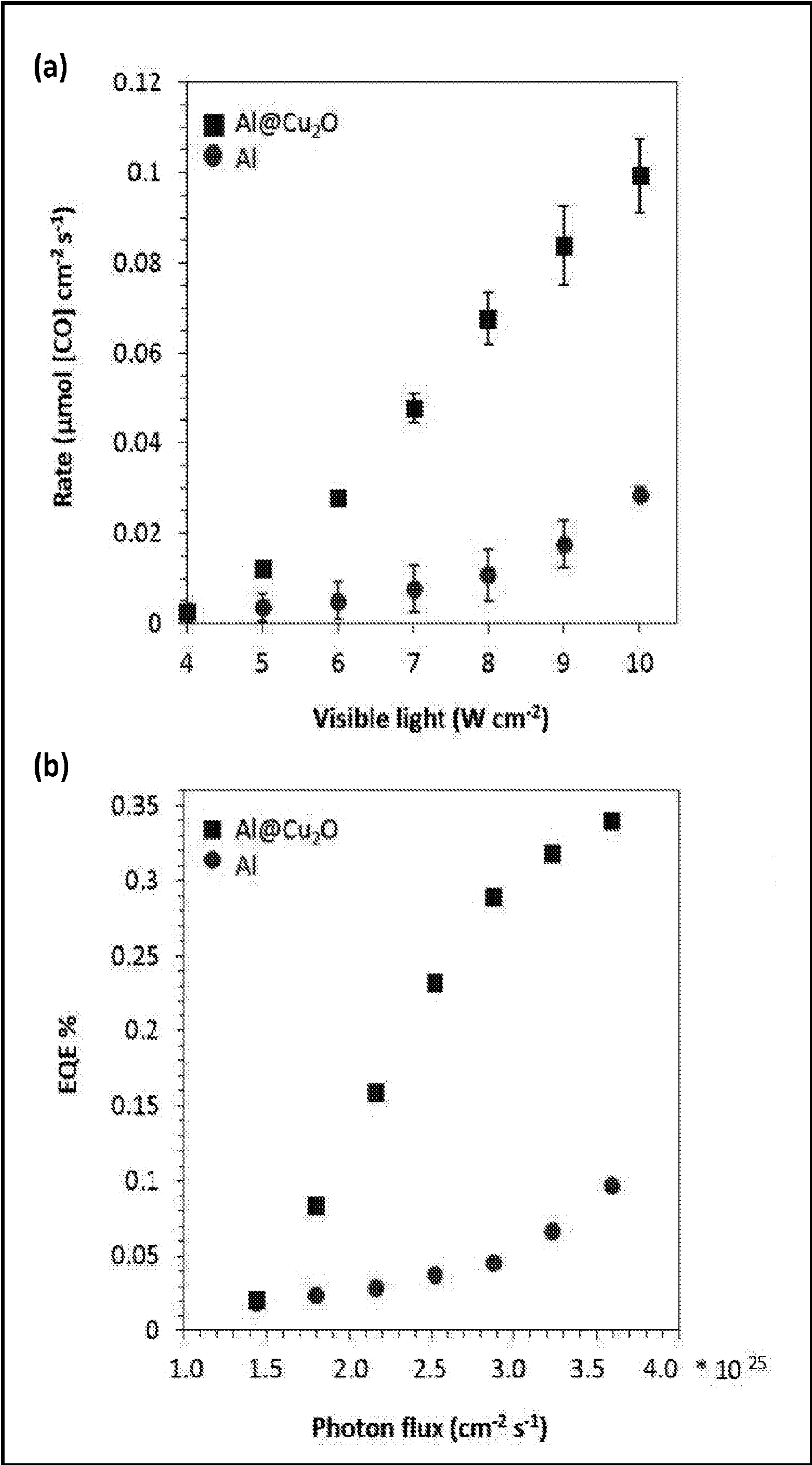


FIG. 14

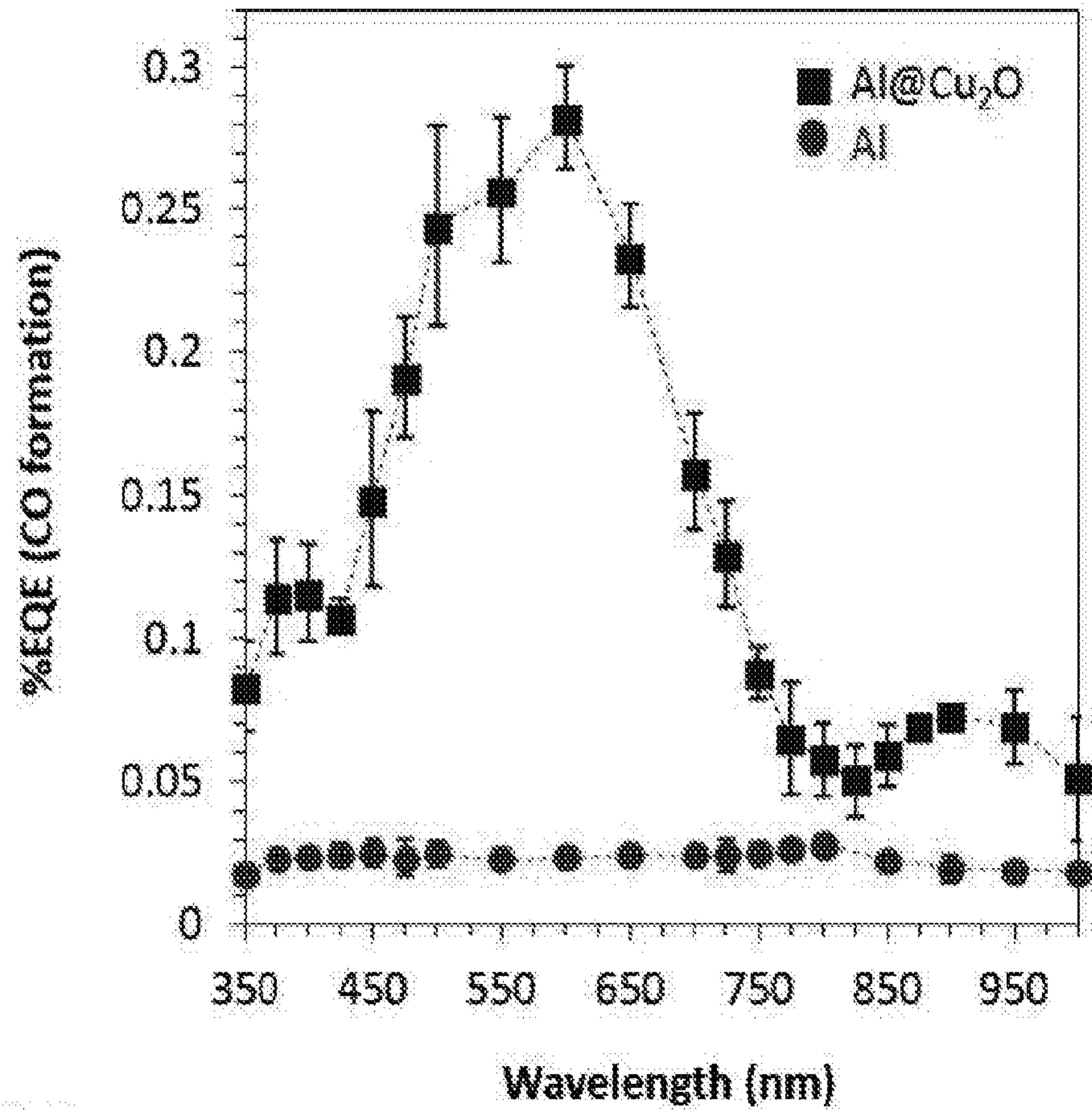


FIG. 15

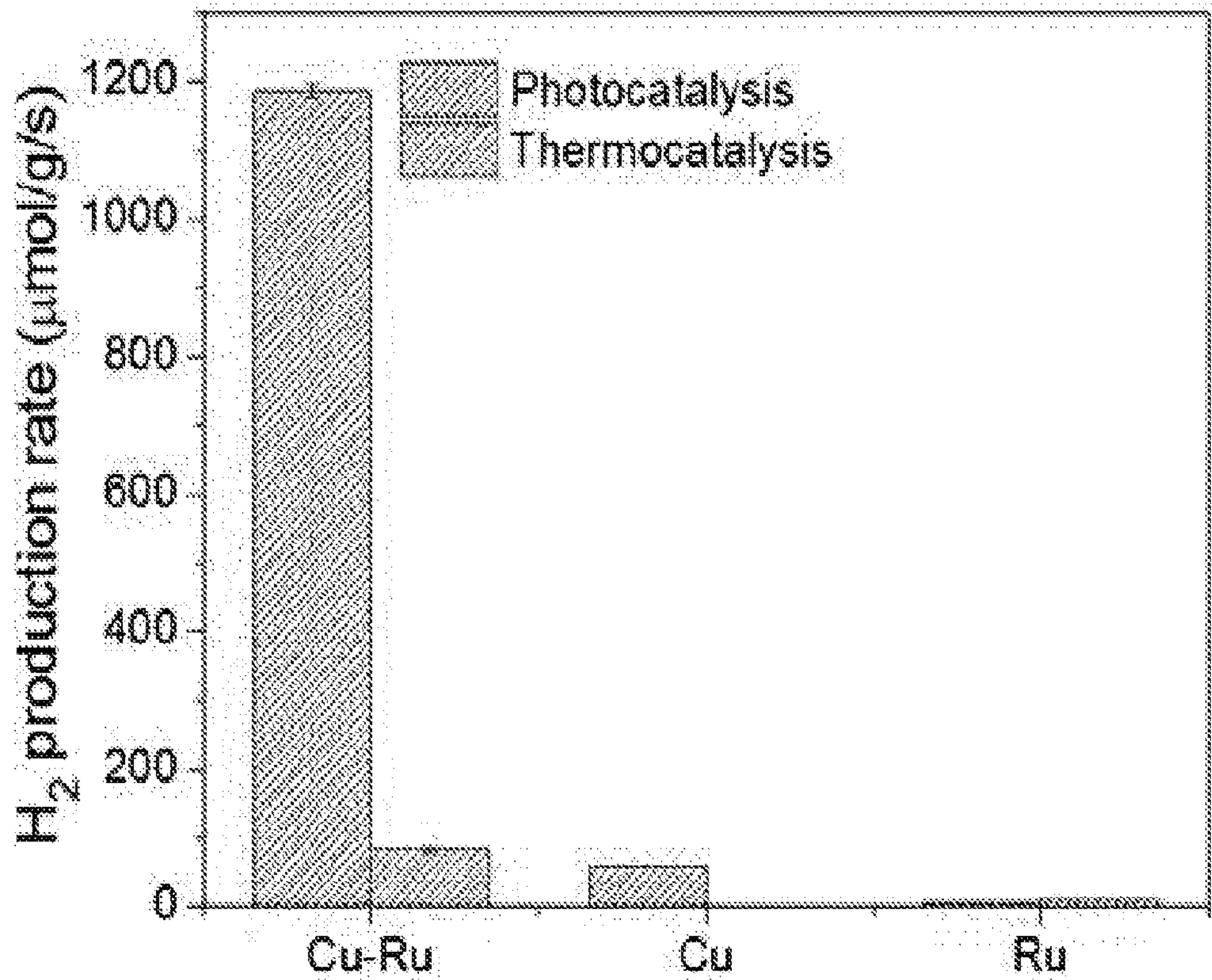


FIG. 16

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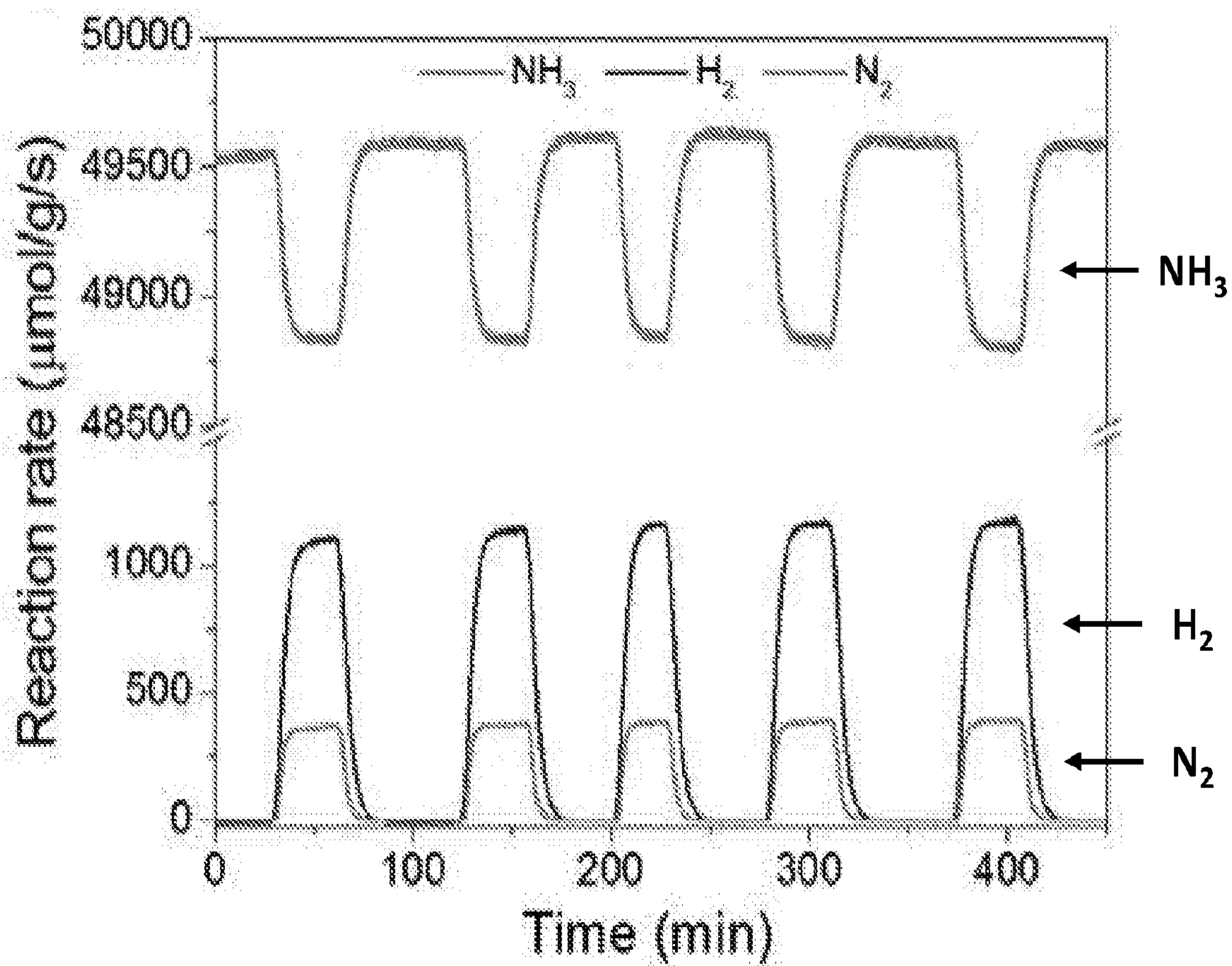


