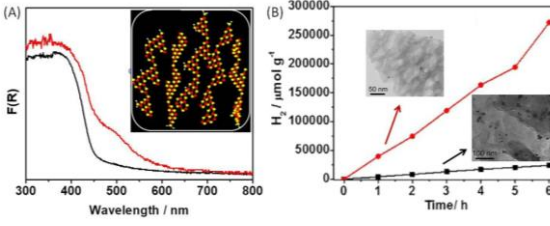
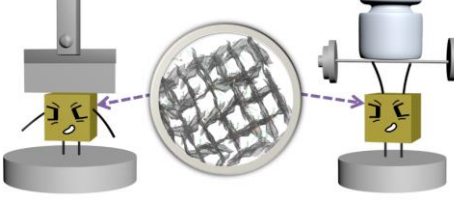
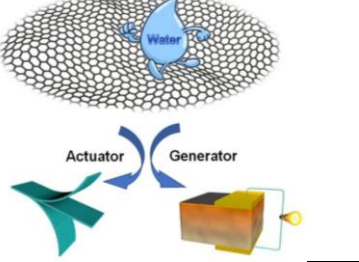
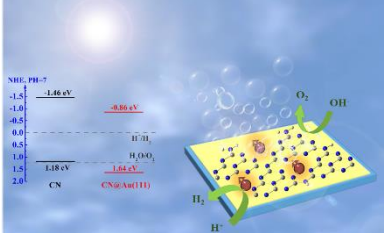
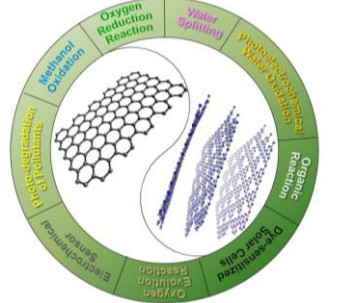
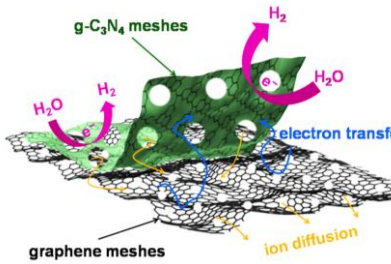



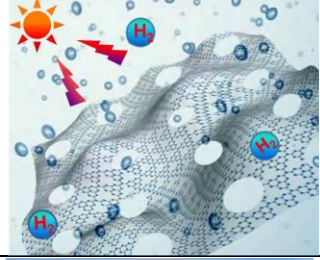
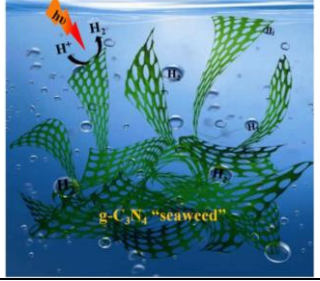
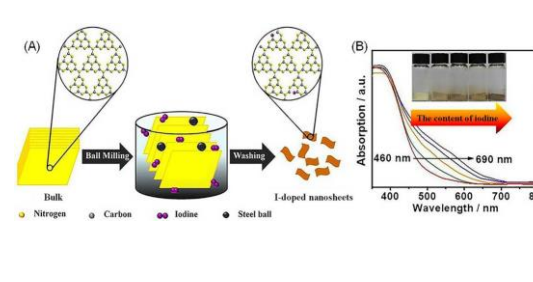
<u>基本信息</u>	
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2.	能源转化材料与器件
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2.	国家自然科学基金面上项目
3.	北京市自然科学基金（青年项目）
4.	北京理工大学科技创新计划创新人才科技资助专项计划
<u>研究成果</u>	
<p>主持国家自然科学基金项目 2 项、北京市自然科学基金项目 1 项。迄今在 <i>Angew. Chem. Int. Ed.</i>, <i>Nat. Commun.</i>, <i>ACS Nano</i>, <i>Adv. Funct. Mater.</i>, <i>Mater. Horiz.</i>, <i>Small</i>, <i>Small Methods</i> 等国际知名期刊发表 SCI 学术论文 30 余篇，论文他引 2000 余次。其中 ESI 高被引论文 2 篇，ESI 收录热点论文 1 篇，单篇论文最高</p>	

