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*M.**C.**M.**M.*2.2. *C*

fl

fl

 $\nu \pm \%_0$ 

fl fl

*O<sub>2</sub>* $\mu$  $\mu$  $\mu$ 

—

x

 $\nu$ 2.4. *H*

fl fl

 $\mu$  $\mu \quad \% \quad \mu \quad \mu$ 

## 2. Me h d

2.1. *C**O<sub>2</sub>* $\mu \quad \% \quad \mu$  $\mu$ 

fl

 $\%_0$  $\mu$ 

fl

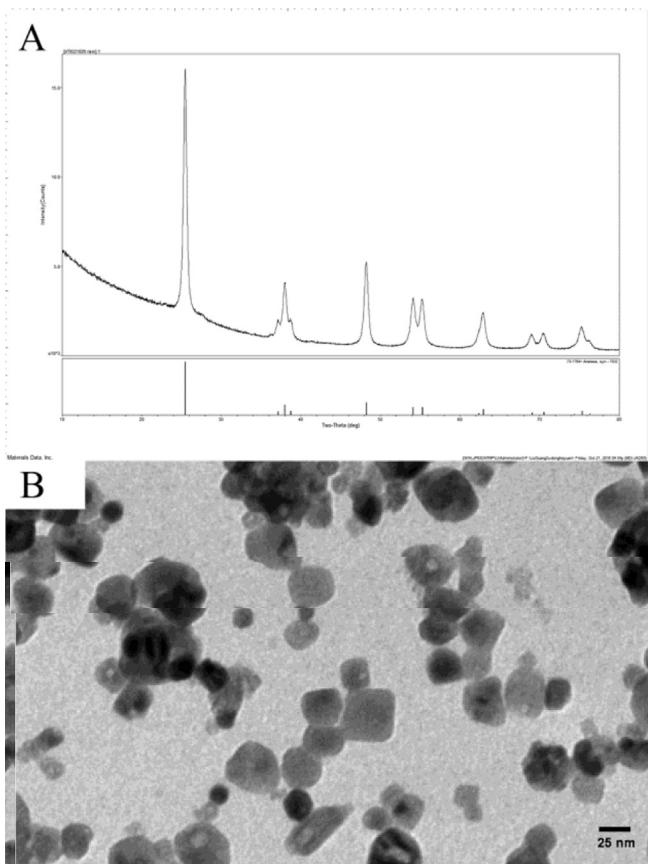
 $\pm$ 

%

 $\mu$  $\mu$  $\mu$  $\mu$ 

Table 1

fl	$\mu$	$\mu$	$\mu$	$\mu$



**Fig. 1.**

26. G

2.5. P

3. Re 1

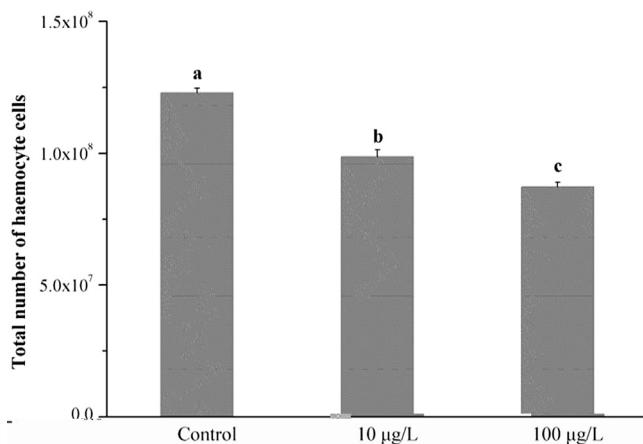
$$3.1. \quad I \qquad O_2 \qquad v \qquad v$$

$$\mu \quad \mu \quad \mu$$

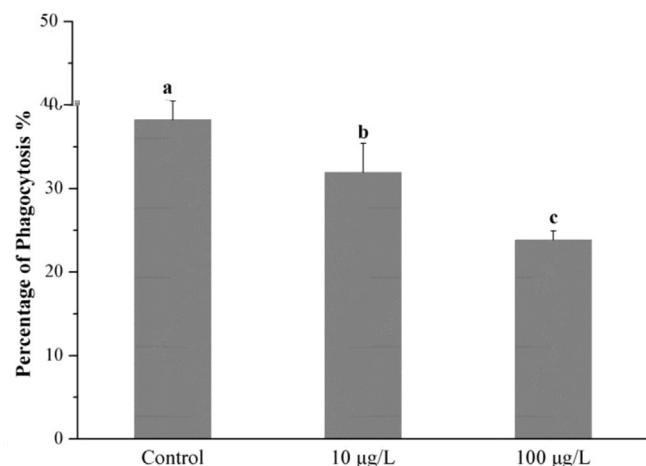
$$32 \quad I \qquad \qquad O_2 \qquad v$$

$$f_i < \mu\%$$

31



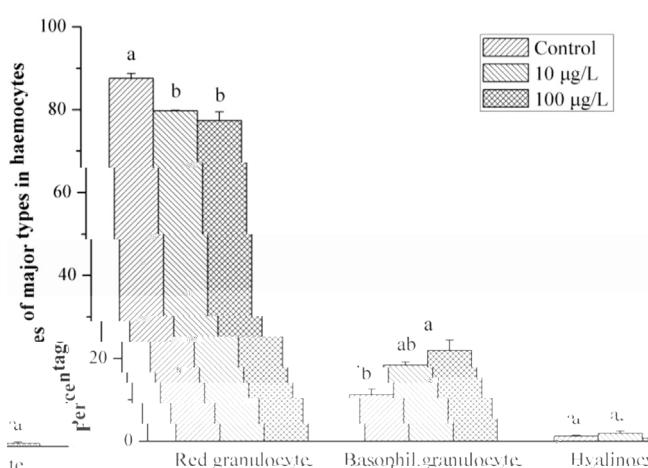
**Fig. 2.** The effect of haemocyte (THC) of *T. granosa* after 30 days at 0, 10 and 100 µg/L  $\text{TiO}_2$ ,  $p < 0.05$ .