FIG. 17

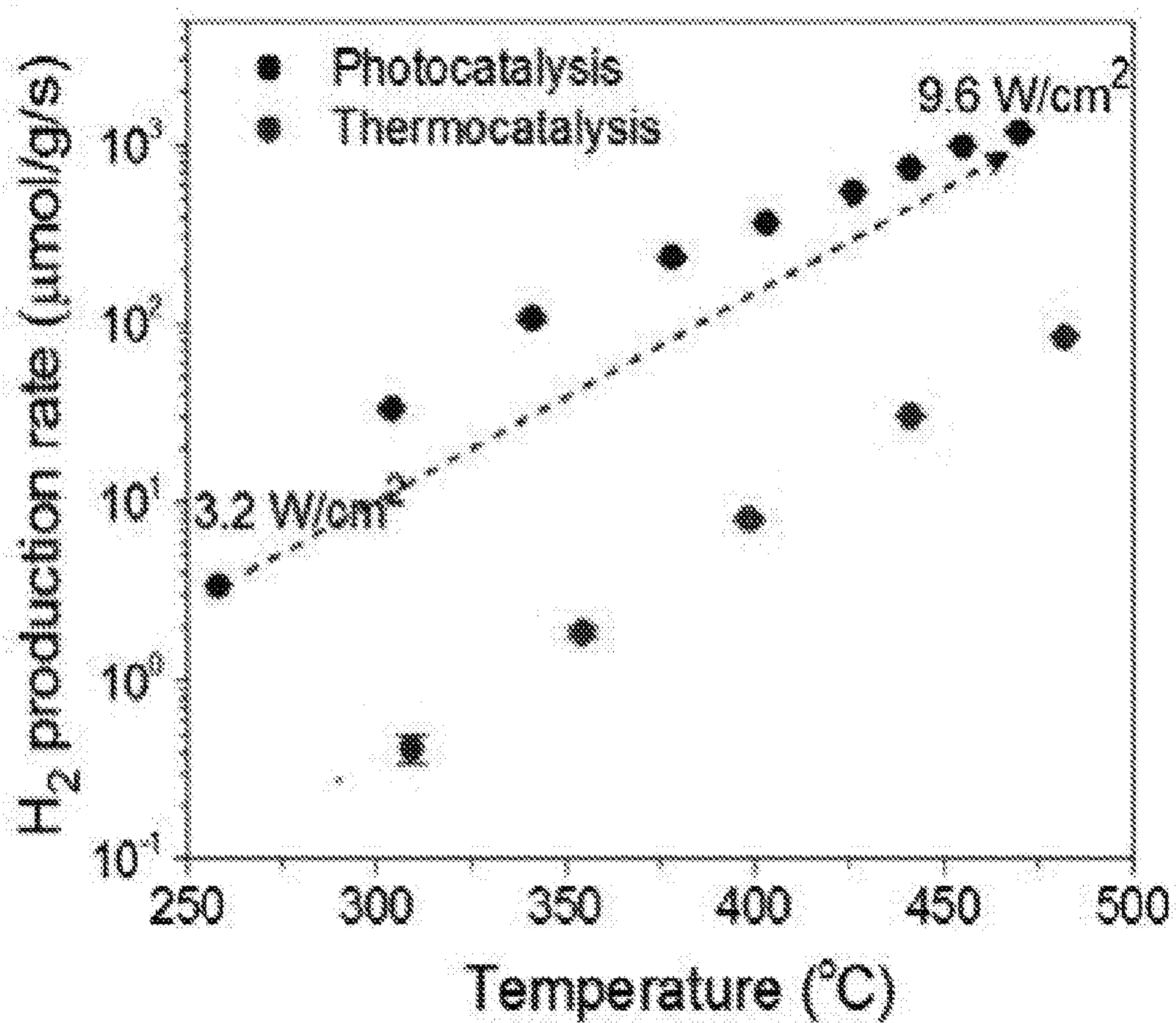


FIG. 18

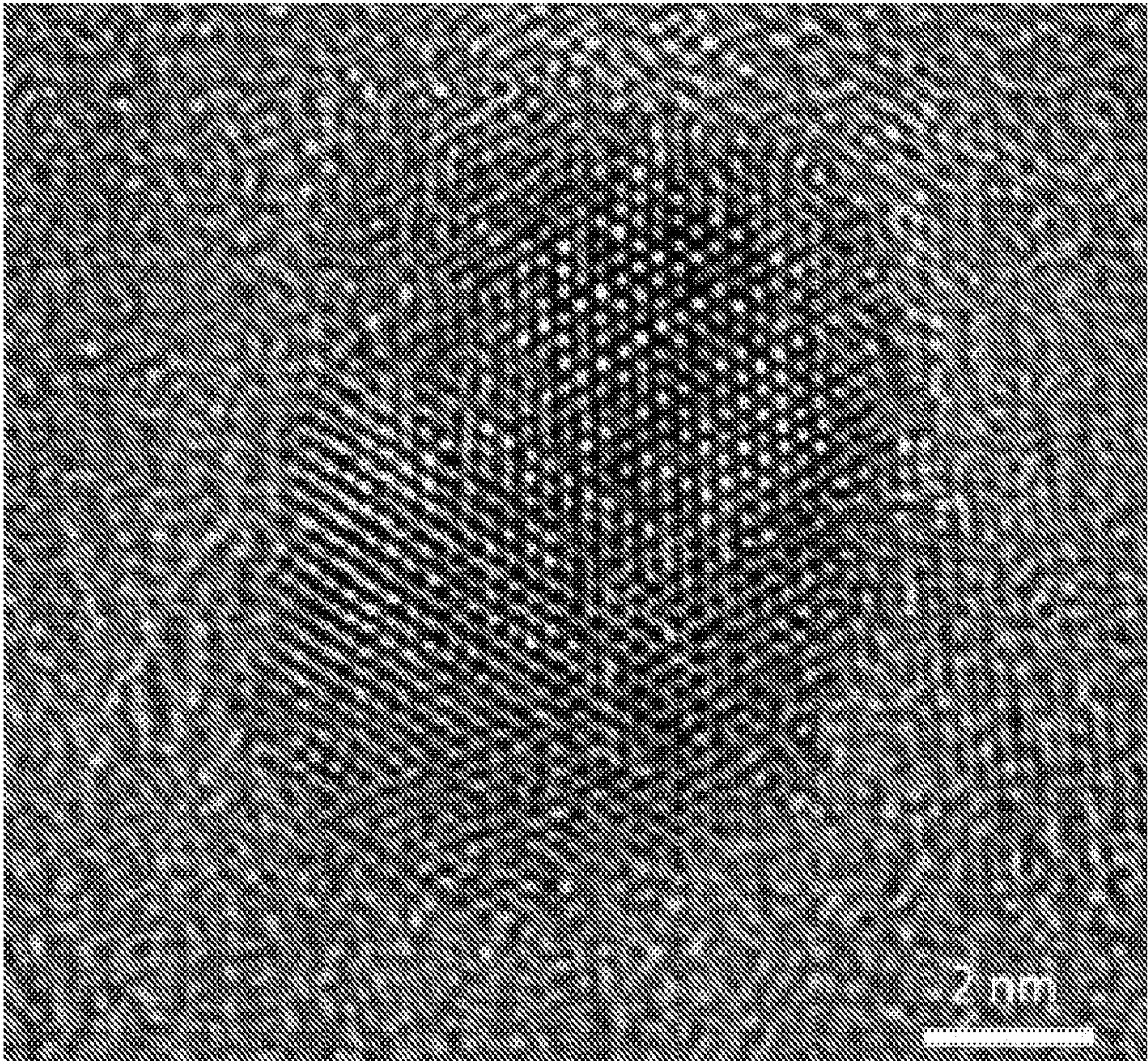


FIG. 19

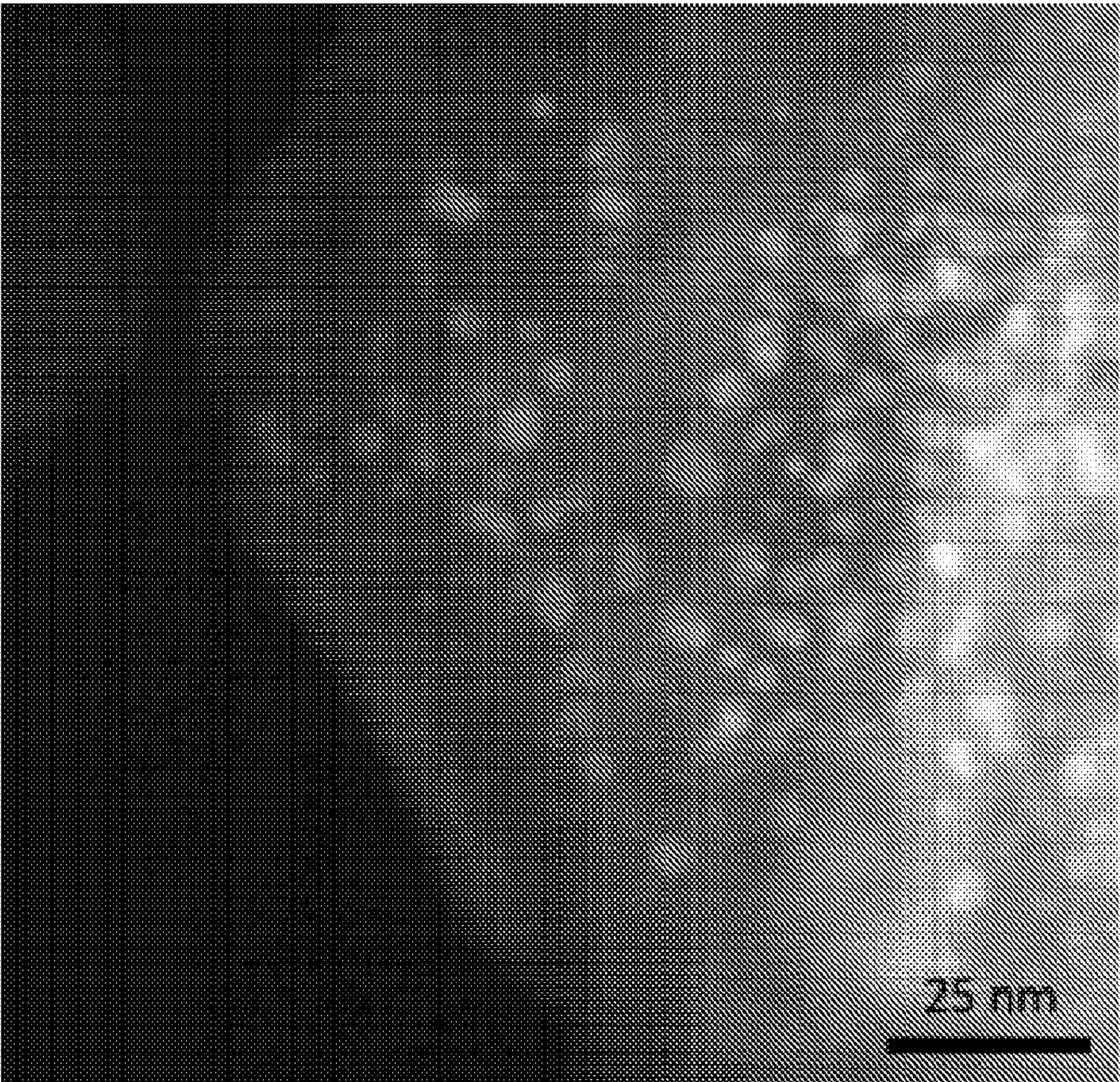


FIG. 20

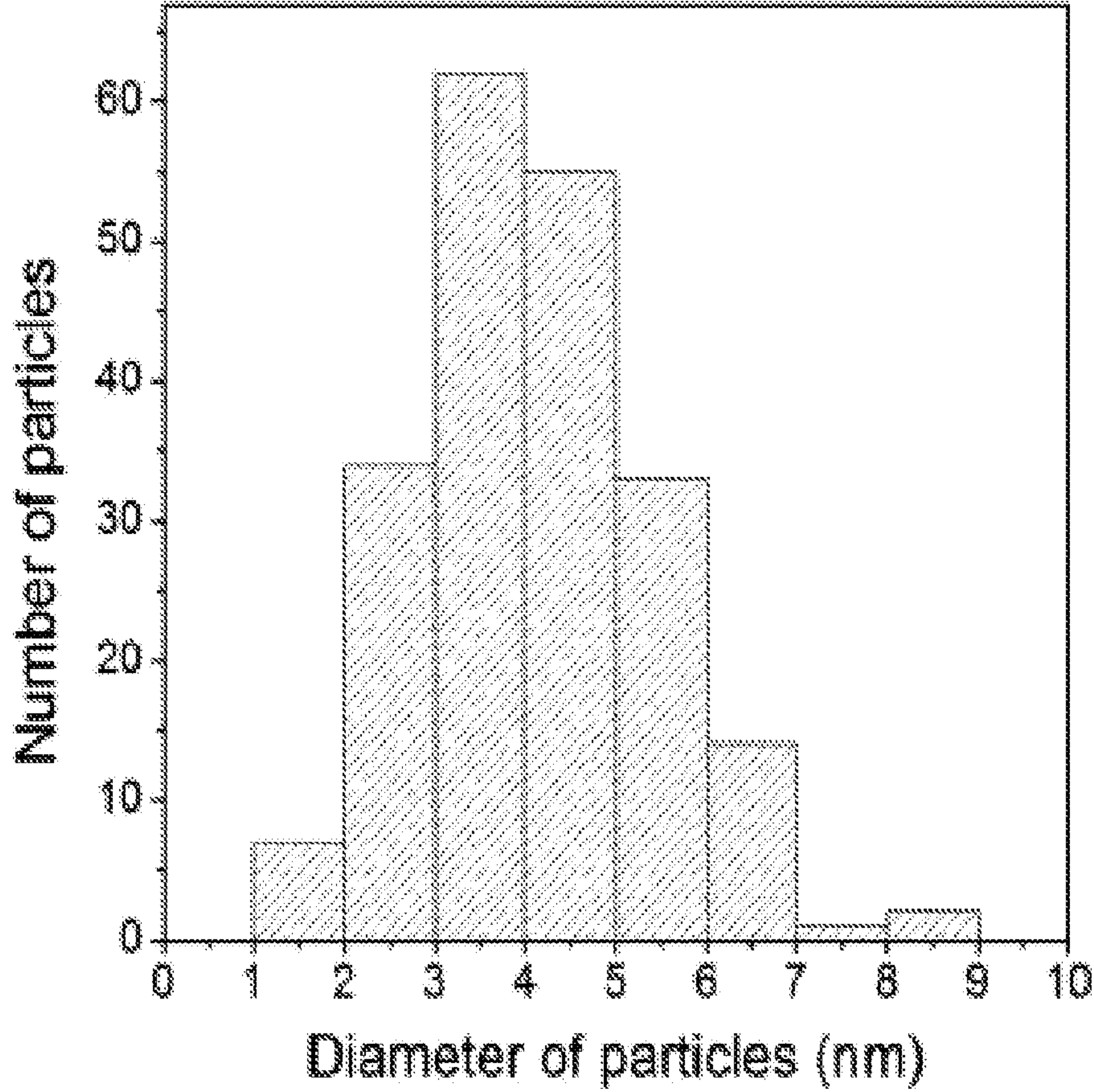


FIG. 21

