

Table S-1 The measured and calculated values of the main crystal plane spacing (d) and dihedral angles (θ) and their deviations (resulted from SAED)

		Location	Parameter	Measured value	Theoretical value	(hkl)	Error	Zone axis
g-C₃N₄	a:4.472 Å	Top	d ₁	3.258	3.361	002	3.064%	[100]
			d ₂	2.035	2.053	020	0.876%	
			d ₃	1.733	1.752	022	1.084%	
			θ_1	59.1°	58.6°	-	0.853%	
			θ_2	90.3°	90°	-	0.333%	
c:6.721 Å	body	d ₁	3.256	3.361	002	3.124%	[100]	
		d ₂	2.022	2.053	020	1.509%		
		d ₃	1.738	1.752	022	0.799%		
		θ_1	59.4°	58.6°	-	1.365%		
		θ_2	90.2°	90°	-	0.222%		

d₁, d₂ and d₃ represent crystal interplanner spacings that meet vector superposition principle (Å)
 θ_1 represents the angle between d₁ and d₃ (°)
 θ_2 represents the angle between d₁ and d₂ (°)