Electronic supplementary information (ESI)

Development of high performance dental resin composites with outstanding antibacterial activity, high mechanical properties and low polymerization shrinkage based on SiO_2 hybridized tetrapod-like zinc oxide whisker with C=C bonds

Meng Shen, Guozheng Liang*, Aijuan Gu* and Li Yuan

Table S1 Compositions of typical DRCs since 2013

Ref.	Filler	Filler content (wt%)	Polymerization shrinkage (%)	Decreasing degree of shrinkage (%)
[1]	γ-MPS treated barium glass surface	40	5.0	23
[2]	Crosslinked polymer nanoparticles	25	4.9	30
[3]	Hydroxyapatite whisker	48	5.0	—*

* No datum available

References

1 P. K. Shah and J. W. Stansbury, *Dent. Mater.*, 2014, 30, 586-593.

2 M. Szaloki, J. Gall, K. Bukovinszki, J. Borbely and C. Hegedus, *React. Funct. Polym.*, 2013, 73, 465-473.

3 F. Liu, R. Wang, Y. Cheng, X. Jiang, Q. Zhang and M. Zhu, *Mater. Sci. Eng. C*, 2013, 33, 4994-5000.

*Corresponding author, Tel: +86 512 65880967. Fax: +86 512 65880089. E-mail address: lgzheng@suda.edu.cn, or ajgu@suda.edu.cn