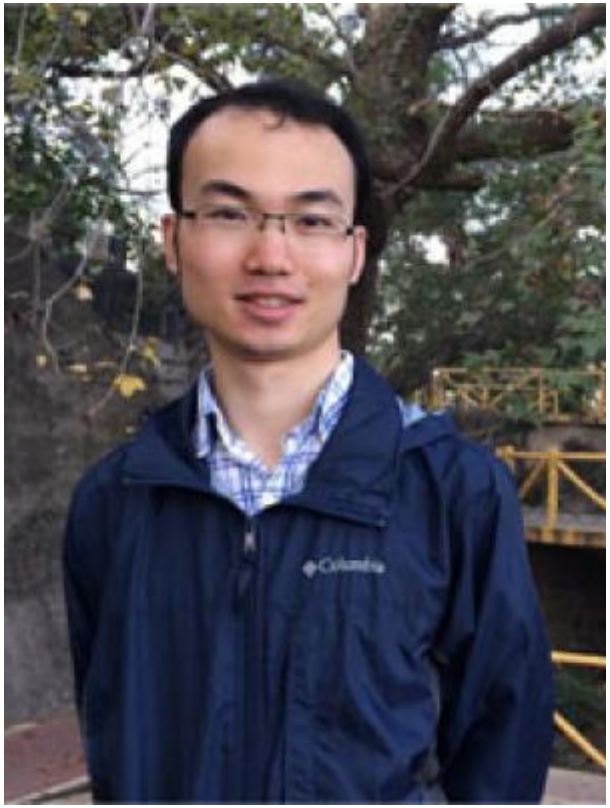
中山大學 化学学院
SUN YAT-SEN UNIVERSITY School of Chemistry



夏炜

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基本情况

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性别：男

出生年月：1984-09

籍贯：江西景德镇

职位：2014年中山大学“百人计划”引进人才、副教授、硕士生导师

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教育经历

2002年09月—2006年07月 北京大学生命科学学院，生物科学专业，获学士学位；

2006年11月—2011年11月 香港大学化学系，化学生物学专业， 获博士学位。

工作经历

2011年9月—2014年10月 哈佛大学医学院/波士顿儿童医院，博士后；

2014年11月至今 中山大学化学与化学工程学院，副教授，硕士生导师。

讲授课程

化学生物学导论，配位化学（研究生），普通化学实验，有机化学实验

科研方向

生物无机化学方向：金属抗菌、抗癌药物设计合成及作用机理研究；小分子药物靶点结构生物学研究。

科研项目

获奖情况

论著一览

参与撰写书章节：

1. “Nickel Metallochaperones: Structure, Function and Nickel-binding Properties.” W Xia*, H Li, H Sun*, The Biological Chemistry of Nickel; The Royal Society of Chemistry: 2017; pp 284-

305.

2. “Competition for Iron between Host and Pathogen: A Case Study on Helicobacter pylori.” W. Xia*, Methods Mol. Biol., 2017, 1535, 65-75

综述:

1. “Exploration into the nickel ‘Microcosmos’ in prokaryotes” T. Cheng, H. Li, W. Xia, L. Jin and H. Sun*, Coord. Chem. Rev., 2016, 311, 24-37.

发表文章 (*通讯作者）：

2017年:

4. “Bismuth-induced Inactivation of Ferric Uptake Regulator from Helicobacter pylori.” X He, X Liao, H Li, W Xia*, H Sun*, Inorg. Chem., 2017, 56, 15041-15048

3. “Targeting the Thioredoxin Reductase-Thioredoxin System from Staphylococcus aureus by Silver Ions.” X Liao, F Yang, H Li, PK So, Z Yao, YT, W Xia*, H Sun*, Inorg. Chem., 2017, 56, 14823-14830

2. “Identification of Catabolite Control Protein A from Staphylococcus aureus as a Target of Silver Ions.” X Liao, F Yang, R Wang, X He, H Li, YT Richard, W Xia*, H Sun*, Chem. Sci., 2017, 8, 8061-8066

1. “Integrative approach for the analysis of the proteome-wide response to bismuth drugs in Helicobacter pylori” Y Wang, L Hu, F Xu, Q Quan, YT Lai, W Xia, Y Yang, YY Chang, X Yang, Z Chai, J Wang, IK Chu, H Li, H Sun*, Chem. Sci., 2017, 8, 4626-4633

博士、博士后期间发表文章:

11. “Relating conformation to function in integrin α5β1.” Y. Su#, W. Xia#, J. Li, T. Walz, M. J. Humphries, D. Vestweber, C. Cabanas, C. Lu and T. A. Springer*, Proc. Natl. Acad. Sci. USA,

2016, 113, E3872-3881. (#: Co-first authors)

10. “Metal ion and ligand binding of integrin α5β1.” W. Xia and T. A. Springer*, Proc. Natl. Acad. Sci. USA, 2014, 111, 17863-17868.

9. “Functional disruption of HypB, a GTPase of Helicobacter pylori by bismuth.” W. Xia, H. Li and H. Sun*, Chem. Commun., 2014, 50, 1611-1614.

8. “Histidine-rich Proteins in Prokaryotes: Metal Homeostasis and Environmental Habitat-related Occurrence.” T. Cheng#, W. Xia#, P. Wang, F. Huang, J. Wang and H. Sun*, Metallomics, 2013, 5, 1423-1429. (#: Co-first authors)

7. “Metallo-GTPase HypB from Helicobacter pylori and Its Interaction with Nickel Chaperone Protein HypA.” W. Xia, H. Li, X. Yang, K.-B. Wong and H. Sun*, J. Biol. Chem., 2012, 287, 6753-6763.

6. “Structure of a Nickel Chaperone, HypA, from Helicobacter pylori Reveals Two Distinct Metal Binding Sites.” W. Xia, H. Li, K.-H. Sze and H. Sun*, J. Am. Chem. Soc., 2009, 131, 10031-10040.

5."Conformational equilibria and intrinsic affinities define integrin activation" J. Li, Y. Su, W. Xia, Y. Qin, M.J. Humphries, D. Vestweber, C. Cabañas, C. Lu, T. A. Springer*, EMBO J., 2017, 2017, 36, 629-645

4. “Nickel translocation between metallochaperones HypA and UreE in Helicobacter pylori.” X. Yang, H. Li, T. Cheng, W. Xia, Y.-T. T. Lai and H. Sun*, Metallomics, 2014, 6, 1731-1736.

3. “Interaction of SlyD with HypB of Helicobacter pylori facilitates nickel trafficking.” T. Cheng, H. Li, X. Yang, W. Xia and H. Sun*, Metallomics, 2013, 5, 804-807.

10. “Multifaceted SlyD from Helicobacter pylori: implication in [NiFe] hydrogenase maturation.” T. Cheng, H. Li, W. Xia and H. Sun*, J. Biol. Inorg. Chem., 2011, 17, 331-343.

2. “Solution structure of GSP13 from Bacillus subtilis exhibits an S1 domain related to cold shock proteins.” W. Yu, J. Hu, B. Yu, W. Xia, C. Jin and B. Xia*, J. Biomol. NMR, 2009, 43, 255-259.

1. “1H, 13C, and 15N resonance assignments of a general stress protein GSP13 from Bacillus subtilis.” W. Yu, B. Yu, J. Hu, W. Xia, C. Jin and B. Xia*, Biomo.l NMR Assign., 2008, 2, 163-165.

相关成果

暂无资料