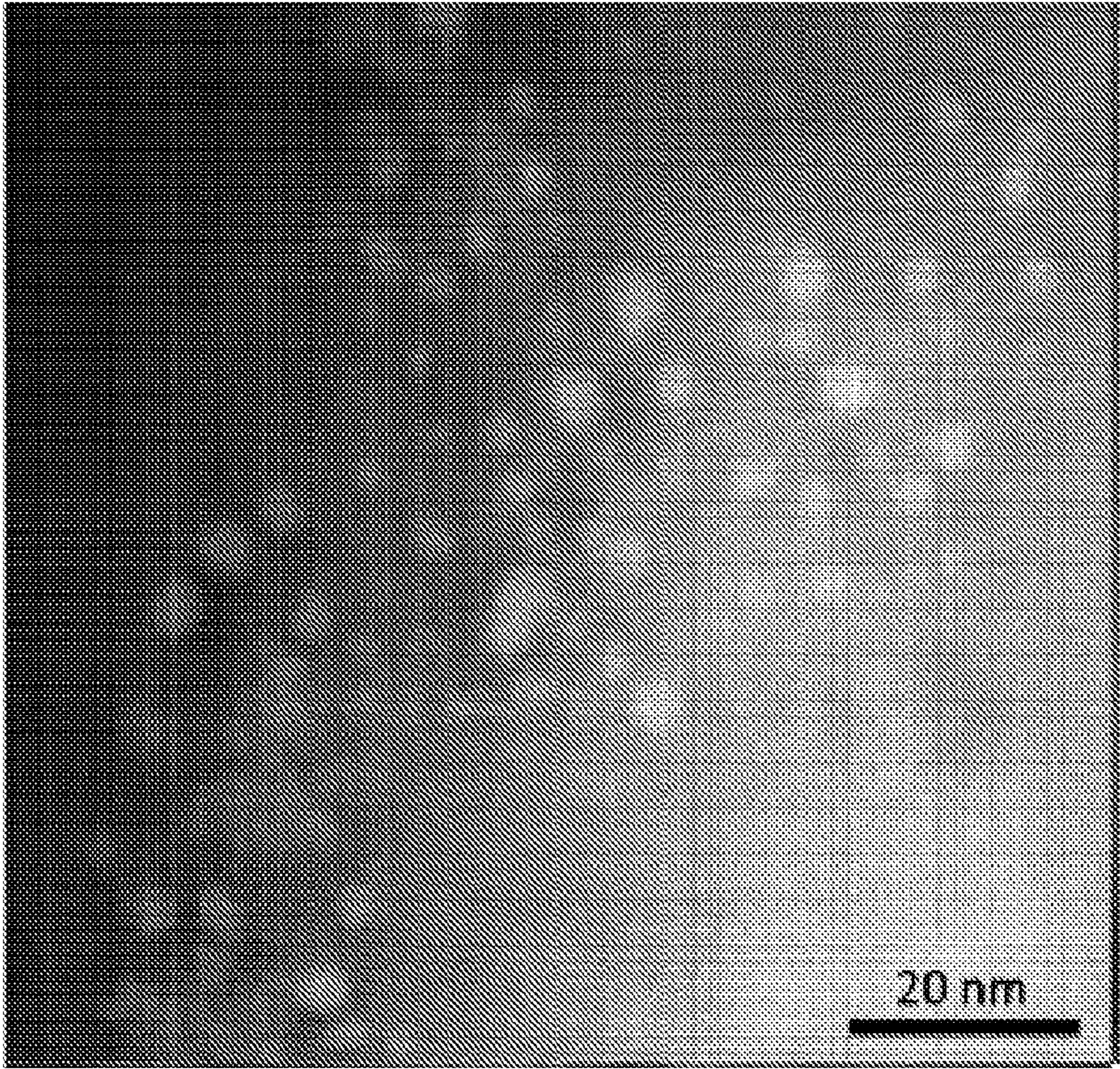


FIG. 22

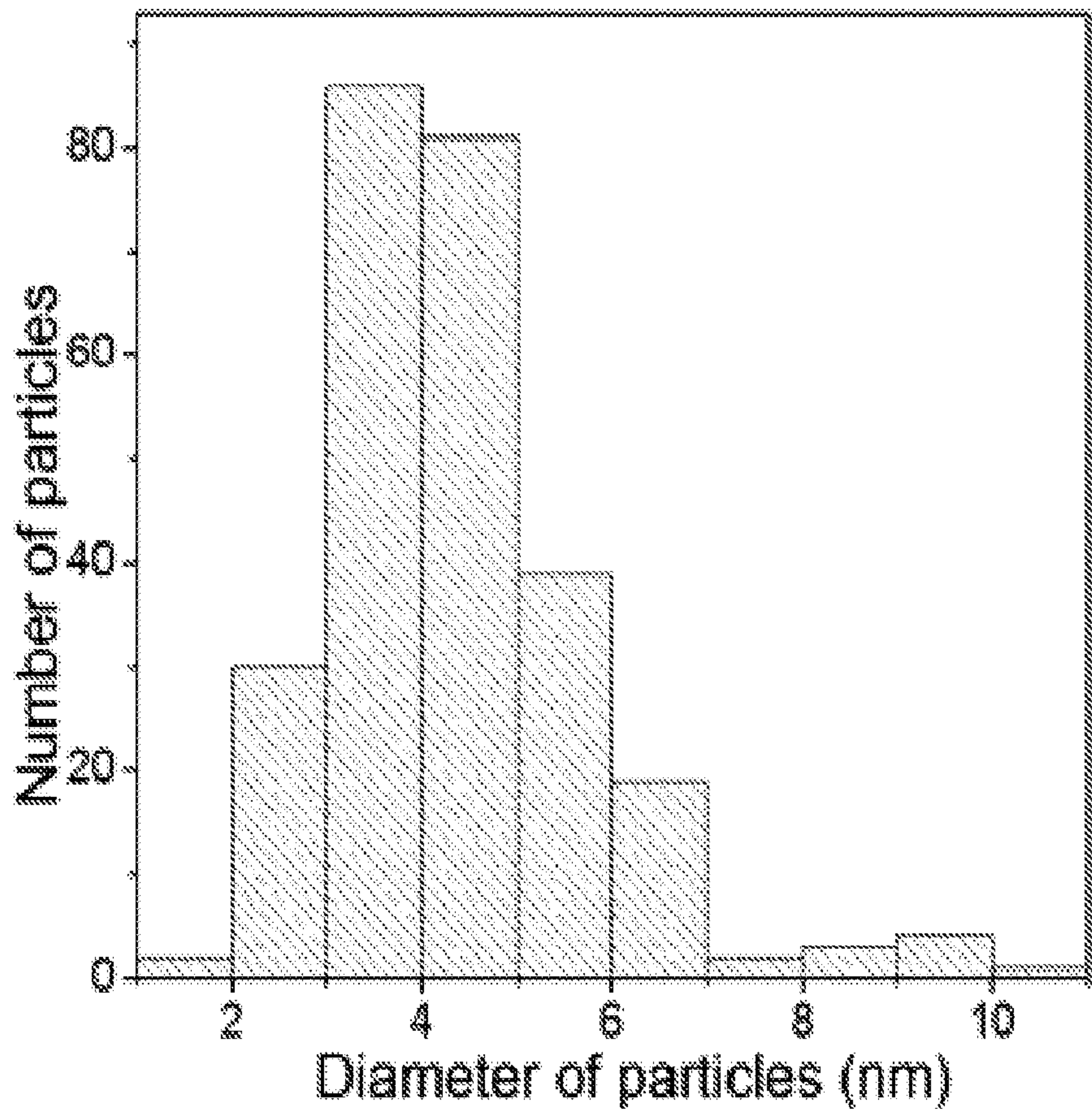


FIG. 23

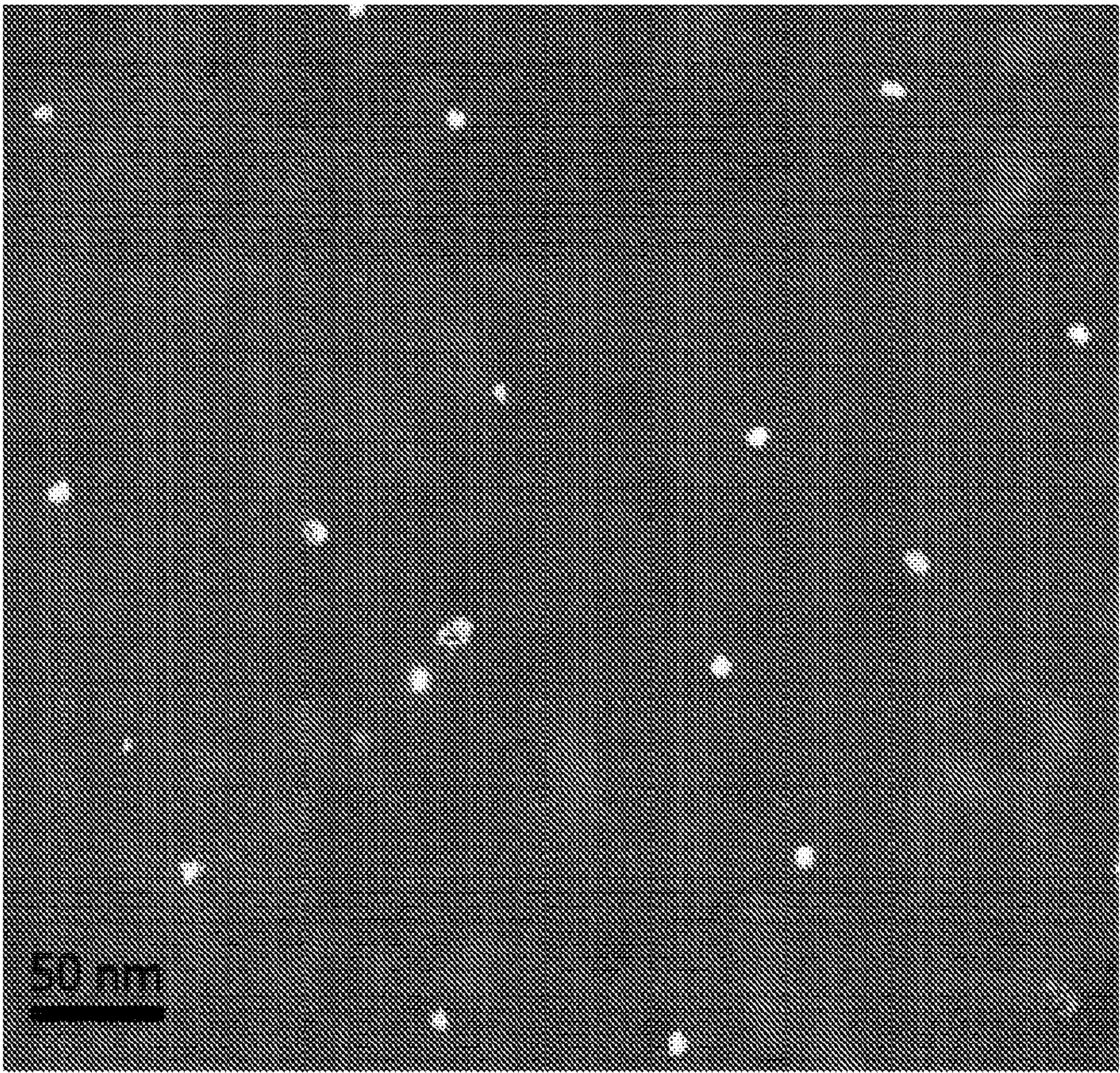


FIG. 24

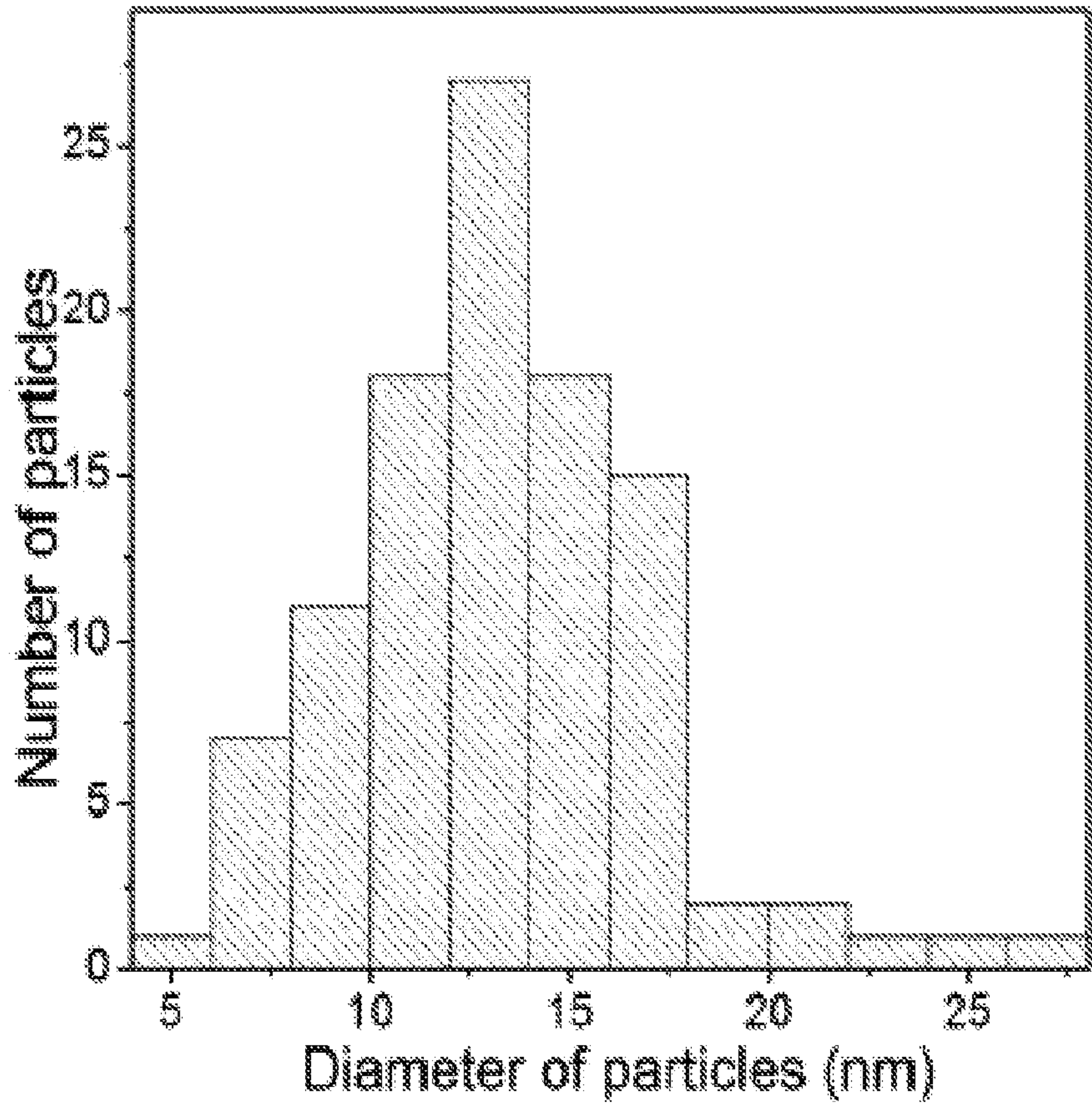


FIG. 25

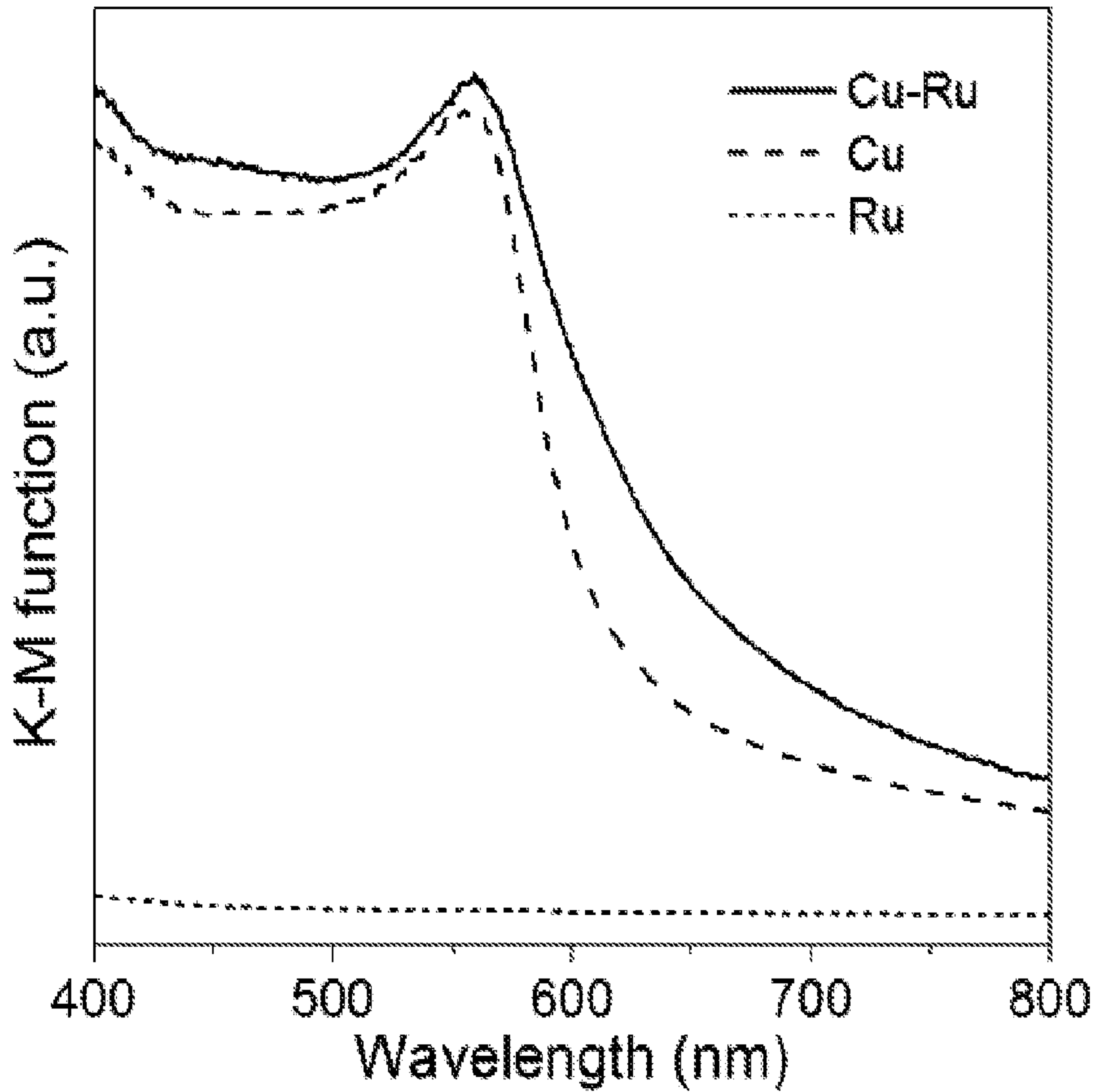


