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your own laboratory. **Photo**

Hong J.

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$$d_{500^\circ\text{C}} = \frac{0.89 \times 1.54056 \text{ \AA}}{0.554\pi \div 180 \times \cos(25.357 \div 2)} = 14.5 \text{ nm}$$

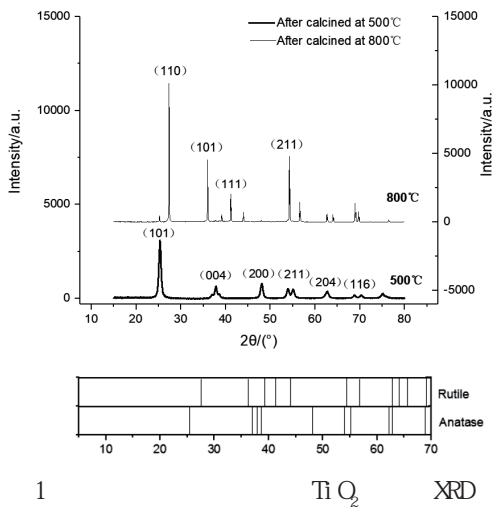
$$d_{800^\circ\text{C}} = \frac{0.89 \times 1.54056 \text{ \AA}}{0.117\pi \div 180 \times \cos(27.399 \div 2)} = 69.1 \text{ nm}$$

(2)

$(1 - \frac{A_t}{A_0}) > 100\%$ $(1 - \frac{A_t}{A_0}) > 100\%$

2

(1) XRD



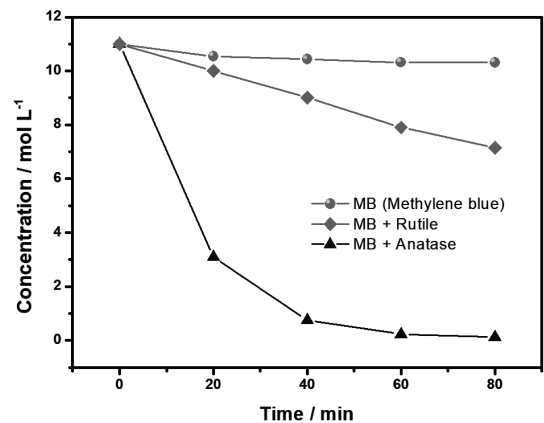
$$d = \frac{0.89 \lambda_{\text{kal}}}{B \cos \theta}$$

Å

$$\frac{C_t}{C_0} = \frac{A_t}{A_0}$$

1

		/ ng/L				
		0min	20min	40min	60min	80min
2.145/11		2.057/ 10.548	2.035/ 10.434	2.013/ 10.321	2.011/ 10.315	
		0.603/ 3.090	0.149/ 0.762	0.045/ 0.231	0.024/ 0.123	
		1.952/ 10.010	1.757/ 9.008	1.542/ 7.908	1.394/ 7.149	



2

-

	%				
	0min	20min	40min	60min	80min
		4.109	5.145	6.173	6.227
	0	71.909	93.073	97.900	98.882
		9.000	18.109	28.109	35.009