梁立军

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◆ 个人情况

籍　　贯：浙江绍兴	性　　别：男
出生年月：1987.10	政治面貌：中共党员

◆ 学习与工作经历

2011.9– 2014.12	瑞典皇家理工学院，化学与生物系，博士，导师：Hans Ågren
2009.9 – 2014.6	浙江大学，化学系，理学博士，导师：王琦
2005.9 –2009.8	浙江大学，药学院，理学学士

◆ 专业技术

分子动力学模拟	熟练使用 Gromacs，NAMD 等软件
量子化学	熟练使用 Gaussian，Material Studio，VASP 等软件
程序语言	熟练使用 Fortran， Tcl/Tk，熟悉 python 以及 C++语言
有机合成	熟悉常用化合物的合成方法
药理实验	熟练操作细胞培养，Western Blot 等实验

熟练操作 Linux 系统，安装各类常用计算软件 (Gaussian09, NAMD, Gromacs, VASP 等)，能够构建高效计算机集群。

◆ 发表论文

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2. Zhang, J., Li, D., Sun, T., **Liang, Lijun***, Wang, Q. Interaction of P-glycoprotein with anti-tumor drugs: the site, gate and pathway. *Soft matter*, 2015，11(33), 6633-6641. (1区， IF=4.027)
3. **Liang, Lijun***., Shen, Jia Wei., Zhang, Zhisen, Wang, Qi.. DNA sequencing by two-dimensional materials: As theoretical modeling meets experiments. *Biosensors and Bioelectronics.*，2015，j.bios.2015.12.037. (1区， IF=6.67)
4. Li D, Hu W, Zhang Junqiao, Qu Chen, **Lijun Liang***, Qi Wang. Separation of Hydrogen Gas from Coal Gas by Graphene Nanopores. *The Journal of Physical Chemistry C*, 2015, 119(45):

25559-25565. (2 区， IF=4.772)

5. Yu Kang. Zhisen Zhang, Hui Shi, Junqiao Zhang, **Lijun Liang***, Qi Wang*, Hans Agren and Yaoquan Tu. Na^+ and K^+ ion selectivity by size-controlled biomimetic graphene nanopores. *Nanoscale*, 2014, 6,10666–10672. (1 区, IF= 6.739).
6. Zhisen Zhang, Jiawei Shen, Hongbo Wang, Qi Wang*, Junqiao Zhang, **Lijun Liang***, Hans Agren, and Yaoquan Tu. Effects of Graphene nanopore Geometry on DNA sequencing. *Journal of Physical Chemical Letter*, 2014, 5, 1602-1607. (2 区, IF=6.687).
7. **Li-jun Liang**, Zhisen Zhang, Jiawei Shen, Kong Zhe, Qi Wang*, Tao Wu, Hans Ågren, and Yaoquan Tu. Theoretical insight into dynamics of DNA fragment translocation through multilayer graphene nanopores. *RSC Advances*, 2014, 4, 50494-50502. (3 区, IF=3.708)
8. **Li-jun Liang**, Qi Wang*, Hans Argen and Yaoquan Tu. Computational studies of DNA sequencing with solid-state nanopores: key issues and future prospects. *Frontiers in Chemistry* 2014, 2: 5.
9. **Li-jun Liang**, Qi Wang*, Tao Wu, Tian-Yang Sun, and Yu Kang. Contribution of water molecules in the spontaneous release of protein by graphene sheets. *Chemphyschem*, 2013, 14(13): 2902-2909. (2 区, IF=3.36)
10. **Li-jun Liang**, Tao Wu*, Yu Kang and Qi Wang*. Dispersion of Graphene Sheets in Aqueous Solution by Oligodeoxynucleotides. *Chemphyschem*, 2013, 14(8): 1626-1632. (2 区, IF=3.36)
11. **Li-jun Liang**, Peng Cui, Qi Wang*, Tao Wu, Hans Argen and Yaoquan Tu. Theoretical study on key factors in DNA sequencing with graphene nanopores. *RSC Advances*, 2013, 3: 2445. (3 区, IF=3.708)
12. **Li-jun Liang**, Qi Wang*, Tao Wu, Jia-wei Shen, Yu Kang. Molecular dynamics simulation on stability of insulin on graphene. *Chinese Journal of Chemical Physics*, 2009, 22(6): 627-634. (4 区, IF=0.72)
13. Tian-Yang Sun, **Li-Jun Liang**, Qi Wang*, Aatto Laaksonen and Tao Wu*. A molecular dynamics study on pH response of protein adsorbed on peptide-modified polyvinyl alcohol hydrogel. *Biomaterials Science*, 2014, 2(3): 419-426.
14. Zhisen Zhang, Yu Kang, **Li-Jun Liang**, Ying-Chun Liu*, Tao Wu and Qi Wang*. Peptide encapsulation regulated by the geometry of carbon nanotubes. *Biomaterials*, 2014, 35(5): 1771-1778. (1 区, IF= 8.312).
15. Junqiao Zhang, Tianyang Sun, **Lijun Liang**, Tao Wu and Qi Wang*. Drug promiscuity of P-glycoprotein and its mechanism of interaction with paclitaxel and doxorubicin. *Soft Matter*, 2014, 10(3): 438-445. (1 区, IF= 4.151).
16. Er-Yu Chen, Ying-Chun Liu*, Tian-Yang Sun, Qi Wang*, **Li-Jun Liang**. Effects of Substituent Groups and Central Metal Ion on Hydrogen Adsorption in Zeolitic Imidazolate Frameworks. *Chemical Engineering Science*, 2013, 97: 60-66. (2 区, IF=2.613).