

姓名：江俊儒

学位职称：博士研究生 讲师

辽宁省百千万人才层次：辽宁省百千万人才工程“万”层次

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主讲课程：材料分析与检测、光谱学与光谱分析

科研方向：高压下材料的结构与性质研究



教育工作简历：

2008.09-2012.07, 渤海大学, 学士, 物理学

2012.09-2017.07, 吉林大学, 博士, 凝聚态物理

学术成果：

【获奖】

辽宁科技大学 2021 届本科毕业设计校级优秀指导教师

【代表性学术著作、论文】

1. Wen Yang, Huili Wei, Tianyi Yu, Jie Ding, **Junru Jiang***, Jian Wang, Zhijun He, Hongyang Zhu.

“Raman and synchrotron X-ray diffraction studies of 4-azidobenzoic acid under high pressures.”

J Raman Spectrosc. 2022, DOI: 10.1002/jrs.6493.

2. Wen Yang, Huili Wei, Tianyi Yu, **Junru Jiang***, Jian Wang, Zhijun He, Xinmei Hou, Qiliang Cui, Hongyang Zhu.

“Raman spectroscopy and X-ray diffraction of diphenylphosphoryl azide under high pressures.”

J Raman Spectrosc. 2022, 53(12), 2123-2128

3. Wen Yang, Zuzhen Shang, **Junru Jiang***, Hongyang Zhu, Xinmei Hou, Zhijun He, Jian Zhang, Qiliang Cui.

“High-Pressure Studies of Trimethylsilane Azide by Raman Scattering and Synchrotron X-ray Diffraction.”

J. Phys. Chem. B 2021, 125, 12042-12046

4. **Junru Jiang**, Xuefeng Li, Peifen Zhu, Dongmei Li, Xue Han, Qiliang Cui, Hongyang Zhu.

“Effect of Pressure on 4-Toluenesulfonyl Azide Studied by Raman Scattering and Synchrotron X-ray Diffraction.”

J. Phys. Chem. C, 2017, 121, 1032-1039

5. **Junru Jiang**, Huanpeng Bu, Peifen Zhu, Ran Liu, Bingbing Liu, Qiliang Cui, Hongyang Zhu.

“Pressure-Induced Phase Transitions and Amorphization of 4-Carboxybenzenesulfonyl Azide.”

J. Phys. Chem. C, 2016, 120, 25709–25716

6. **Junru Jiang**, Peifen Zhu, Dongmei Li, Yanmei Chen, Miaoran Li, Xiaoli Wang, Bingbing Liu, Qiliang Cui, Hongyang Zhu.

“High Pressure Studies of Trimethyltin Azide by Raman Scattering, IR Absorption, and Synchrotron X-ray Diffraction.”

RSC Adv., 2016, 6, 98921-98926

7. **Junru Jiang**, Jianguo Zhang, Peifen Zhu, Jianfu Li, Xiaoli Wang, Dongmei Li, Bingbing Liu, Qiliang Cui, Hongyang Zhu.

“High Pressure Studies of $\text{Ni}_3[(\text{C}_2\text{H}_5\text{N}_5)_6(\text{H}_2\text{O})_6](\text{NO}_3)_6 \cdot 1.5\text{H}_2\text{O}$ by Raman Scattering, IR Absorption, and Synchrotron X-ray Diffraction.”

RSC Adv., 2016, 6, 65031–65037.

8. **Junru Jiang**, Peifen Zhu, Dongmei Li, Yanmei Chen, Miaoran Li, Xiaoli Wang, Bingbing Liu, Qiliang Cui, Hongyang Zhu.

“High Pressure Studies of 4-Acetamidobenzenesulfonyl Azide: Combined Raman Scattering, IR Absorption, and Synchrotron X-ray Diffraction Measurements.”

J. Phys. Chem. B, 2016, 120, 12015–12022

9. **Junru Jiang**, Xiaoxin Wu, Dongmei Li, Boheng Ma, Ruirui Liu, Xiaoli Wang, Jian Zhang, Hongyang Zhu, Qiliang Cui.

“High Pressure Raman Scattering and Synchrotron X-ray Diffraction Studies of Benzyl Azide.”

J. Phys. Chem. B, 2015, 119, 513–518.

10. **江俊儒**, 梁英爽, 王茜, 王颖。《材料分析与检测课程教学改革探究》, 新教育时代, 2020.08.

11. **江俊儒**, 何志军, 王健。《基于跨校修读模式下线上线下混合式教学改革研究——以《材料分析与检测》课程为例》, 教育, 2022.12.

【主要科研项目】

- 1.主持 2022 年辽宁省教育厅教改项目：基于跨校修读模式的《材料分析与检测》混合式教学研究。
- 2.主持 2019 年吉林大学超硬材料国家重点室开放课题：高压下叠氮基的旋转与弯折在氮聚合反应中的作用机制。
- 3.主持 2019 年辽宁科技大学校人才项目：叠氮基的几何形态、电子结构及其高压行为的理论研究。
- 4.主持 2018 年辽宁科技大学校青年项目：高压高剪切下叠氮三甲基硅烷的结构与键合研究。
- 5.主持 2017 年辽宁省教育厅青年项目：高压下有机叠氮化物的结构与性质研究。