**Fig. 4.** The effect of haemocyte (THC) of *T. granosa* after 30 days at 0, 10 and 100 µg/L  $\text{TiO}_2$ ,  $p < 0.05$ .

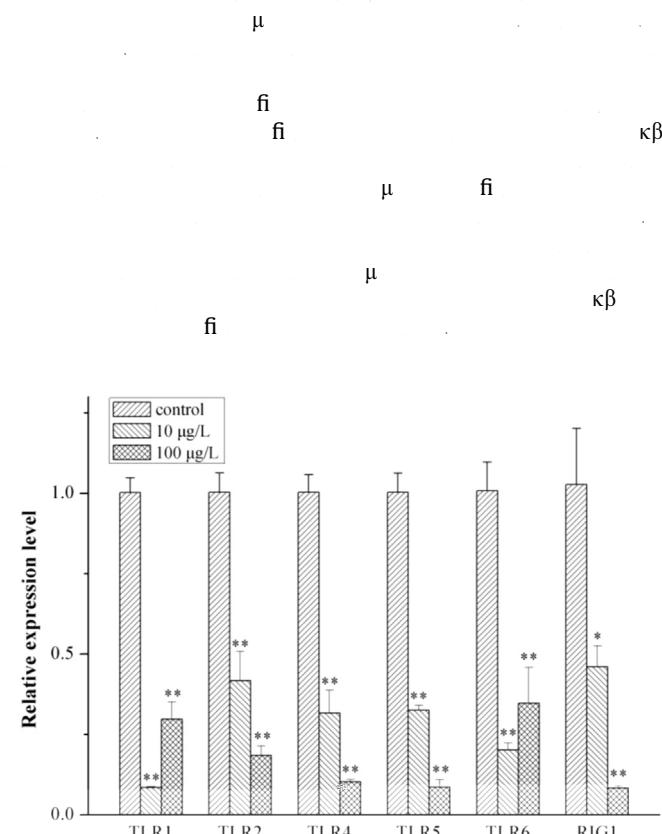
**Table 2**  
ANOVA analysis of variance of  $\text{TiO}_2$  concentration (0, 10 and 100 µg/L) on haemocyte amoebae of *T. granosa* “”  $p < 0.05$

		<i>F</i>		
%	%	x	x	**
haemocyte amoebae	“”	x	x	**
haemocyte amoebae	“”	x	x	**
haemocyte amoebae	“”	x	x	**

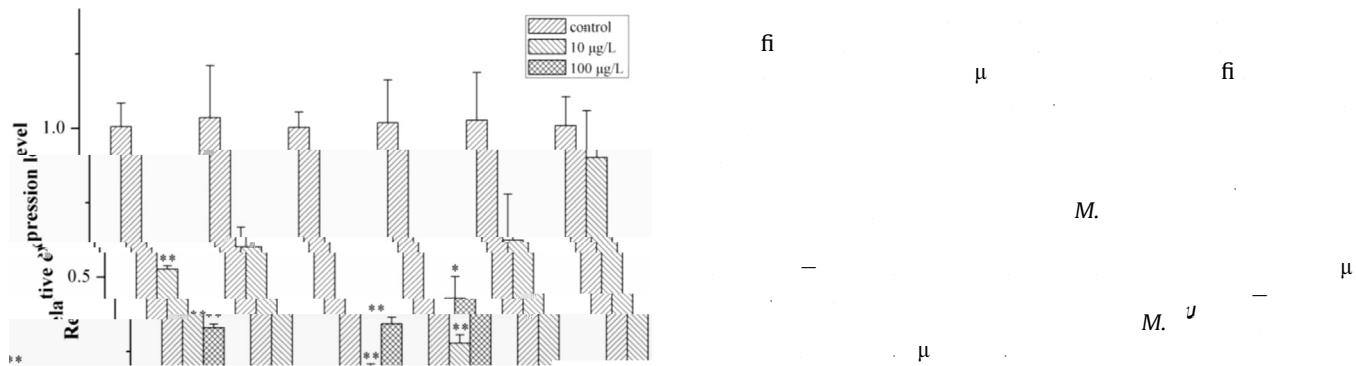


**Fig. 3.** Percentage of haemocyte types of *T. granosa* after 30 days at 0, 10 and 100 µg/L  $\text{TiO}_2$ ,  $p < 0.05$ .

### 3.4. Immune response to $\text{TiO}_2$ via PRR



**Fig. 5.** Effect of  $\text{TiO}_2$  on the expression of PRR genes (TLR1, TLR2, TLR4, TLR5, TLR6, and RIGI) after 30 days at 0, 10 and 100 µg/L  $\text{TiO}_2$ ,  $p < 0.05$ .



**Fig. 6.** Effect of  $\text{TiO}_2$  on the expression of PRRs and inflammatory genes. Cells were treated with 0, 10, and 100  $\mu\text{g}/\text{L}$   $\text{TiO}_2$  for 30 days. Data are expressed as mean  $\pm$  S.E.M.  $^{**}p < 0.01$ ;  $^*p < 0.05$ .

#### 4. Discussion

**Table 3**

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f1 f1 fl

f1

M.  
μ + μ

