


Brief CV

Name	Fei Peng	中文名	彭飞	
Gender	Female	Country	China	
Title	Associate Prof./Dr.	Position	/	
University/Department	School of Materials Science and Engineering/SUN YAT-SEN UNIVERSITY			
Personal Web Sites	http://mse.sysu.edu.cn/node/880			
Research Area	self-assembly, functional materials, nanomotor, biomedical application			
Brief introduction of your research experience:				
<p>For the last years I have been focused on the research of polymeric autonomous nanovesicles (nanomotors). The application possibility of nanomotors in biomedical field is explored and the nanomotor is demonstrated to be a smart and highly controlled drug delivery platform. (1) We designed and prepared smart nanomotors that could be self-guided to locate the diseased cells and deliver therapeutic cargo; (2) Using stimuli responsive functional materials, we developed nanomotors responsive to environmental temperature, pH, redox condition and used them for smart drug delivery; (3) With the technique of microfluidic, microcontact printing and electrospinning, production of nanomotors at a large scale was achieved, facilitating the technology transfer from lab to industry. Over these years I have accumulated experience in fields including self-assembly, interfacial chemistry, functional materials and nano-/micro fabrication technique.</p> <p>These research works have been published in many high impact factor journals like Angewandte Chemie International Edition, Advanced Materials, Nature Chemistry, ACS Nano etc. Some of these publications have been chosen as cover paper, VIP paper and ESI hot paper. The works are also reported by media including Nature World News, Science Daily, Global Medical Discovery, Chemistry views, Medscape, Phys.org, E&T Magazine, SpectroscopyNow, Global Pharmaceutical Technology & Manufacturing.</p>				

*****All the columns need to be filled in.