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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、Advanced Pharmaceutics、Morden Biotechnology

研究方向： 新型藥物/基因輸送系統、生物材料

王曉琳副教授本科畢業于山東大學藥學院，碩士畢業于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副教授、博士生導師。研究興趣為多功能納米藥物/基因輸送系統、長效微球製劑、生物材料的研究與開發。從事新型藥物輸送系統研究以來，主持國家自然科學基金青年項目、澳門科技發展基金、廣東省自然科學基金面上項目等科研項目7項，在 *Advanced Science*, *Small*, *Chemical Engineering Journal*, *Materials Horizon*, *Chemistry of Materials*, *ACS Applied Materials & Interfaces* 等國際一流期刊發表SCI論文三十餘篇，申請中國專利7項（授權2項）。中國藥學會智能藥物專業委員會委員，海峽兩岸醫藥衛生交流協會醫院藥學專業委員會青年委員，中國藥學會高級會員，世界中醫藥學會聯合會中藥藥劑專業委員會理事會理事，粵港澳大灣區腦智工程研究會會員。擔任 *Sci. Adv.*, *Small*, *Acta Biomater.*, *Biomacromolecules*, *Int. J. Nanomed.*, *Int. J. Pharmaceut.*, *Drug Deliv.* 等國際期刊審稿人。

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

1. Tang, Z.; Zhang, X.; Meng, S.; Yi, X.; Liu, Y.; Wu, K.; Li, Y.; Peng, S.; Guo, H.; Du, M.; Zhu, Y. Z.; **Wang, X.\***, Cell membrane camouflaged and ROS responsive nanosomes for targeted endometriosis therapy via reversing inflammatory, low-autophagy, and immunotolerant microenvironment. *Chem. Eng. J.* **2024**, *493*, 152697. (IF = 15.1)
2. Lin, X., **Wang, X.\***, Cui, H., Ouyang, G., Guo, H., A universal strategy for preparing tough and smart glassy hydrogels. *Chem. Eng. J.* **2023**, *457*, 141280. (IF = 15.1)
3. Lin, X., # **Wang, X.#**, Cui, H., Rao, P., Meng, Y., Ouyang, G., Guo, H., Hydrogels with ultra-highly additive adjustable toughness under quasi-isochoric conditions. *Mater. Horizons* **2023**, *10* (3), 993-1004. (Co-first author, IF = 13.3)
4. Tang, Z., Meng, S., Yang, X., Xiao Y., Wang W., Liu Y., Wu K., Guo H., Zhu, Y. Z.; **Wang, X.\***., Neutrophil-mimetic, ROS Responsive, and Oxygen Generating Nanovesicles for Targeted Interventions of Refractory Rheumatoid Arthritis. *Small* **2023**, 2307379. (IF = 13.3)
5. **Wang, X.**, Ronsin, O., Gravez, B., Farman, N., Baumberger, T., Jaisser, F., Coradin, T.; Hélyary, C.\* Nanostructured Dense Collagen-Polyester Composite Hydrogels as Amphiphilic Platforms for Drug Delivery. *Adv. Sci.* **2021**, *8*, 2004213. (IF = 15.1)
6. Tang, Z., Meng, S., Song, Z., Yang, X., Li, X.; Guo, H.; Du, M.; Chen, J.; Zhu, Y. Z.; **Wang, X.\***., Neutrophil membrane fusogenic nanoliposomal leonurine for targeted ischemic stroke therapy via remodeling cerebral niche and restoring blood-brain barrier integrity. *Mater. Today Bio* **2023**, *20*,

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7. Wang W., Liu Y., Liu Y., Yang X., **Wang, X.\*** Highly Sensitive Smart Hydrogels with pH-Tunable Toughness via Signaling Cascade Amplification. *Giant*, **2023**, 16, 100197. (IF = 7.0)
  8. Liu, Y., Fu, Y., Xu, Z., Xiao, Xuemei; Li, Ping; **Wang, X.\*** Guo, H. Solubilization of Fully Hydrolyzed Polyvinyl Alcohol at Room Temperature for Fabricating Recyclable Hydrogels. *ACS Macro Lett.* **2023**,12 (11), 1543-1548. (IF = 5.8)
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  10. Song, Z., Meng, S., Tang, Z., Yang, X., He, Y., Zheng, Y., Guo, H., Du, M., Zhu, Y., **Wang, X.\***, Injectable leonurine nanocrystal-loaded microspheres for long-term hyperlipidemia management. *Biomater. Sci.* **2023**, 11 (13), 4713-4726. (IF = 6.6)
  11. Meng, S., Song, Z., Tang, Z., Yang, X., Xiao, Y., Zhou, K., Du, M., Zhu, Y., **Wang, X.\***, Surface-decorated Nanoliposomal Leonurine Targets Activated Fibroblast-like Synoviocytes for Efficient Rheumatoid Arthritis Therapy. *Biomater. Sci.* **2023**, 11, 7099-7113. (IF = 6.6)
  12. Lin, X., # **Wang, X.**, # Zeng, L., Wu, Z. L., Guo, H.,\* Hourdet, D.\* Stimuli-Responsive Toughening of Hydrogels. *Chem. Mater.* **2021**, 33 (19), 7633–7656. (IF = 8.6) (co-first author)
  13. 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. *Compos. Commun.* **2022**, 33, 101236. (IF = 8.0)
  14. 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.* **2022**, 65 (1), 229-236. (IF = 8.1)
  15. Guo, H., Chen, J., Wang, Z., Guo, H., Hong, W., **Wang, X.\*** Dynamic Swelling Performance of Hydrophobic Hydrogels. *Chin. Chem. Lett.* **2022**, 33, 2178-2182. (IF = 9.1)
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21. **Wang, X.**, Ben Ahmed, N., S Alvarez, G. *et al.*, Sol-gel Encapsulation of Biomolecules and Cells for Medicinal Applications. *Curr. Med. Chem.* **2015**, 15, 223. (IF = 4.0)
22. 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). (IF = 4.6)
23. 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 = 2.4)
24. 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**, 11 (12), 4032-4044. (IF = 14.5)
25. Liu, Y., Cui, H., **Wang, X.**, Ouyang, G., Guo, H.\*, Hydrogels with Reversible Heat-Trained Toughness for Convenient Manufacture. *Adv. Mater. Technol.* **2023**, 8 (5), 2201346. (IF = 8.8)
26. Qu, B., **Wang, X.**, Zheng, D., Mai, C., Liu, Z., Zhou, H., Xie, Y., Novel treatment for refractory rheumatoid arthritis with total glucosides of paeony and nobiletin codelivered in a self-nanoemulsifying drug delivery system. *Acta Pharmacol. Sin.* **2022**, 43 (8), 2094-2108. (IF = 8.1)
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### 學術任職

中國藥學會智能藥物專業委員會委員

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### 科研獎勵

2024 年度中銀學術研究優秀獎