FIG. 26

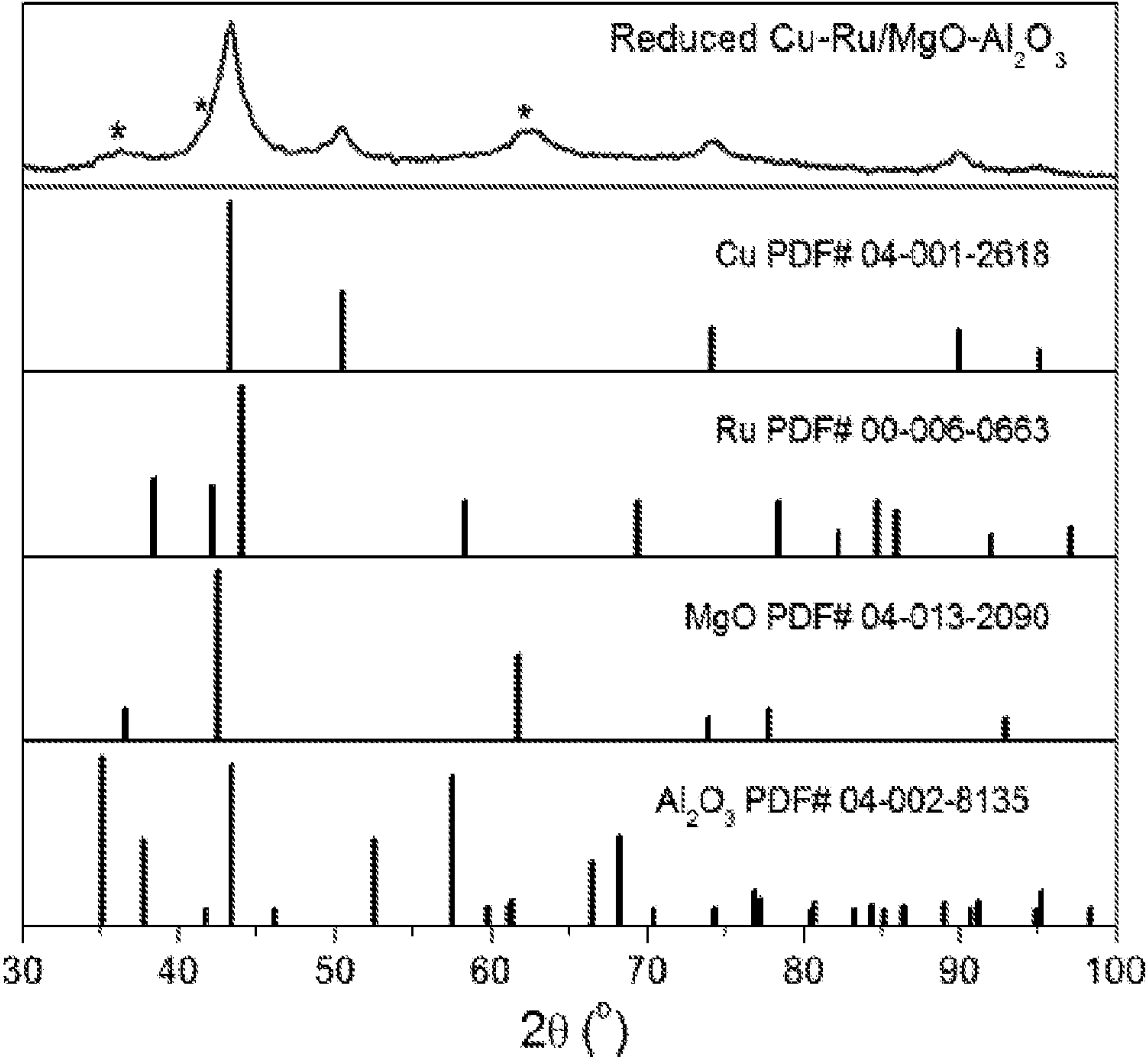


FIG. 27

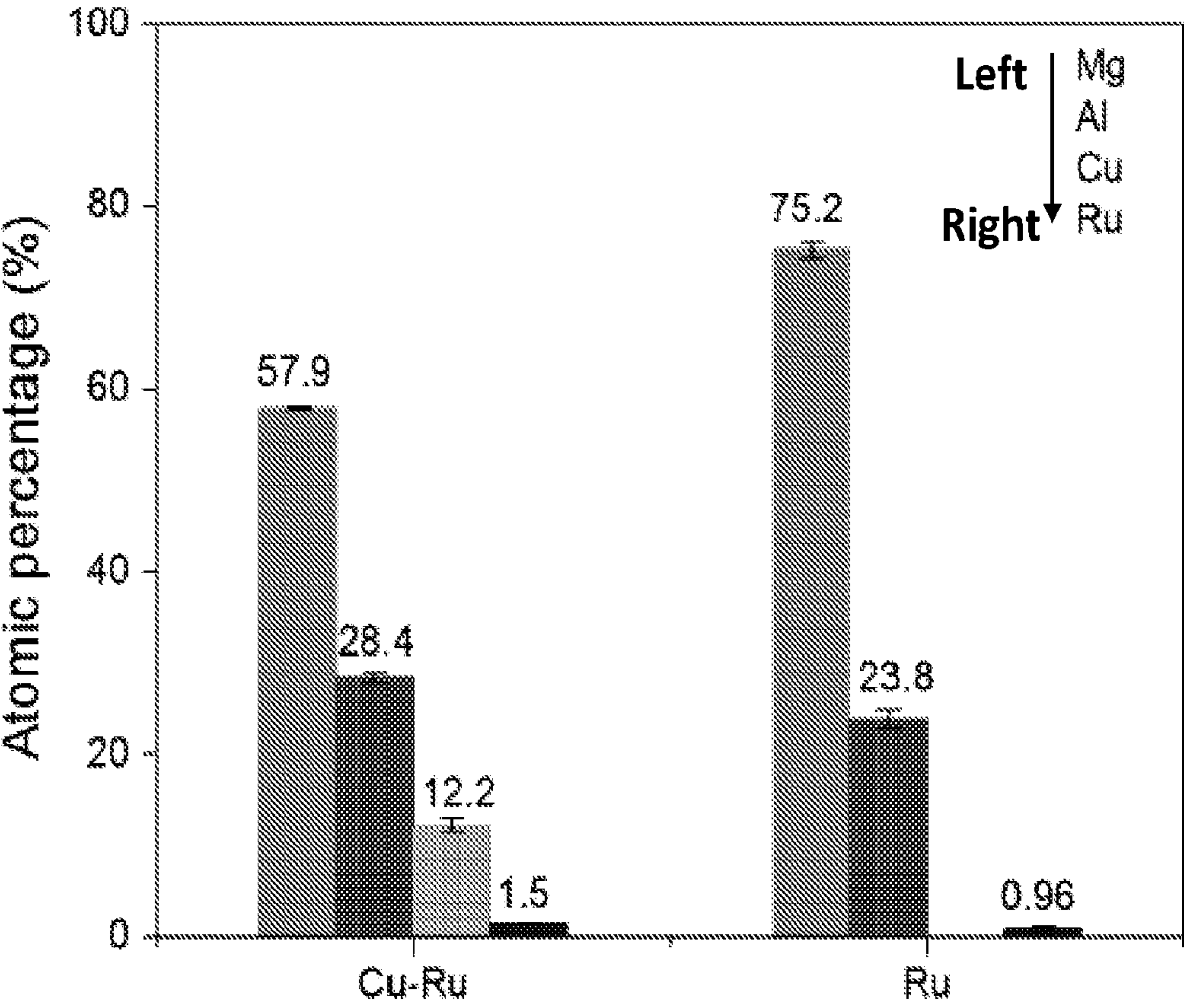


FIG. 28

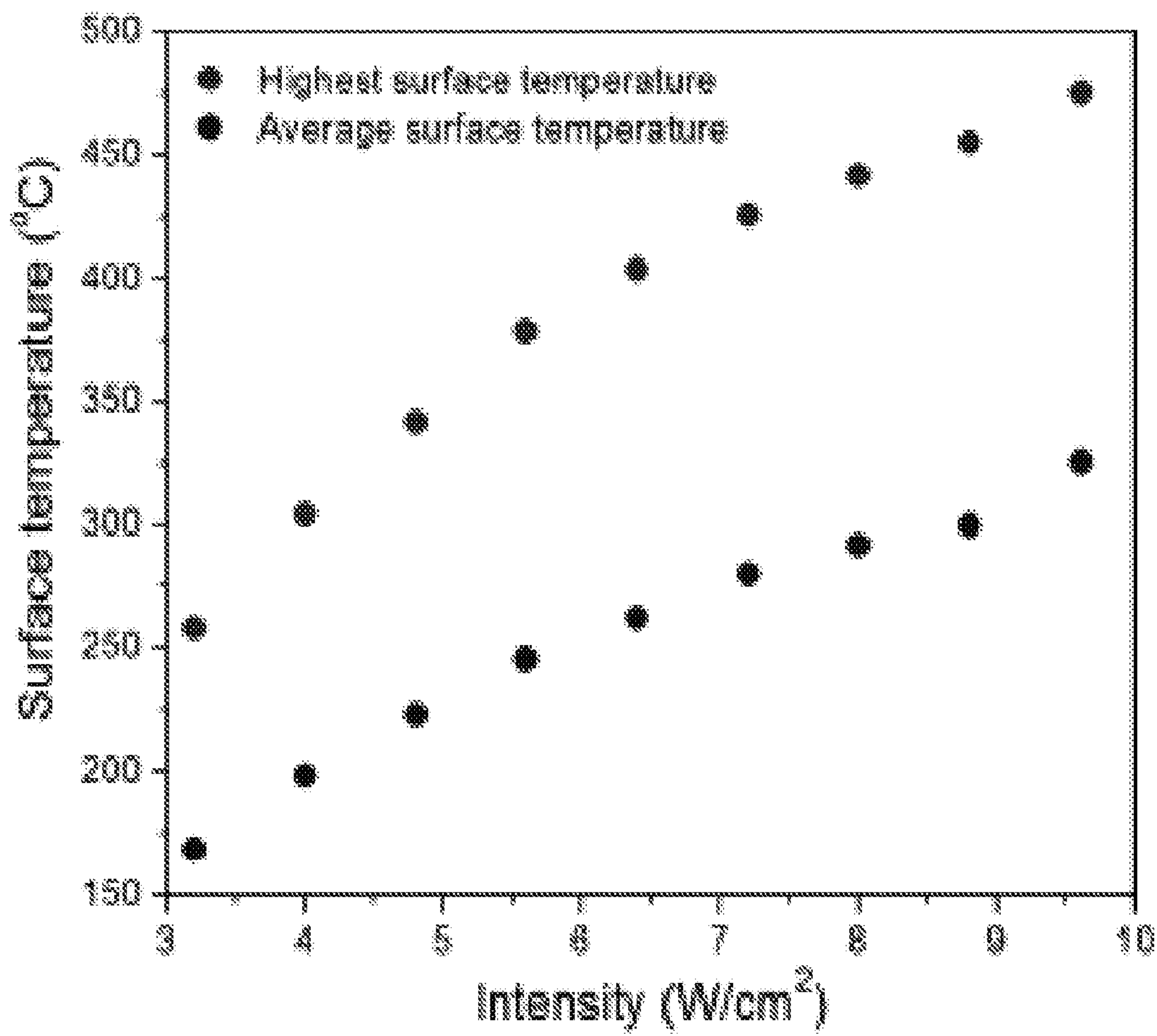


FIG. 29

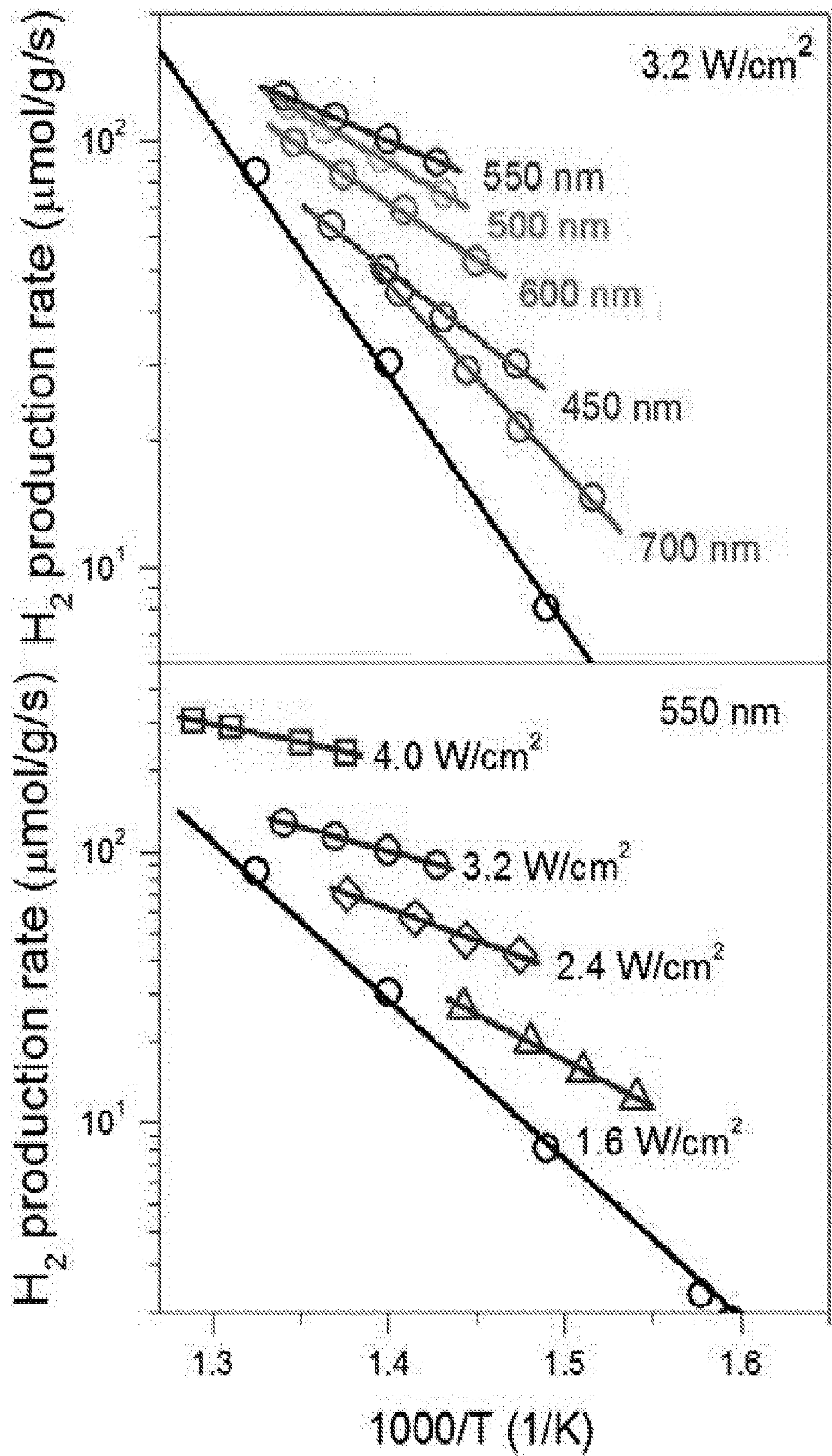


FIG. 30

