



首页

学院概况

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招生培养

对外交流

学生活动

师资队伍

教授、研究员

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教育与工作经历

2002.09-2006.06 江南大学 学士

2006.09-2009.06 中国科学技术大学 硕士

2009.10-2013.09 日本北海道大学 博士

2013.10-2015.10 日本北海道大学 博士后

2015.10-2017.12 日本北海道大学 特聘助理教授

2018.03-至今 华南理工大学 教授

科研方向

软物质材料（水凝胶、弹性体）的韧性、自修复和形状记忆等性能设计；材料在变形过程中的结构演化及其破坏机理研究。

主要业绩

在Nature Materials, Macromolecules, Soft Matter 等国际主流期刊上发表学术论文23篇，被引用近500次，并获批国际专利1项，日本专利2项。

代表性著作

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- 2.Tao Lin Sun, Kunpeng Cui, Jian Ping Gong*, Tough, self-recovery and self-healing polyampholyte hydrogels, *Polymer Science Ser. C*, 56 (1), 97-103, 2017.
- 3.Tao Lin Sun*, Feng Luo, Wei Hong, Kunpeng Cui, Yiwan Huang, Hui Jie Zhang, Daniel R. King, Takayuki Kurokawa, Tasuku Nakajima, Jian Ping Gong*. "Bulk energy dissipation mechanism for the fracture of tough and self-healing hydrogels", *Macromolecules*, 50, 2923-2931, 2017.
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- 10.Feng Luo, Tao Lin Sun, Tasuku Nakajima, Daniel R. King, Takayuki Kurokawa, Yu Zhao, Abu Bin Ihsan, Xufeng Li, Honglei Guo, Jian Ping Gong*. Strong and tough polyion-complex hydrogels from oppositely charged polyelectrolytes: a comparative study with polyampholyte hydrogels, *Macromolecules*, 49(7), 2750-2760, 2016.
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- 16.Feng Luo†, Tao Lin Sun†, Tasuku Nakajima, Takayuki Kurokawa, Yu Zhao, Abu Bin Ihsan, Hong Lei Guo, Xu Feng Li, and Jian Ping Gong*. "Crack blunting and advancing behaviors of tough and self-healing polyampholyte hydrogel", *Macromolecules*, 47(17), 6037-6046, 2014.
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