

Tianqiong Ma

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Education

Sep. 2011 – Jun. 2018	Ph. D. in Organic Chemistry	Lanzhou University, China Advisor: Prof. Wei Wang
Sep. 2006 – Jun. 2010	B. S. in Materials Chemistry	Lanzhou University, China

Research Experience

Jun. 2019 – Present	Postdoctor	in Prof. Omar M. Yaghi Group University of California, Berkeley, US
Aug. 2018 – May 2019	Postdoctor/Research Assistant	in Prof. Junliang Sun Group Peking University, China
Mar. 2017 – Dec. 2017	Exchange Ph. D. Student	in Prof. Junliang Sun Group Peking University, China
Mar. 2009 – Sep. 2009	Undergraduate Research Assistant	in Prof. Yong-Qiang Tu Group Lanzhou University, China

Teaching Experience

Aug. 2010 – Jun. 2011	Yuzhong County Second Middle School	Yuzhong, China
● English classes for students of senior high school		Aug. 2010 – Jan. 2011
● Chemistry classes for students of senior high school		Feb. 2011 – Jun. 2011

Research Publications

- [1] **T. Ma**, E. A. Kapustin, S. X. Yin, L. Liang, Z. Zhou, J. Niu, L.-H. Li., Y. Wang, J. Su, J. Li, X. Wang, W. D. Wang, W. Wang*, J. Sun*, O. M. Yaghi*, Single-crystal X-ray diffraction structures of covalent organic frameworks, *Science*, **2018**, *361*, 48–52. (Highlighted by *Science* and *C&EN*)
- [2] **T. Ma**, J. Li, J. Niu, L. Zhang, A. Etman, C. Lin, D. Shi, P. Chen, L.-H. Li, X. Du, J. Sun*, W. Wang*, Observation of interpenetration isomerism in covalent organic frameworks, *J. Am. Chem. Soc.*, **2018**, *140*, 6763–6766.
- [3] Y. Zhang*, L. Luo, J. Ge, S.-Q. Yan, Y.-X. Peng, Y.-R. Liu, J.-X. Liu, C. Liu*, **T. Ma***, H.-Q. Luo “On water” direct organocatalytic cyanoarylmethylation of isatins for the diastereoselective synthesis of 3-hydroxy-3-cyanomethyl oxindoles, *J. Org. Chem.*, **2019**, *84*, 4000-4008.
- [4] C. Wang*, C. Gao, J. Li, S. Yin, G. Lin, **T. Ma**, Y. Meng, J. Sun, Isostructural 3D Covalent Organic Frameworks, *Angew. Chem. Int. Ed.*, **2019**, *accepted*, <https://doi.org/10.1002/anie.201905591>.
- [5] D. Shi, L. Xu*, P. Chen, **T. Ma**, C. Lin, X. Wang, D. Xu, J. Sun*, Hydroxyl free radical route to the stable siliceous Ti-UTL with extra-large pores for oxidative desulfurization, *Chem. Commun.*, **2019**, *55*, 1390-1393.
- [6] C. Lin, F. Pan, J. Li, Y. Chen, D. Shi, **T. Ma**, Y. Yang, X. Du, W. Wang, F. Liao, J. Lin, T. Yang, J.

Sun*, An open-framework aluminophosphite with face-sharing AlO_6 octahedra dimers and extra-large 14-ring channels, *Cryst. Growth & Des.*, **2018**, *18*, 1267-1271.

[7] F. Li, Y. Liu, **T. Ma**, D. Xu, X. Li, G. Gong, Catalysis of the hydrodechlorination of 4-chlorophenol and the reduction of 4-nitrophenol by $\text{Pd/Fe}_3\text{O}_4\text{@C}$, *New J. Chem.*, **2017**, *41*, 4014–4021.

Book Chapter

L. Wang, X. Li, **T. Ma**, F. Li, Y. Liu, G. Gong, InTech Open. Organochlorine, Chapter: Application of Heterogeneous Catalysts in Dechlorination of Chlorophenols, *ISBN: 978-953-51-6738-9*

Patents

[1] W. Wang, **T. Ma**, 2016104677994 (China).

[2] W. Wang, **T. Ma**, 2016104678003 (China).

[3] W. Wang, **T. Ma**, 2016104678056 (China).

Conference

[1] **T. Ma**, J. Sun*, 24th Congress and General Assembly of International Union of Crystallography, Hyderabad, India, 2017. (*Oral*)

[2] **T. Ma**, W. Wang*, 24th Congress and General Assembly of International Union of Crystallography, Hyderabad, India, 2017. (*Oral*).

[3] **T. Ma**, J. Sun*, W. Wang*, 7th Annual Conference of Chinese Crystallography Society (CCrS), Tianjin, China, 2018. (*Oral*)

[4] **T. Ma**, J. Sun*, W. Wang*, Inorganic Solid Chemistry Forum in Peking University, Beijing, China, 2018. (*Poster*)

Referees

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