* 个人简介：

余华梁，男，2010年获得中山大学光学博士学位，现为闽江学院副教授。主要研究半导体光电材料与器件、半导体光催化，主持2项福建省自然科学基金课题的研究，通过构建异质结、引入表面等离子体共振热点等手段，增强材料的光催化性能，先后发表SCI论文近10篇。

* 研究方向：

半导体光电材料与器件、半导体光催化

* 代表性论文
* Hua-Liang Yu, Qing-Xing Wu, Jun Wang, Li-Qin Liua, Biao Zheng, Cheng Zhang, Yao-Guo Shen, Chun-Lei Huang, Bi Zhou, Jun-Rong Jia, Simple fabrication of the Ag-Ag2O-TiO2 photocatalyst thin films on polyester fabrics by magnetron sputtering and its photocatalytic activity, Applied Surface Science 503 (2020) 144075. (SCI)
* Hua-Liang Yu, Jun Wang, Biao Zheng, Bing-Wen Zhang, Li-Qin Liu, Ying-Wu Zhou,Cheng Zhang, Xiao-Ling Xue, Fabrication of single crystalline WO3 nano-belts based photoelectricgas sensor for detection of high concentration ethanol gas at roomtemperature, Sensors and Actuators A 303 (2020) 111865. (SCI)
* Hua-Liang Yu, Yin-Wu Zhou, Li-Qin Liu, Mei-Yu Zhang, Jian-Bin Wang, Xi-Yao Chen, Jun Wang, Yao-Guo Shen, Biao Zheng, Bi Zhou, Simple development of Kelvin probe using a pA meter and its application to study the photocatalytic activities of Ag/TiO2 and Ag2O/TiO2 coated polyester fabrics, Applied Surface Science 535 (2021) 147653-1-147653-13. (SCI)
* Hua-Liang Yu, Ying-Wu Zhou, Xiao-Ling Xue, Li-Qin Liu, Jin-Quan Hong, Zhi-Qun Liu, Hua-Min Chen, Yao-Guo Shen, Biao Zheng, and Jun Wang. Ag-Modified ZnO Nanorod Array Fabricated on Polyester Fabric and Its Enhanced Visible-Light Photocatalytic Performance by a Built-in Electric Field and Plasmonic Effect. ACS Omega 2021, 6, 14078−14089. (SCI)
* Chunlei Huang**#**, Shaoping Jiang, Fangxia Kou, Minting Guo, Shuang Li, Genjian Yu, Biao Zheng, Fengyan Xie, Cheng Zhang, Hualiang Yu**#**, Jun Wang**#**, Development of jellyfish-like ZnO@Ag substrate for sensitive SERS detection of melamine in milk, Applied Surface Science 600 (2022) 154153. (SCI)
* Hua-Liang Yu, Li-Qin Liua, Ying-Wu Zhoua, Xiao-Ling Xuea, Xiao-Hong Yuan, Yao-Guo Shen, Zhi-Qun Liu, Hua-Min Chen, Chun-lei Huang, Photocatalysis performance enhancement of Ag2O/Al-doped ZnO heterojunction by introducing ZnO nanorod array, Ceramics International 49 (2023) 10513–10524. (SCI)
* 科研项目
* 福建省自然科学基金项目，2017J01770，GaAs量子阱中自旋霍尔效应产生机制及自旋输运动力学的高空间分辨KERR旋转谱研究，2017-04至2020-04，7万，已结题、主持；
* 福建省自然科学基金项目，2020J01838，纳米光催化材料的Cu/ZnO纳米线/N掺杂ZnO异质结和Cu表面等离子体热点构建及其作用机理研究， 2020-1至2023-12，7万，在研、主持。
* Email：2101@mju.edu.cn