

Supplementary data

Table S1 Analysis of variance (ANOVA) summary for the designed model.

Source	Sum of square	DF	Mean	F-value	p-value	
Model	363.500	14	25.960	118.300	< 0.0001	significant
A-Solid-to-liquid ratio	63.060	1	63.060	287.310	< 0.0001	
B-Power	1.110	1	1.110	5.040	0.04140	
C-Agitation time	20.450	1	20.450	93.190	< 0.0001	
D-Irradiation time	28.030	1	28.030	127.700	< 0.0001	
AB	10.820	1	10.820	49.280	< 0.0001	
AC	57.250	1	57.250	260.870	< 0.0001	
AD	40.770	1	40.770	185.780	< 0.0001	
BC	5.430	1	5.430	24.750	0.00020	
BD	5.020	1	5.020	22.860	0.00030	
CD	20.700	1	20.700	94.300	< 0.0001	
A ²	23.350	1	23.350	106.380	< 0.0001	
B ²	60.880	1	60.880	277.410	< 0.0001	
C ²	40.360	1	40.360	183.910	< 0.0001	
D ²	44.980	1	44.980	204.930	< 0.0001	
Residual	3.070	14	0.220			
Lack of Fit	2.000	10	0.200	0.749	0.67750	not significant
Pure Error	1.070	4	0.268			
Cor Total	366.570	28				