

Kai Han (韩凯)

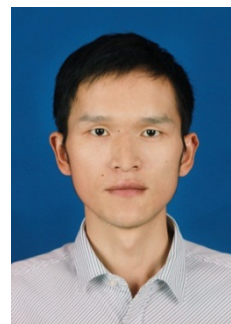
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Address: College of Science, Huazhong Agricultural University,
Wuhan, Hubei, China

Position: Associate Professor, Master Tutor



Interests

1. Tumor Targeted Drug Delivery Systems.
2. Tumor Imaging, Diagnosis and Targeted Therapy.

Education and Work

07/2015- Associate Professor, Huazhong Agricultural University, China

09/2012-06/2015 Ph. D., Major in Polymer Chemistry and Physics, Wuhan University, China

Supervisor: Prof. X. Z. Zhang

09/2010-06/2012 M. S., Major in Chemical Engineering, Wuhan University, China

Supervisor: Prof. X. Z. Zhang

09/2010-06/2012 B. S., Major in Applied Chemistry, Wuhan University, China

Publications

10. **K Han**, WY Zhang, J Zhang, Q Lei, SB Wang, JW Liu, XZ Zhang, HY Han,* “[Acidity-Triggered Tumor-Targeted Chimeric Peptide for Enhanced Intra-Nuclear Photodynamic Therapy](#)”, *Adv. Funct. Mater.* 2016, 26: 4351. (IF: 11.382)
9. **K Han**, JY Zhu, HZ Jia, SB Wang, SY Li, XZ Zhang*, HY Han,* “[Mitochondria-Targeted Chimeric Peptide for Trinitarian Overcoming of Drug Resistance](#)”, *ACS Appl. Mater. Interfaces* 2016, 8: 25060. (IF: 7.145)
8. **K Han**[†], SB Wang[†], Q Lei, JY Zhu, XZ Zhang*, “[Ratiometric Biosensor for Aggregation-Induced Emission-Guided Precise Photodynamic Therapy](#)”, *ACS Nano* 2015, 9: 10268. (IF: 13.334)
7. **K Han**, Q Lei, SB Wang, JJ Hu, WX Qiu, JY Zhu, WN Yin, X Luo, XZ Zhang*, “[Dual-Stage-Light-Guided Tumor Inhibition by Mitochondria-Targeted Photodynamic Therapy](#)”, *Adv. Funct. Mater.* 2015, 25: 2961 (Inside Front Cover Paper). (IF: 11.382)

6. **K Han**, Q Lei, HZ Jia, SB Wang, WN Yin, WH Chen, SX Cheng, XZ Zhang*, “[A Tumor Targeted Chimeric Peptide for Synergistic Endosomal Escape and Therapy by Dual-Stage Light Manipulation](#)”, *Adv. Funct. Mater.* 2015, 25: 1248. (IF: 11.382)
5. **K Han**, WN Yin, JX Fan, FY Cao, XZ Zhang*, “[Photo-Activatable Substrates for Site-Specific Differentiation of Stem Cells](#)”, *ACS Appl. Mater. Interfaces* 2015, 7: 23679. (IF: 7.145)
4. **K Han**, JY Zhu, SB Wang, ZH Li, SX Cheng, XZ Zhang*, “[Tumor Targeted Gold Nanoparticles for FRET-Based Tumor Imaging and Light Responsive On-Demand Drug Release](#)”, *J Mater Chem B* 2015, 3: 8065. (IF: 4.872)
3. **K Han**, Y Liu, WN Yin, SB Wang, Q Xu, RX Zhuo, XZ Zhang*, “[A FRET-Based Dual-Targeting Theranostic Chimeric Peptide for Tumor Therapy and Real-Time Apoptosis Imaging](#)”, *Adv. Healthcare Mater.* 2014, 3: 1765. (IF: 5.760)
2. **K Han**, S Chen, WH Chen, Q Lei, Y Liu, RX Zhuo, XZ Zhang*, “[Synergistic Gene and Drug Tumor Therapy Using a Chimeric Peptide](#)”, *Biomaterials* 2013, 34: 4680. (IF: 8.387)
1. **K Han**, J Yang, S Chen, JX Chen, CW Liu, C Li, H Cheng, RX Zhuo, XZ Zhang*, “[Novel Gene Transfer Vectors Based on Artificial Recombinant Multi-Functional Oligopeptides](#)”, *Int. J. Pharm.* 2012, 436: 555. (IF: 3.99)

Talks and Posters

3. The 6th Internatioanl NanoBio Conference and The First Symposium On Minimally Invasive and Image Guided Surgery. Oct 2016, Nanjing, China, “*Acidity-Triggered Tumor-Targeted Chimeric Peptide for Enhanced Photodynamic Therapy*”, Invited.
2. Excellent PhD Forum, University of Chinese Academy of Sciences, Oct 2014, Beijing, China, “*Peptide-Based Nanoparticles for Tumor Diagnosis and Therapy*”, Invited.
1. National Conference on Polymer Science, Sep 2012, Shanghai, China, “*Synergistic Gene and Drug Tumor Therapy via Chimeric Peptides*”, Poster.