他引 500 余次。获授权专利 1 项。

代表性论文

1.	<p>C. B. Wu, G. H. Yu, Y. Yin, Z. Y. Wang, L. Chen, Q. Han*, J. W. Tang, B. Wang*. Mesoporous Polymeric Cyanamide-Triazole-Heptazine Photocatalysts for Highly-Efficient Water Splitting. <i>Small</i>, 2020, DOI:10.1002/sml.201801916.</p>	
2.	<p>Z. F. Zhang, C. T. Qiu, Y. S. Xu, Q. Han, J. W. Tang, K. P. Loh, C. L. Su*. Semiconductor photocatalysis to engineering deuterated N-alkyl pharmaceuticals enabled by synergistic activation of water and alkanols. <i>Nat. Commun.</i>, 2020, doi:10.1038/s41467-020-18458-w.</p>	
3.	<p>L. Chen, Y. Z. Wang, C. B. Wu, G. H. Yu, C. L. Su, J. J. Xie, Q. Han*, L. T. Qu, Synergistic Oxygen Substitution and Heterostructure Construction in Polymeric Semiconductors for Efficient Water Splitting. <i>Nanoscale</i>, 2020, 12, 13484–13490.</p>	
4.	<p>Y. Z. Wang, R. Y. Xu, L. W. Chen, C. B. Wu, L. Qiu, C. D. Windle, Q. Han*, L. T. Qu, Hierarchical ZnO@Hybrid Carbon Core-Shell Nanowire Array on a Graphene Fiber Microelectrode for Ultrasensitive Detection of 2,4,6-Trinitrotoluene. <i>ACS Appl. Mater. Interfaces</i>, 2020, 12, 8547–8554.</p>	
5.	<p>Liwei Chen, Xiaoteng Ding, Jinfeng Zeng, Chongbei Wu, Qing Han*, Liangti Qu. A Three-Dimensional Hollow Graphene Fiber Microelectrode with Shrink-Effect-Enabled Enzyme Immobilization for Sensor Applications. <i>Sci. Bull.</i>, 2019, 54, 718–722.</p>	

6	<p>Q. Han*, Z. H. Cheng, B. Wang, H. M. Zhang, L. T. Qu*. Significant Enhancement of Visible-Light-Driven Hydrogen Evolution by Structure Regulation of Carbon Nitrides. <i>ACS Nano</i>, 2018, 12, 5221–5227.</p>	
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8	<p>T. Xu, Q. Han*, Z. H. Cheng, J. Zhang, and L. T. Qu*. Interactions between Graphene-Based Materials and Water Molecules toward Actuator and Electricity-Generator Applications. <i>Small Methods</i>, 2018, 1800108.</p>	
9	<p>J. X. Bai, B. Lu, Q. Han*, Q. S. Li,* and L. T. Qu*. (111) Facets-Oriented Au-Decorated Carbon Nitride Nanoplatelets for Visible-Light-Driven Overall Water Splitting. <i>ACS Appl. Mater. Interfaces</i>, 2018, 38066.</p>	
10	<p>Q. Han*, N. Chen, J. Zhang, and L. T. Qu*. Graphene/Graphitic Carbon Nitride Hybrids for Catalysis. <i>Mater. Horiz.</i>, 2017, 4, 832–850.</p>	
11	<p>Q. Han, Z. H. Cheng, J. Gao, Y. Zhao, L. M. Dai, and L. T. Qu*. Mesh-on-mesh Graphitic-C₃N₄@Graphene for Highly Efficient Hydrogen Evolution. <i>Adv. Funct. Mater.</i>, 2017, 27, 1606352.</p>	

12	<p>Q. Han, B. Wang, J. Gao, and L. T. Qu*. Graphitic Carbon Nitride/Nitrogen-Rich Carbon Nanofibers: Highly Efficient Photocatalytic Hydrogen Evolution without Cocatalysts. <i>Angew. Chem. Int. Ed.</i>, 2016, 55, 10849–10853. (Very Important Paper)</p>	
13	<p>Q. Han, B. Wang, J. Gao, Z. H. Cheng, and L. T. Qu*. Atomically Thin Mesoporous Nanomesh of Graphitic-C₃N₄ for High-Efficiency Photocatalytic Hydrogen Evolution. <i>ACS Nano</i>, 2016, 10, 2745–2751. (Highly Cited Paper in ESI, Hot Paper in ESI, cited over 500 times)</p>	
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15	<p>Q. Han, C. G. Hu, F. Zhao, Y. Zhao, Z. P. Zhang, and L. T. Qu*. One-Step Preparation of Iodine-Doped Graphitic Carbon Nitride Nanosheets as Efficient Photocatalysts for Visible Light Water Splitting. <i>J. Mater. Chem. A</i>, 2015, 3, 4612–4619.</p>	
16	<p>C. Y. Xu[#], Q. Han[#] (co-first author), Y. Zhao, L. T. Qu*. Sulfur-Doped Graphitic Carbon Nitride Decorated with Graphene Quantum Dots for an Efficient Metal-Free Electrocatalyst. <i>J. Mater. Chem. A</i>, 2015, 3, 1841–1846.</p>	