



**職稱：** 助理教授  
**學院：** 藥學院  
**電郵地址：** [xilwang@must.edu.mo](mailto:xilwang@must.edu.mo)  
**電話：** (853) 8897-3261  
**辦公室：** E213  
**郵寄地址：** 澳門氹仔偉龍馬路

**教學科目：** 藥劑學、藥劑學實驗、智能納米給藥系統、藥學實習 II

**研究方向：** 新型藥物/基因輸送系統、生物材料

王曉琳助理教授本科畢業于山東大學藥學院，碩士畢業於上海醫藥工業研究院藥物製劑國家工程研究中心。在法國巴黎第六大學攻讀博士學位，并從事兩年的博士後研究工作。現任澳門科技大學藥學院助理教授，從事新型藥物輸送系統研究以來，以第一或通訊作者發表SCI論文14篇。研究興趣為長效微球製劑、多功能納米藥物/基因輸送系統、生物材料的研究與開發。

## 教育背景

- 2012.10-2015.10** 材料物理與化學 博士  
巴黎第六大學，法國 Université Pierre et Marie Curie (UPMC), Paris, France
- 2009.09-2012.07** 藥劑學 碩士  
藥物製劑國家工程研究中心，中國醫藥工業研究總院，上海
- 2005.09-2009.06** 藥學專業 本科  
山東大學，山東濟南

## 近年發表的主要 SCI 期刊論文(\* Corresponding author)

- **Wang, X.**, Ronsin, O., Gravez, B., Farman, N., Baumberger, T., Jaisser, F., Coradin, T., Héлары, C.\* Nanostructured Dense Collagen-Polyester Composite Hydrogels as Amphiphilic Platforms for Drug Delivery. *Adv. Sci.* **2021**, 8, 2004213. (IF = 17.5)
- Liu, S., Xu, J., Liu, Y., You, Y., Xie, L., Tong, S., Chen, Y., Liang, K., Zhou, S., Li, F., Tang, Z., Mei, N., Lu, H., **Wang, X.**, \* Gao, X., \* Chen, J., \* Neutrophil-Biomimetic “Nanobuffer” for Remodeling the Microenvironment in the Infarct Core and Protecting Neurons in the Penumbra via Neutralization of Detrimental Factors to Treat Ischemic Stroke. *ACS Appl. Mater. Interfaces* **2022**, 14 (24), 27743-27761. (IF = 10.3)
- Lin, X., # **Wang, X.**, # Zeng, L., Wu, Z. L., Guo, H.,\* Hourdet, D.\* Stimuli-Responsive Toughening of Hydrogels. *Chem. Mater.* **2021**, DOI: 10.1021/acs.chemmater.1c01019. (IF = 10.5) (co-first author)
- Li, P., Wang, Z., Lin, X., **Wang, X.**, \* Guo, H. Muscle-Inspired Ion-Sensitive Hydrogels with Highly Tunable Mechanical Performance for Versatile Industrial Applications. *Sci. China Mater.* **2021**, DOI: 10.1007/s40843-021-1722-0. (IF = 8.64)
- Cui, H., Chen, F., Liao, Y., Liang, Z., Luo, L., **Wang, X.**, \* Guo, H.,\* Zhao, J.,\* Meng, G., Ouyang, G., Ke, W., Guo, H., Hydrophobic hydrogels as internal curing agent for concrete: The double benefit of super high water content and excellent anti-ion permeability. *Composites Communications* **2022**, 33, 101236. (IF = 7.6)
- Guo, H., Chen, J., Wang, Z., Guo, H., Hong, W., **Wang, X.**\* Dynamic Swelling Performance of Hydrophobic Hydrogels. *Chin. Chem. Lett.* **2021**, DOI: 10.1016/j.ccllet.2021.09.015. (IF = 8.5)
- Li, P., Liu, Y., Wang, Z., Xiao, X., Meng, G., **Wang, X.**,\* Guo, H.-L., Guo, H., Dry-Regulated Hydrogels with Anisotropic Mechanical Performance and Ionic Conductivity. *Chin. Chem. Lett.* **2021**, DOI: 10.1016/j.ccllet.2021.08.010. (IF = 8.5)
- Song, K., Tang, Z., Song, Z., Meng S., Yang X., Guo, H., Zhu, Y., **Wang, X.** \* Hyaluronic Acid-Functionalized Mesoporous Silica Nanoparticle-Loading Simvastatin for Targeted Therapy of Atherosclerosis. *Pharmaceutics* **2022**, 14(6), 1265-1283. (IF = 6.5)
- Zeng, L., Liu, Z., Huang, J., **Wang, X.** \*, Guo, H., \* Li, W.-H., \* Anti-Fouling Performance of Hydrophobic Hydrogels with Unique Surface Hydrophobicity and Nanoarchitectonics. *Gels* **2022**, 8 (7), 407. (IF = 4.4)