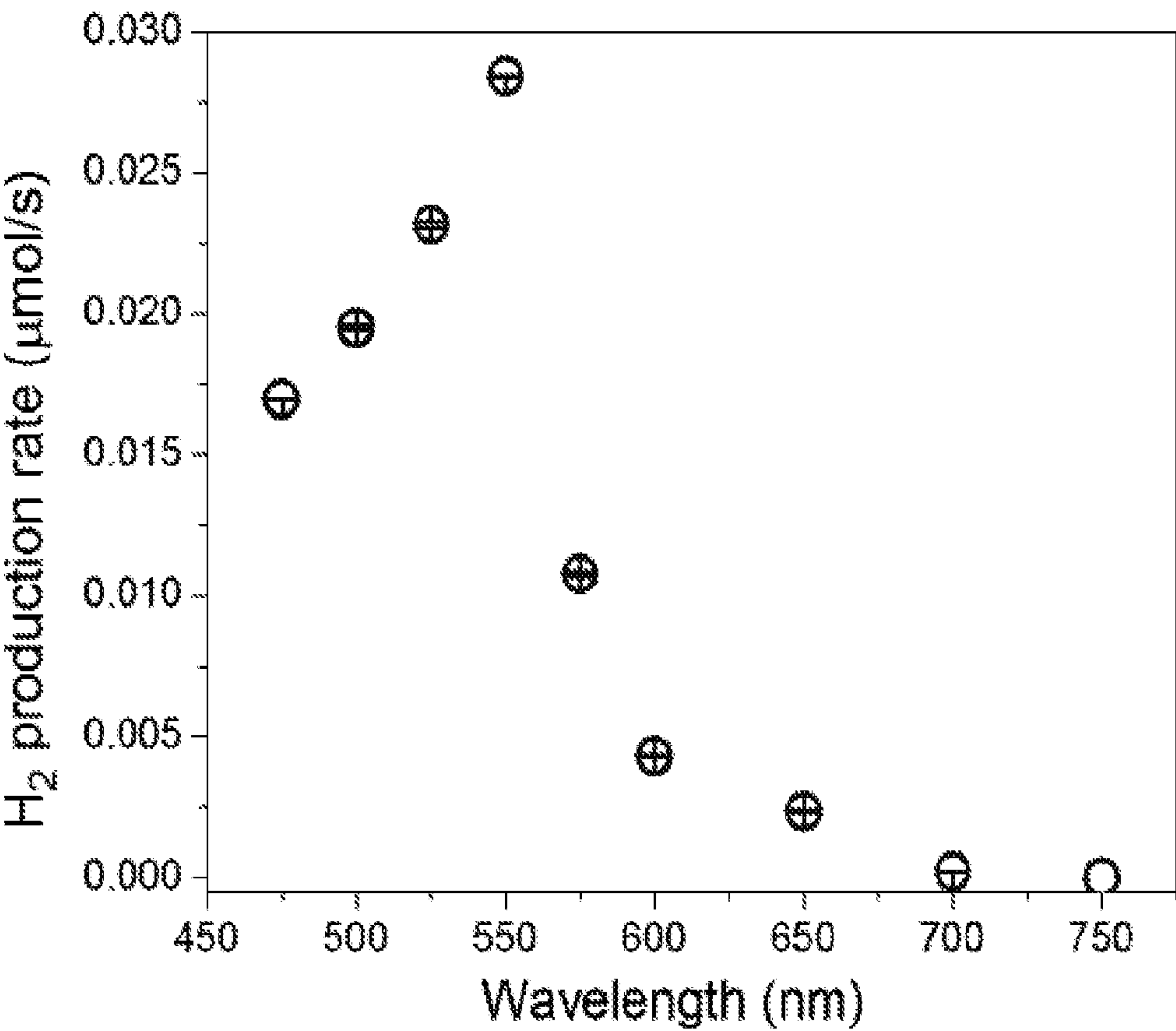


FIG. 31

Wavelength (nm)	Intensity (W/cm ²)				
	0.8	1.6	2.4	3.2	4
450	0.99	0.83	0.73	0.62	0.48
475	0.94	0.82	0.62	0.52	0.42
500	0.88	0.81	0.57	0.47	0.39
525	0.84	0.75	0.54	0.43	0.35
550	0.78	0.68	0.47	0.35	0.27
575	0.88	0.81	0.68	0.52	0.46
600	1.10	0.97	0.83	0.53	0.48
650	1.13	1.00	0.84	0.78	0.66
700	1.15	1.02	0.92	0.87	0.79

FIG. 32

Sample	Metal element concentration (mmol/g precursor)	
	Cu	Ru
Cu-Ru	1.79	0.0565
Cu	1.94	N/A
Ru	N/A	0.0538

