

## Supporting Information

### Experimental evaluation of turbidity impact on the fluence rate distribution in a UV reactor using a micro-fluorescent silica detector

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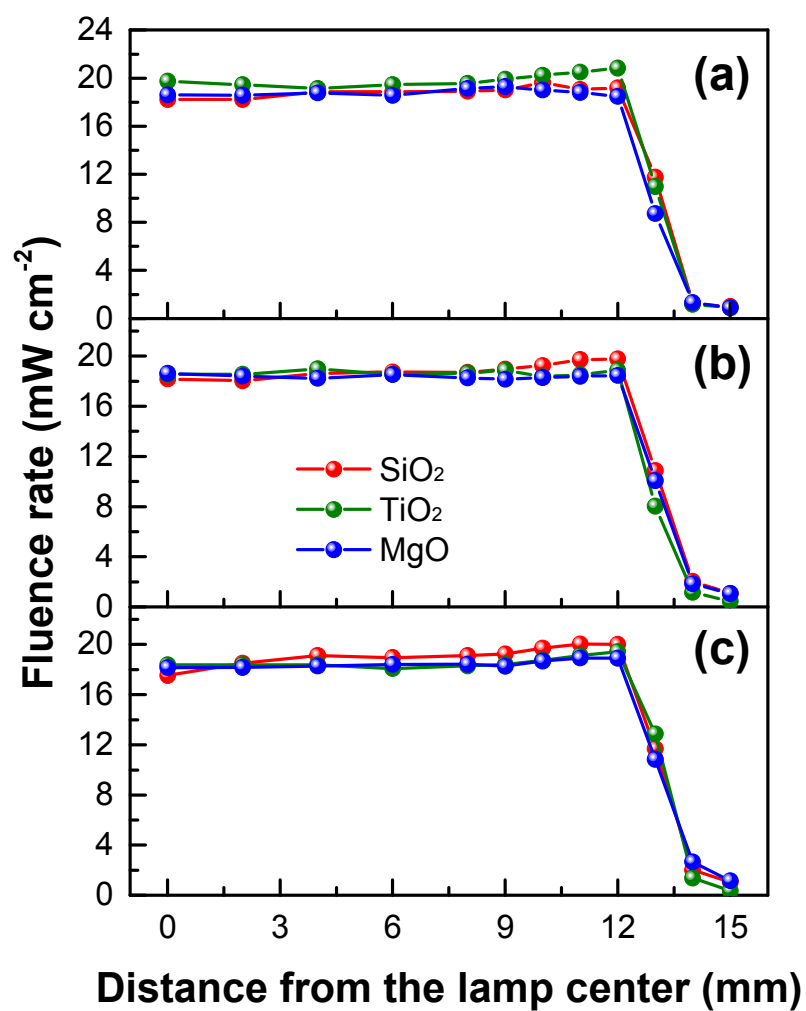
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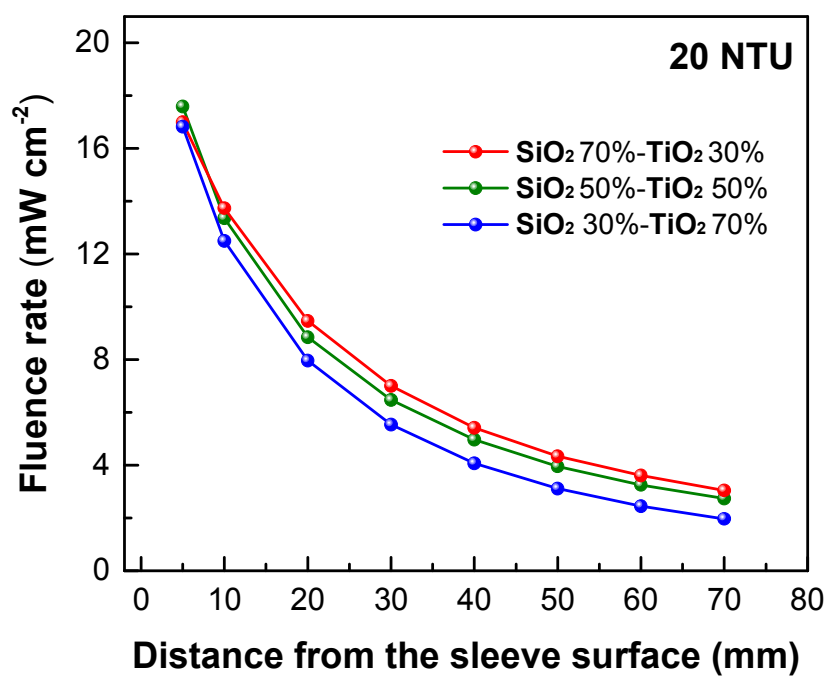
Stadium Mall Drive, West Lafayette, IN 47907 USA.

**Table S1.** FR values at a distance of 70 cm from the sleeve surface in the central cross-section of the reactor.

Suspension	FR (mW cm <sup>-2</sup> )			
	0	2 NTU	10 NTU	20 NTU
DI water	3.79			
SiO <sub>2</sub>		3.86	4.23	4.89
MgO		3.86	4.11	4.25
TiO <sub>2</sub>		4.01	2.66	1.95



**Figure S1.** Axial FR distributions in the near-lamp region (5 mm from the sleeve surface) for various particle suspensions with turbidities of (a) 2.0 NTU, (b) 10.0 NTU, and (c) 20.0 NTU.



**Figure S2.** Radial FR distributions with mixed particle suspensions with turbidity of 20.0 NTU.