- Song, Z., Song K., Xiao Y., Guo, H., Zhu, Y., \* **Wang, X.**\* Biologically Responsive Nanosystems Targeting Cardiovascular Diseases Therapy. *Curr. Drug Deliv.* **2021**, *18*, 1. (IF = 3.7)
- Lei, T., Yang, Z., Xia, X., Chen, Y., Yang, X., Xie, R., Tong, F., **Wang, X.**, Gao, H.\* A Nanocleaner Specifically Penetrates the Blood–Brain Barrier at Lesions to Clean Toxic Proteins and Regulate Inflammation in Alzheimer’s Disease. *Acta Pharm. Sin. B* **2021**, DOI: 10.1016/j.apsb.2021.04.022. (IF = 14.9)
- **Wang, X.**, Héлары, C.,\* Coradin, T.\* Modulating Inflammation in A Cutaneous Chronic Wound Model By IL-10 Released From Collagen–Silica Nanocomposites via Gene Delivery. *Biomater. Sci.* **2018**, *6*, 398. (IF = 7.6)
- **Wang, X.**, Héлары, C.,\* Coradin, T.\* Local and Sustained Gene Delivery in Silica-Collagen Nanocomposites. *ACS Appl. Mater. Inter.* **2015**, *7*, 2503. (IF = 10.3)
- **Wang, X.**, Mass, S., Laurent, G., Héлары, C., Coradin, T.\* Impact of the Polyethylenimine Conjugation Mode on the Cell Transfection Efficiency of Silica Nanovectors. *Langmuir* **2015**, 11078. (IF = 4.3)
- **Wang, X.**, Ben Ahmed, N., S Alvarez, G. *et al.*, Sol-gel Encapsulation of Biomolecules and Cells for Medicinal Applications. *Curr. Top. Med. Chem.* **2015**, *15*, 223. (IF = 3.6)
- Lin, Y., Li, Y., Li, Y., Li, D., Wang, X., Wang, L., Yu, M., Zhu, Y., Cheng, J., Du, M., SCM-198 Prevents Endometriosis by Reversing Low Autophagy of Endometrial Stromal Cell *via* Balancing ER $\alpha$  and PR Signals. *Front. Endocrinol.* **2022**, *13*:858176. (IF = 6.0)
- S Alvarez, G., Héлары, C., Mathilde Mebert, A., **Wang, X.**, *et al.* Antibiotic-loaded Silica Nanoparticles/Collagen Composite Hydrogels with Prolonged Antimicrobial Activity for Wound Infection Prevention. *J. Mater. Chem. B* **2014**, *2*, 4660. (IF = 7.6)
- Shi Y., Guenneau F., **Wang X.**, Héлары C., Coradin T.\* MnO<sub>2</sub>-gated Nanoplatforms with Targeted Controlled Drug Release and Contrast-Enhanced MRI Properties: from 2D Cell Culture to 3D Biomimetic Hydrogels. *Nanotheranostics* **2018**, *2*, 403.

## 學術任職

中國藥學會高級會員

*Frontiers of Biomaterials Science* 审稿編輯 (Review Editor)