FIG. 33

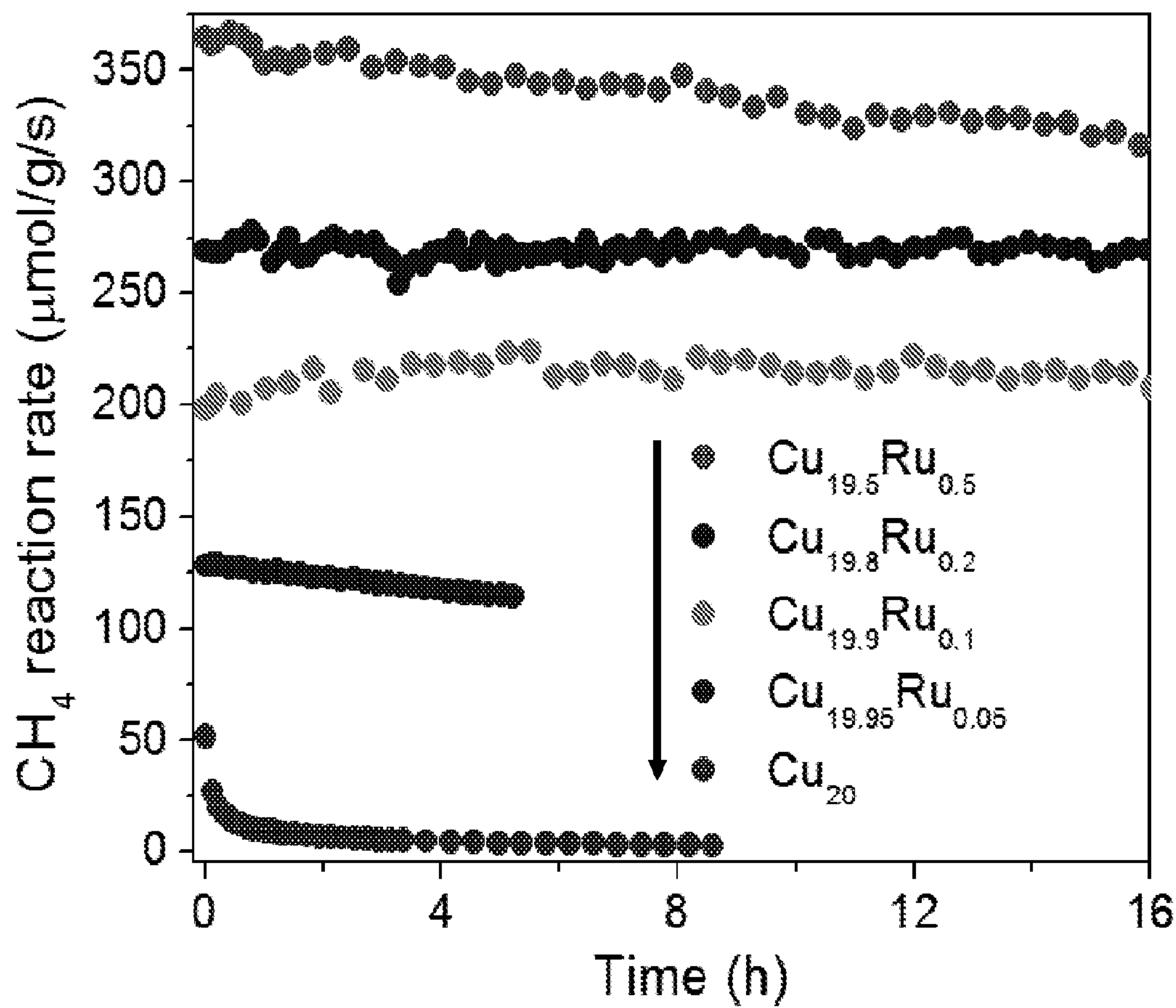


FIG. 34

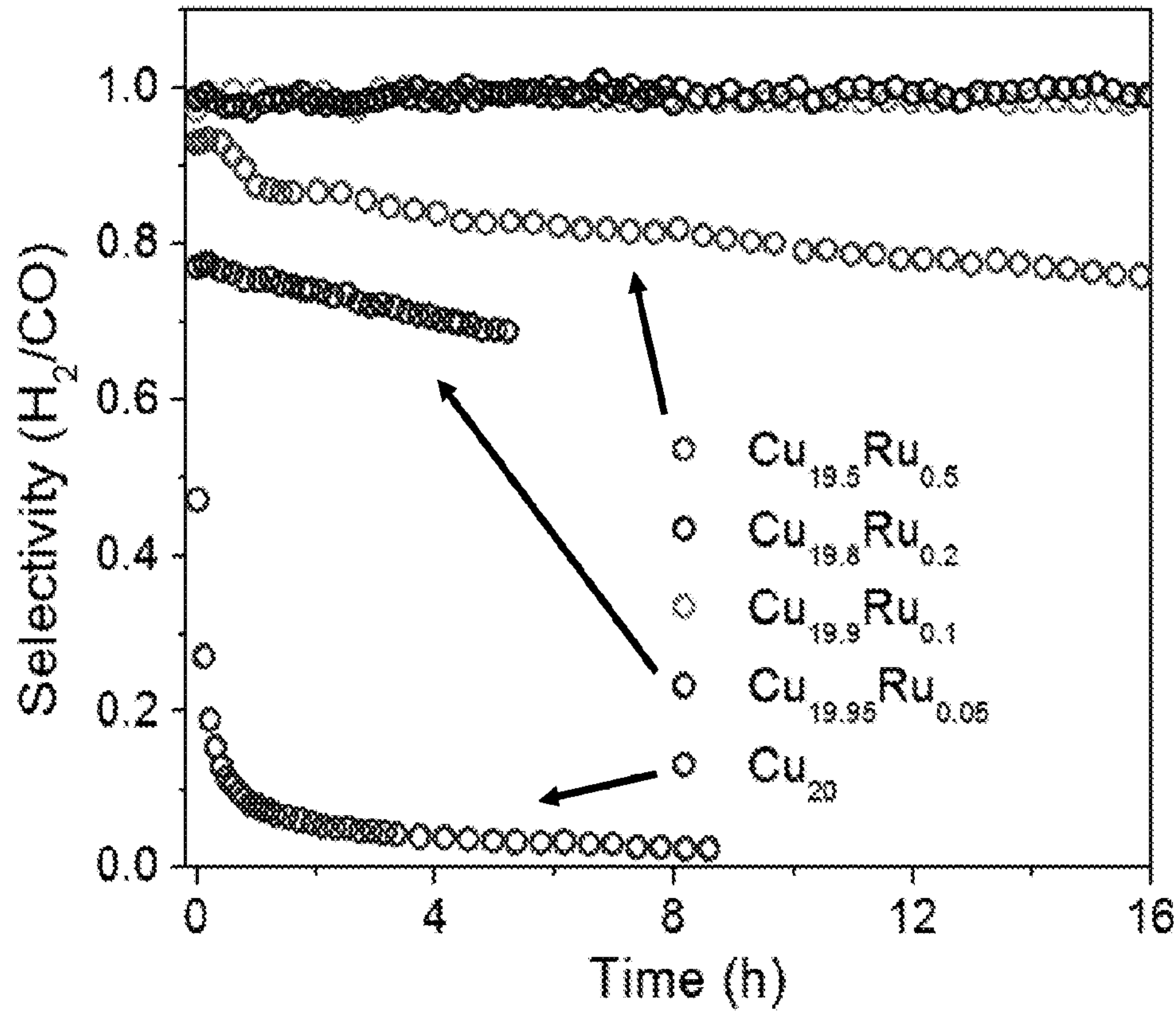


FIG. 35

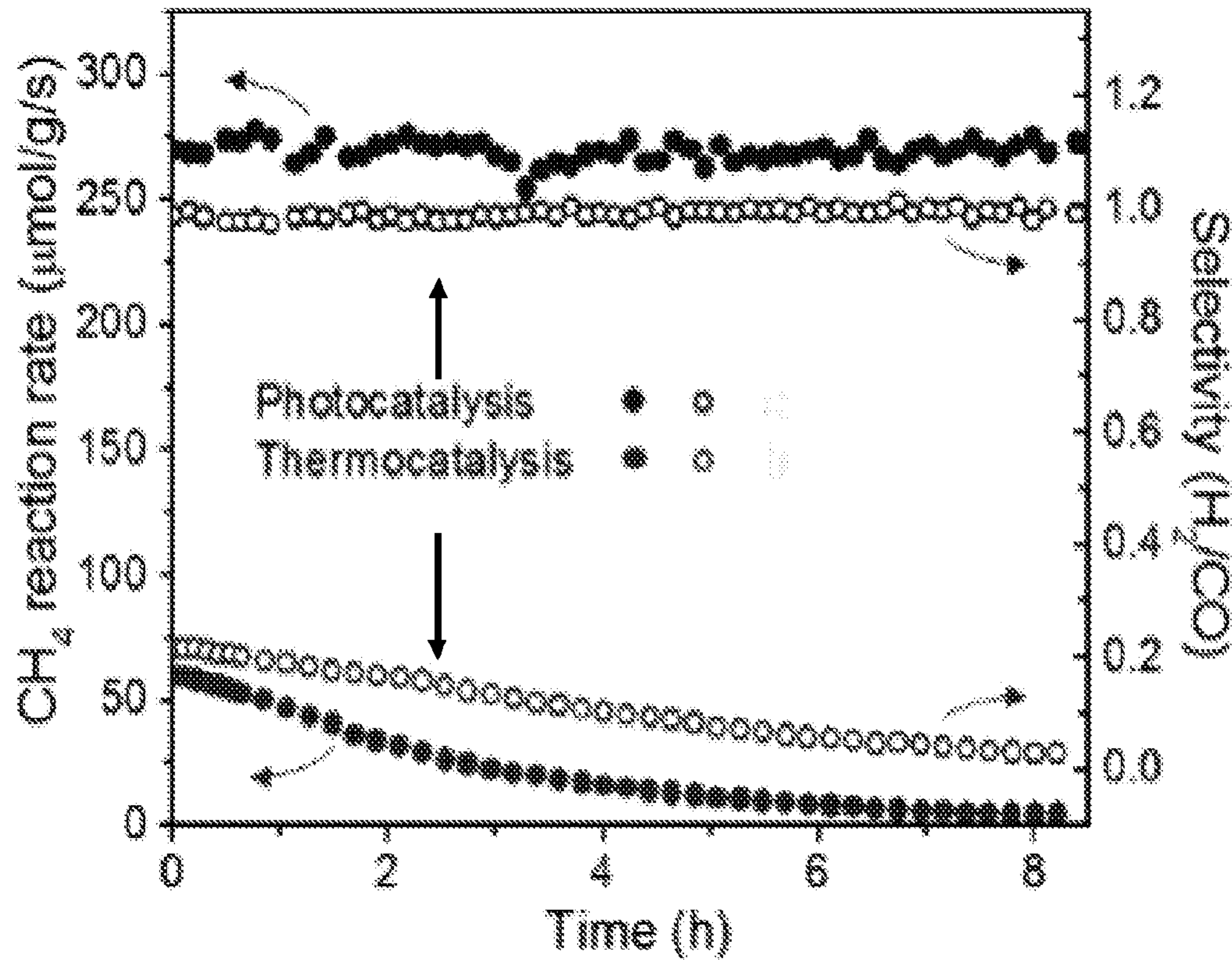


