Xile Hu (胡喜乐) – Short CV

Date of Birth: August 7, 1978
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Academic position

June **2016** – present, Full Professor of Chemistry, École Polytechnique Fédérale de Lausanne, Switzerland.
January **2013** – May **2016**, Associate Professor of Chemistry, EPFL.
July **2007** – December **2012**, Assistant Professor of Chemistry, EPFL.

Education

Postdoc., California Institute of Technology, USA, February **2005** – June **2007**.
Advisor: Prof. Jonas C. Peters
Ph.D. in Chemistry, University of California, San Diego, USA, December **2004**.
Advisor: Prof. Karsten Meyer
B.S. in Chemistry, Peking University, Beijing, P. R. China, June **2000**.
Advisor: Prof. Jianhua Lin

Awards and honors (from independent career)

2019 Royal Society of Chemistry Homogeneous Catalysis Award
2018 Resonate Award, Caltech
2017 National Latsis Prize, Swiss National Science Foundation and the Latsis Foundation
2017, 18 Highly Cited Researcher (Web of Science, Clarivate Analytics)
2017 Tajima Prize, International Society of Electrochemistry
2017 *Organic Letters* Outstanding Publication of the Year Lectureship Award, ACS
2016,18 European Research Council (ERC) Proof-of-Concept Grant
2016 Bau Family Award in Inorganic Chemistry
2015 European Research Council (ERC) Consolidator Grant
2015 Outstanding Reviewer Award, Wiley-VCH, ChemPubSoc Europe, ACES
2015 Young Researcher Award, European Federation of Catalysis Societies
2014 Fellow, Royal Society of Chemistry (UK)
2014 European Medal for Bio-Inorganic Chemistry (Eurobic Medal)
2014 *Organometallics* Young Investigator Fellow, American Chemical Society
2014 Rising Star, International Conference on Coordination Chemistry
2013 *Chemical Society Reviews* Emerging Investigator Lectureship, RSC
2012 Member, Young Academy of Europe
2012 Extraordinary Young Scientist, World Economic Forum
2012 EuCheMS Organic Division Young Investigator
2011 Werner Prize, Swiss Chemical Society
2011 Thieme Chemistry Journal Award
2010 European Research Council (ERC) Starting Grant
2010 Finalist, European Young Chemist Award, EuCheMS Congress
2010 JSP Fellowship, Bürgenstock Conference

Invited professorship

2019, State Key Laboratory of Metal Matrix Composites, Shanghai Jiaotong University
2016, University of Paris Diderot
2016, GIAN Fellowship, Indian Institute of Technology Kanpur

05. 2019

Teaching activity

Coordination chemistry (Bachelor level), Bioinorganic chemistry (Bachelor level)
Catalysis for energy storage (Master level)
Frontier in chemical synthesis – towards sustainable chemistry (Ph.D. level)
Frontier in organic synthesis – synthesis of carbo- and hetero-cycles (Ph.D. level)
Frontier in organic synthesis – stereochemistry (Ph.D. level)

Professional activity

Editorial Advisory Board, *Chemical Communications* (RSC), 2012 –
Editorial Board, *Inorganic Chemistry Frontiers* (RSC), 2013 –
International Advisory Board, *Chemistry, An Asian Journal* (Wiley), 2013 –
Editorial Advisory Board, *ACS Catalysis*, 2014 – 2018
Management Committee, European Cooperation (COST) Action: CM 1003, 2012 – 2016; CM1205, 2013 – 2017.
Organizer or member of organizing committee for: *CUSO Summer School 2009 - chemistry for a sustainable world; Fall meeting of the Swiss Chemical Society 2013; Annual meeting of the international society of electrochemistry 2014; Vice Chair, Gordon Research Conference Renewable Energies, Solar Fuels, 2018; International Conference of Biological Inorganic Chemistry, 2019.*

Invited talks

Total number of invited talks: > **120**, including **17** plenary and keynote lectures.

Publications

Total number of publications: **134**; total citations: about **16000**; H-index: **61** (google scholar, January 2019).

Ten selected recent publications:

01. Cheung, C. W.; Ma, J.-A.; Hu, X.L*, **Manganese-Mediated Reductive Transamidation of Tertiary Amides with Nitroarenes**. Journal of the American Chemical Society **2018,** *140*, 6789-6792.
02. Mao, R.; Frey, A.; Balon, J.; Hu, X.L*, **Decarboxylative C(sp3)–N cross-coupling via synergetic photoredox and copper catalysis**. Nature Catalysis **2018,** *1*, 120-126.
03. Gu, J.; Héroguel, F.; Luterbacher, J.; Hu, X., **Densely Packed, Ultra Small SnO Nanoparticles for Enhanced Activity and Selectivity in Electrochemical CO_2 Reduction**. Angewandte Chemie International Edition **2018,** *57* (11), 2943-2947.
04. Cheung, C. W.; Ploeger, M. L.; Hu, X., **Direct amidation of esters with nitroarenes**. Nature Communications **2017,** *8*, 14878.
05. Xu, T.; Wodrich, M. D.; Scopelliti, R.; Corminboeuf, C.; Hu, X. L., **Nickel pincer model of the active site of lactate racemase involves ligand participation in hydride transfer**. Proceedings of the National Academy of Sciences **2017,** *114.* 1242.
06. Buslov, I.; Song, F.; Hu, X. L.* **An Easily Accessed Nickel Nanoparticle Catalyst for Alkene Hydrosilylation with Tertiary Silanes** Angewandte Chemie International Edition 2016, 55, 12295-12299.
07. Xu, X.; Song, F.*; Hu, X. L.* **A nickel iron diselenide-derived efficient oxygen-evolution catalyst** Nature Communications 2016, 7, 12324.
08. Xu, T.; Yin, C. J. M.; Wodrich, M. D.; Mazza, S.; Schultz, K. M.; Scopelliti, R.; Hu, X. L.* **A Functional Model of Fe -Hydrogenase** Journal of the American Chemical Society 2016, 138, 3270-3273.
09. Morales-Guio, C.G.; Mayer, M.T.; Yella, A.; Tilley, S.D.; Grätzel, M.; **Hu, X.L.* An Optically Transparent Iron Nickel Oxide Catalyst for Solar Water Splitting** *Journal of the American Chemical Society* 2015, *137*, 9927–9936.
10. Shima, S.;* Chen, D.F.; Xu, T.; Wodrich, M.D.; Fujishiro, T.; Schultz, K.M.; Kahnt, J.; Ataka, K.; Hu, X.L.* **Reconstitution of [Fe]-hydrogenase using model complexes.** Nature Chemistry 2015, 7, 995-1002.