

<u>基本信息</u>		
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系/研究所	有机化学和高分子化学研究所	
<u>教育背景</u>		
2007.08-2012.09	美国罗格斯大学，化学，理学博士	
2004.09-2007.07	南开大学，化学，理学硕士	
1997.09-2001.07	三峡大学，化学，理学学士	
<u>工作经历</u>		
2016.09-至今	北京理工大学化学与化工学院，教授	
2014.01-2016.08	麻省理工学院，材料科学与工程系，博士后	
2012.09-2013.09	芝加哥大学，化学系，博士后	
2001.09-2004.07	高中教师	
<u>研究方向</u>		
1.	手性有机硼发光材料	
2.	智能传感及仿生材料	
3.	功能性软物质	
4.	有机硼光电转换材料和器件	
<u>荣誉奖励</u>		
1.	国家高层次海外引进人才	
2.	北京理工大学特立青年学者	
<u>承担项目</u>		
1.	中组部/北京理工大学海外高层次人才启动	
2.	国家自然科学基金面上项目	

研究成果

主持国家自然科学基金面上项目 1 项。迄今, 30 余篇 SCI 论文已被 JACS、Angewandte Chemie、Chemical Science 等顶级刊物收录发表。多项成果入选为“VIP”、编辑社论, 并收到多家学术媒体的系列报道, 包括 *C&E News* (3 次)、*JACS Spotlights*、*JACS Selects*、*Angewandte Highlights*、*Inorg. Chem. Editorial*、*Chemistry Views*、*MIT News*、*Energy Futures* 及 20 余次门户网站报道。

代表性论文

1.	J. F. Chen, X. Yin, B. W. Wang, K. Zhang, G. Y. Meng, S. H. Zhang, Y. F. Shi, N. Wang, S. Wang and P. Chen* . Planar Chiral Organoboranes with Thermoresponsive Emission and Circularly Polarized Luminescence: Integration of Pillar[5]arenes with Boron Chemistry. <i>Angew. Chem. Int. Ed.</i> 2020 , 59, 11267-11272.
2.	G. Q. Ji, N. Wang, X. Yin and P. Chen* . Substituent Effect Induces Emission Modulation of Stilbene Photoswitches by Spatial Tuning the N/B Electronic Constraints. <i>Org. Lett.</i> 2020 , 22, 5758-5762.
3.	J. F. Chen, G. Y. Meng, Q. Zhu, S. H. Zhang, P. Chen* . Pillar[5]arenes: a New Class of AIEgen Macrocycles Used for Luminescence Sensing of Fe ³⁺ Ion. <i>J. Mater. Chem. C.</i> 2019 , 7, 11747-11751.
4.	Q. Zhu, S. Wang and P. Chen* . Diazocine Derivatives: A Family of Azobenzenes for Photochromism with Highly Enhanced Turn-On Fluorescence. <i>Org. Lett.</i> 2019 , 21, 4025-4029.
5.	J. F. Chen, P. Chen* . Pillar[5]arene-Based Resilient Supramolecular Gel with Dual-Stimuli Responses and Self-Healing Properties. <i>ACS Appl. Polym. Mater.</i> 2019 , 1, 2224-2229.
6.	C.J. Sun, N. Wang, T. Peng, X. Yin, S. Wang, and P. Chen* . BN Functionalized Benzotrithiophene-Based Azaborines: Synthesis, Structures and Anion Binding Properties. <i>Inorg. Chem.</i> 2019 , 58, 3591-3595.
7.	Y. Shi, S. K. Møllerup, K. Yuan, G. Hu, F. Sauriol, T. Peng, N. Wang*, P. Chen* , S. Wang*. Stabilising fleeting intermediates of stilbene photocyclization with amino-borane functionalization: the rare isolation of persistent dihydrophenanthrenes and their [1,5]H-shift isomers. <i>Chem. Sci.</i> 2018 , 9, 3844-3855.
8.	Q.G. Hou, L.J. Liu, S.K. Møllerup, N. Wang, T. Peng, P. Chen* , and S. Wang*. Stimuli-responsive B/N Lewis Pairs Based on the Modulation of B-N Bond Strength. <i>Org. Lett.</i> 2018 , 20, 6467-6470.
9.	Pangkuan Chen , Qiaochu Li, Scott Grindy, and Niels Holten-Andersen*. White-Light-Emitting Lanthanide Metallogels with Tunable Luminescence and Reversible Stimuli-Responsive Properties. <i>J. Am. Chem. Soc.</i> 2015 , 137, 11590-11593.

	(Highly Cited Paper; Highlighted by C&E News)
10.	Pangkuan Chen , Xiaodong Yin, Nurcan Baser-Kirazli and Frieder Jäkle*. Versatile Design Principles for Facile Access to Unstrained Conjugated Organoborane Macrocycles. <i>Angew. Chem. Int. Ed.</i> 2015 , <i>54</i> , 10768-10772.
11.	Pangkuan Chen , N. Holten-Andersen*, Multistimuli-responsive white luminescent fluids using hybrid lanthanide metal-coordinate complex probes. <i>Adv. Opt. Mater.</i> 2015 , <i>3</i> , 1041-1046.
12.	Pangkuan Chen , A. S. Marshall, S. Chi, X. Yin, J. W. Perry*, F. Jäkle*, Luminescent quadrupolar borazine oligomers: synthesis, photophysics and two-photon absorption properties. <i>Chem. -Eur. J.</i> 2015 , <i>21</i> , 18237-18247.
13.	Pangkuan Chen , Roger A. Lalancette, and Frieder Jäkle*. π -Expanded Borazines: An Ambipolar Conjugated B- π -N Macrocycle. <i>Angew. Chem. Int. Ed.</i> 2012 , <i>51</i> , 7994-7998. (Highlighted by C&E News)
14.	Pangkuan Chen , and Frieder Jäkle*. Highly Luminescent Electron-Deficient Boracyclophanes. <i>J. Am. Chem. Soc.</i> 2011 , <i>133</i> , 20142-20145. (Highlighted by C&E News; JACS Spotlights; JACS Selects; VIP ; Angewandte Highlights)
15.	Pangkuan Chen , Roger A. Lalancette, and Frieder Jäkle*. Applying the Oligomer Approach to Luminescent Conjugated Organoboranes. <i>J. Am. Chem. Soc.</i> 2011 , <i>133</i> , 8802-8805.