FIG. 36

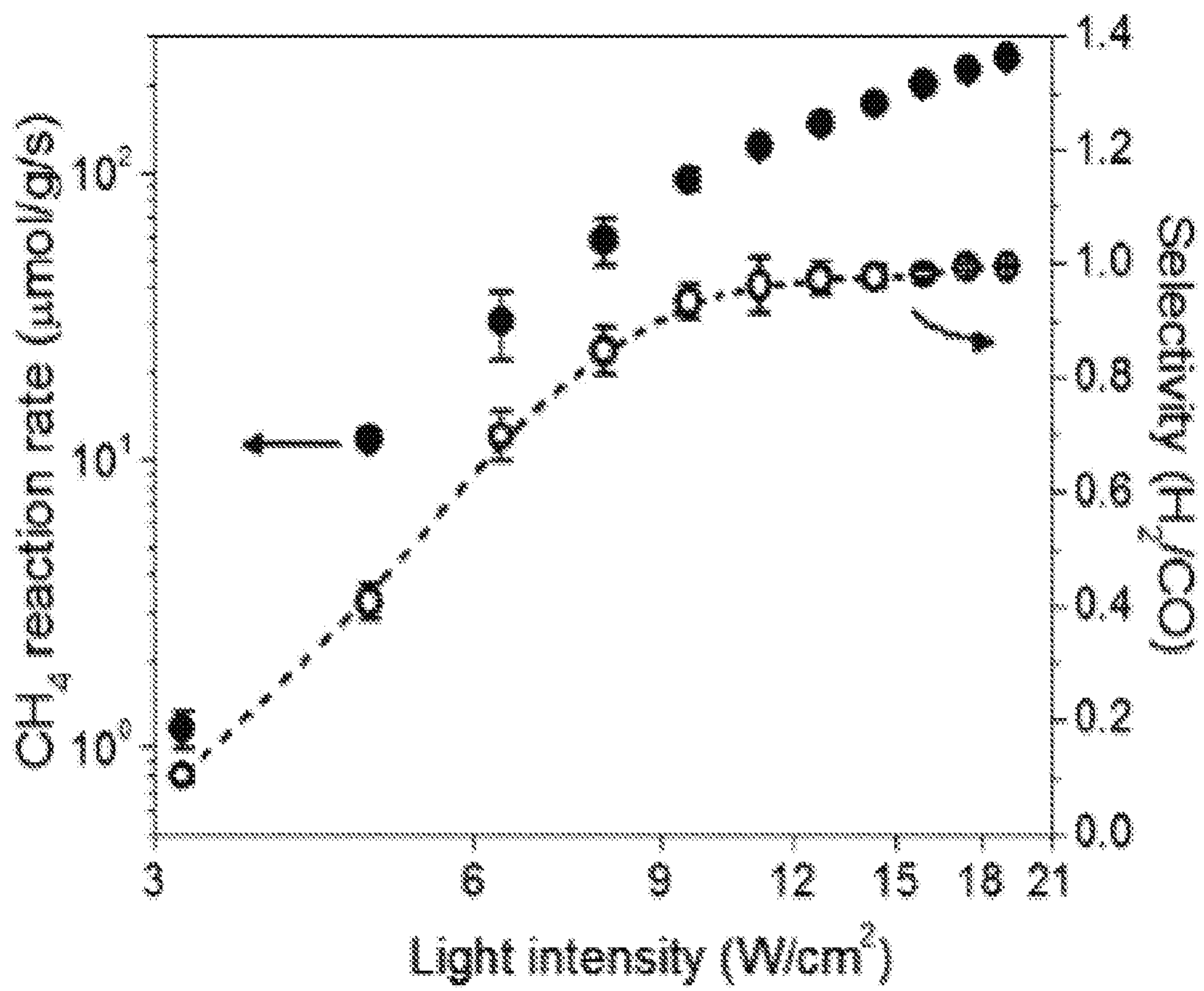


FIG. 37

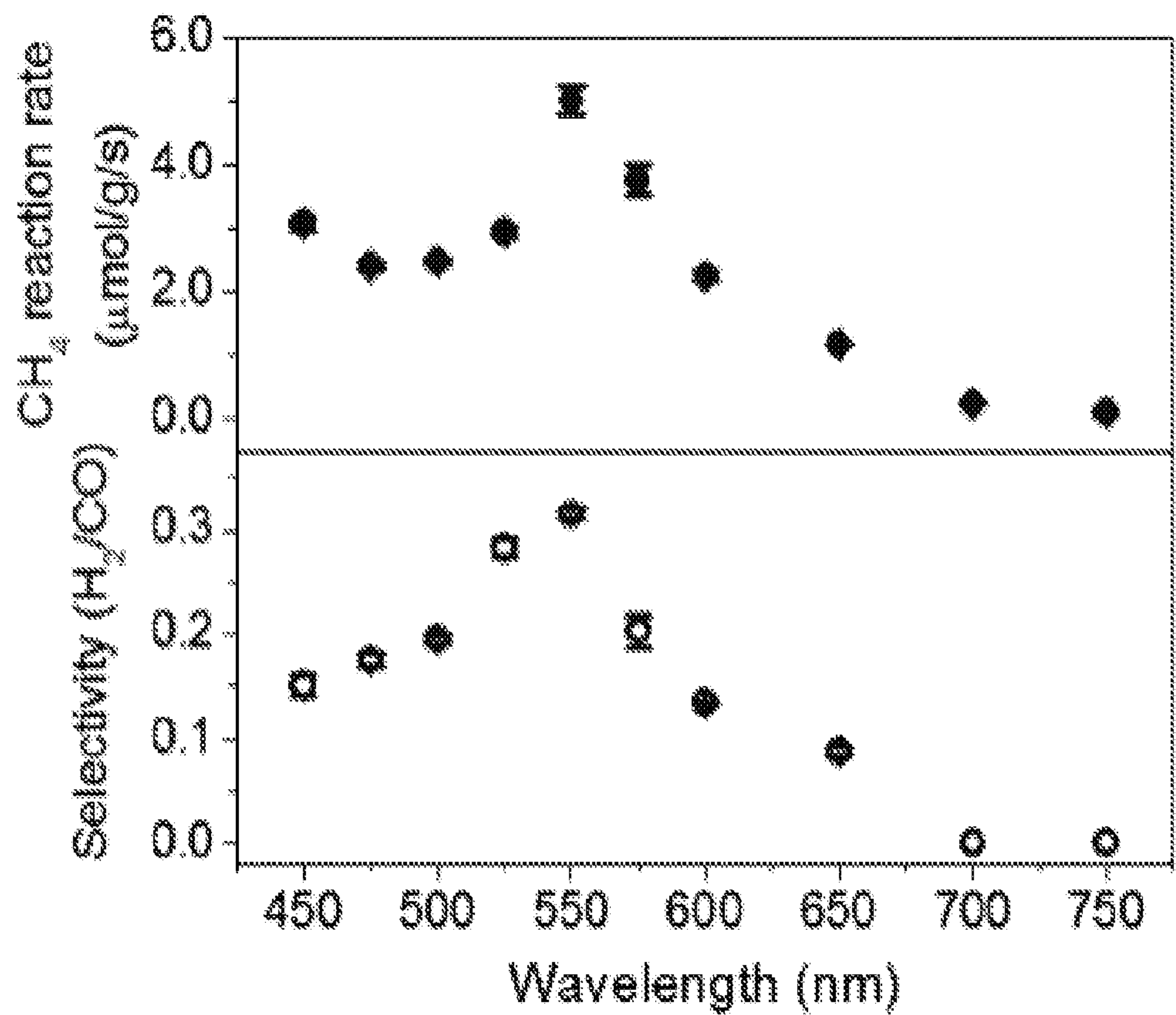


FIG. 38