【个人简介】

郑威，1991 年生于安徽黄山，博士，同济大学“青年百人计划”（2022）特聘研究员。主要致力于超分子化学、高分子化学和纳米碳材料领域的研究。主要涉及以下三个方面：一、基于超分子金属有机大环的星形聚合物的构筑与性质研究；二、超分子星形聚合物拓扑结构转化研究；三、螺旋分子的设计合成与性质研究。目前为止，本人已经在国际主流 SCI 期刊上发表 21 篇论文，参与编写外文著作一章。其中以第一作者和共同第一作者以及共同通讯作者身份发表论文 14 篇，其中包括 3 篇 *J. Am. Chem. Soc.*; 1 篇 *Angew. Chem. Int. Ed.*; 1 篇 *Chem. Soc. Rev.* 和 1 篇 *Nat. Sci.*。

【教育与工作背景】

2010.09 – 2014.07 安徽师范大学 化学与材料科学学院 材料化学专业 工学学士

2014.09 – 2019.06 华东师范大学 化学与分子工程学院 有机化学专业 理学博士（导师：杨海波）

2018.03 – 2018.12 耶鲁大学 化学工程学院 高分子化学专业 交流学习（导师：钟明江）

2019.08 – 2022.08 日本名古屋大学 工学部 有机高分子专业 博士后（合作导师：Eiji Yashima）

2022.08 – 至今 同济大学 材料科学与工程学院 特聘研究员

【荣誉称号与奖励】

- 博士研究生国家奖学金 (2016)
- 华东师范大学校长奖学金 (2016)
- 上海市优秀毕业生 (2019)
- 日本学术振兴会外国人特别研究员 (2020)

【近期代表性论文】

(1) **Zheng, W.**; Chen, L.-J.; Yang, G.; Sun, B.; Wang, X.; Jiang, B.; Yin, G.-Q.; Zhang, L.; Li, X.; Liu, M.; Chen, G.; Yang, H.-B. Construction of smart supramolecular polymeric hydrogels cross-linked by discrete organoplatinum (II) metallacycles via post-assembly polymerization. ***J. Am. Chem. Soc.*** 2016, *138*, 4927.

(2) **Zheng, W.**; Yang, G.; Shao, N.; Chen, L.-J.; Ou, B.; Jiang, S.-T.; Chen, G.; Yang, H.-B. CO_2 stimuli-responsive, injectable block copolymer hydrogels cross-linked by discrete organoplatinum(II) metallacycles via stepwise post-assembly polymerization. ***J. Am. Chem. Soc.*** 2017, *139*, 13811.

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driven by simple phosphine ligand-exchange reaction. ***J. Am. Chem. Soc.*** 2019, *141*, 583. (***Front cover***) (†共同一作，下同)

(4) **Zheng, W.**; Ikai, T.; Yashima, E. Synthesis of single-handed helical spiro-conjugated ladder polymers through quantitative and chemoselective cyclizations. ***Angew. Chem., Int. Ed.*** 2021, *60*, 11294. (***VIP paper***)

(5) **Zheng, W.**; Ikai, T.; Oki, K.; Yashima, E. Consecutively fused single-, double-, and triple-expanded helicenes. ***Nat. Sci.*** 2022; *2*, e20210047.

(6) Zhu, Y†.; **Zheng, W†.**; Wang, W.; Yang, H.-B. When polymerization meets coordination-driven self-assembly: metallo-supramolecular polymers based on supramolecular coordination complexes. ***Chem. Soc. Rev.*** 2021, *50*, 7395.

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(8) **Zheng, W†.**; Yang, G†.; Jiang, S.-T.; Shao, N.; Yin, G.-Q.; Xu, L.; Li, X.; Chen, G.; Yang, H.-B. A tetraphenylethylene (TPE)-based supra-amphiphilic organoplatinum (ii) metallacycle and its self-assembly behaviour. ***Mater. Chem. Front.*** 2017, *1*, 1823.

(9) **Zheng, W†.**; Yang, X.-L†.; Wu, G.-Y.; Cheng, L. Controlled self-assembly of metallacycle-bridged gold nanoparticles for surface-enhanced raman scattering. ***Chem. Eur. J.*** 2019, *26*, 11695. (***Hot paper***)

(10) Jiang, S.-T†.; **Zheng, W†.**; Yang, G.; Zhu, Y.; Chen, L.-J.; Zhou, Q.-F.; Wang, X.-Y.; Li, Z.; Yin, G.-Q.; Li, X.; Ding, H.-m.; Chen, G.; Yang, H.-B. Construction of metallacycle-linked heteroarm star polymers via orthogonal post-assembly polymerization and their intriguing self-assembly into large-area and regular nanocubes. ***Chin. J. Chem.*** 2020*, 38,* 1285.

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(12) Wu, G.-Y.; Liang, C.; Li, H.; Zhang, X.; Yao, G.; Zhu, F.-F.; Hu, Y.-X.; Yin, G.-Q.; **Zheng. W.***; Lu, Z. A multi-responsive supramolecular heparin-based biohybrid metallogel constructed by controlled self-assembly based on metal–ligand, host–guest and electrostatic interactions. ***Org. Chem. Front.***, 2021, *8*, 4715.

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(14) Wu, G.-Y.; **Zheng, W.***; Yang, X.-L.; Liu, Q.-J.; Cheng, L. Supramolecular metallacycle-assisted interfacial self-assembly: A promising method of fabricating gold nanoparticle monolayers with precise interparticle spacing for tunable SERS activity. ***Tetrahedron Lett.*** 2022, *94*, 153716.