Electronic Supplementary Material (ESI) for Journal of Materials Chemistry B.
This journal is © The Royal Society of Chemistry 2018

Targeted Hexagonal Pd Nanosheets Combination Therapy Rheumatoid Arthritis via Photothermal Control Release MTX

Xu Chen[a,b], Xufeng Zhu[a,b], Taoyuan Xu[a,b], Mengmeng Xu[a,b], Yayu Wen[a,b], Yanan Liu[a,b]*, Jie Liu[a,b*], Xiuying Qing[b*]

Corresponding author (*): Xiuying Qin, Email: xyqin6688@163.com，
Jie Liu, E-mail: tliuliu@jnu.edu.cn，Yanan Liu, E-mail: yananliu0321@163.com

a. Department of Chemistry, College of Chemistry and Materials Science, Jinan University, Guangzhou 510632, China.

b. College of Pharmacy, Guilin Medical University, Guangxi Guilin, 541004, China

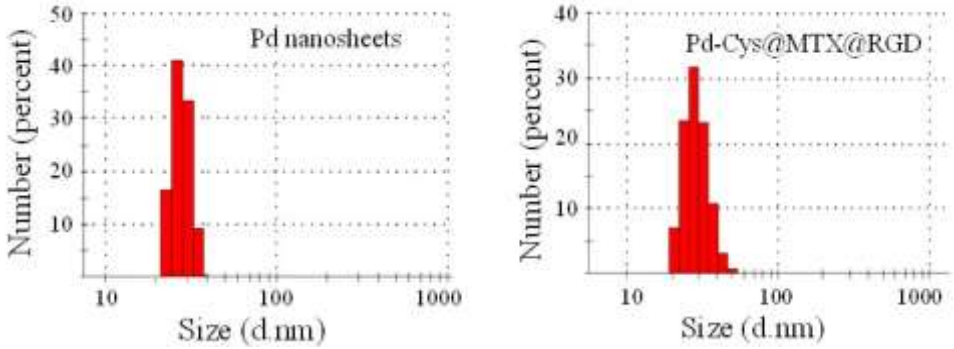

Fig S1. Pd nanosheets and Pd-Cys@MTX@RGD nanosheets diameter distribution detected by dynamic light scattering (DLS).

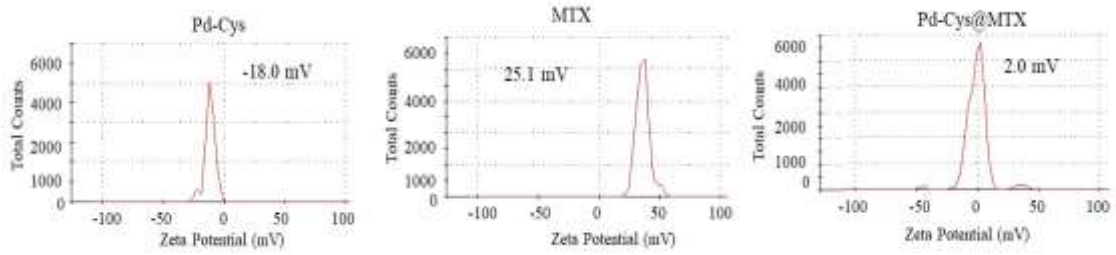

Fig S2. The zeta potential of Pd-Cys, MTX and Pd-Cys@MTX nanosheets detected by dynamic light scattering (DLS).

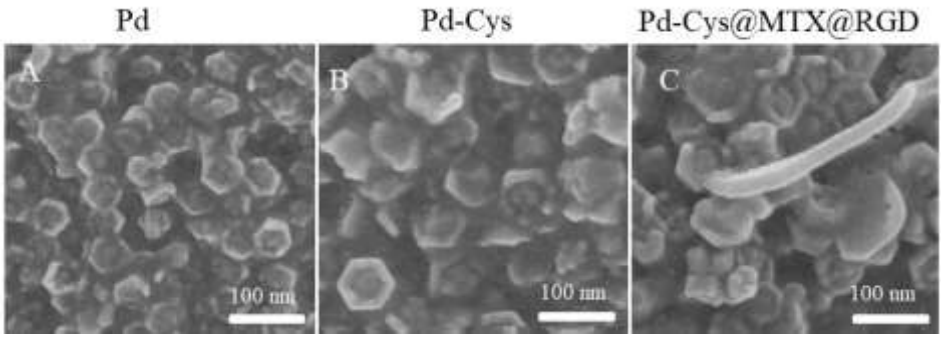

Fig S3. SEM image of Pd, Pd-Cys and Pd-Cys@MTX@RGD.

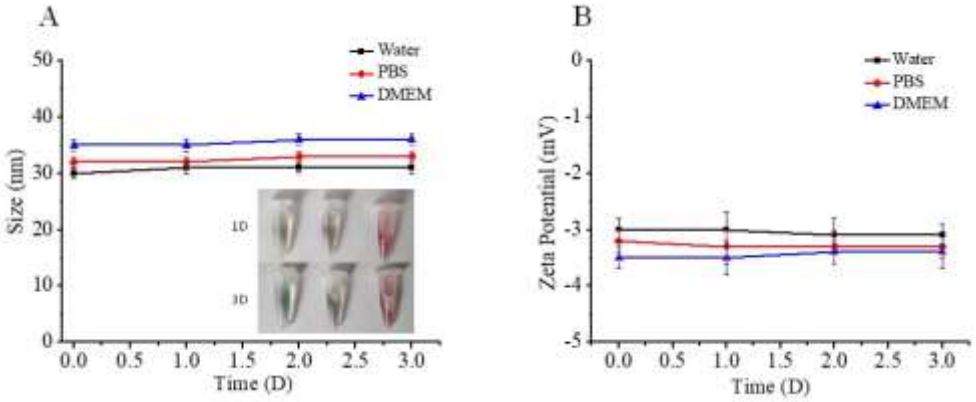

Fig S4. The stability of Pd-Cys, MTX and Pd-Cys@MTX nanosheets in water, PBS and DMEM detected by dynamic light scattering (DLS).

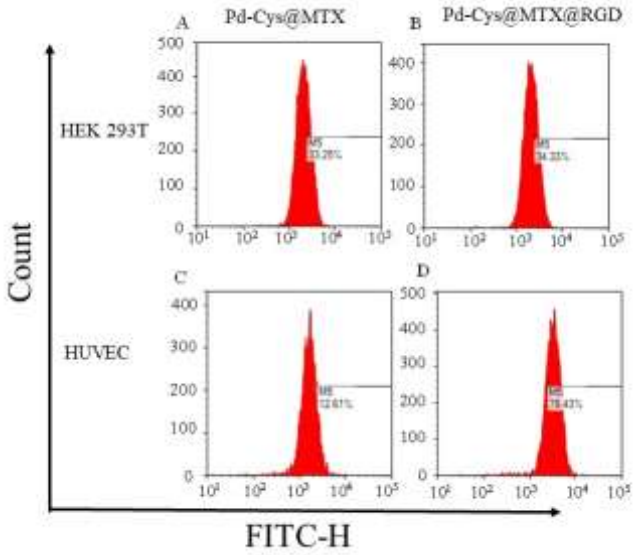

Fig S5. Cell-uptake efficiency of Pd-Cys@MTX or Pd-Cys@MTX@RGD when incubated with HEK 293T cells or HUVEC cells for 12 h by flow cytometry analysis (A–D)