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### 简历:

1970年出生于浙江省杭州市,“百人计划”研究员,课题组长; 2006年2月-中国科学院上海有机化学研究所研究员,课题组长; 2003年8月-2005年10月美国加州大学SantaBarbara分校化学系,PostdoctoralFellow; 2002年10月-2003年7月加拿大蒙特利尔大学化学系,PostdoctoralFellow; 1999年12月-2002年8月中国科学院上海有机化学研究所,博士后; 1996年9月-1999年10月浙江大学高分子系,博士,导师:沈之荃院士; 1993年9月-1996年6月杭州大学化学系,硕士,导师:龚钰秋教授; 1989年9月-1993年6月杭州师范学院化学系本科。

### 研究方向:

金属有机化合物,特别是新型稀土金属有机化合物的设计,合成及催化的有机和高分子合成。

### 专家类别:

百人; 研究员

### 职务:

课题组长

### 社会任职:

### 获奖及荣誉:

上海市科技进步一等奖 (排名第三)

### 代表论著:

- 1.Yingdong Lv, Xin Xu, **Yaofeng Chen**,\* Xuebing Leng, Maxim V. Borzov “Well-defined Soluble P<sup>3-</sup> Containing Rare-earth Metal Compounds” *Angew. Chem. Int. Ed. (accepted)*.
- 2.Jiaxiang Chu, Erli Lu, Zhixiao Liu, **Yaofeng Chen**,\* Xuebing Leng, Haibing Song “Reactivity of a Scandium Terminal Imido Complex towards Unsaturated Substrates” *Angew. Chem. Int. Ed.* **2011**, 50, 7677-7680.
- 3.Erli Lu, Jiaxiang Chu, **Yaofeng Chen**,\* Maxim V. Borzov, “The Scandium Terminal Imido Complexes Induced C-H Bond Selenation and the Formation of Sc-Se Bond” *Chem. Commun.* **2011**, 47, 743-745.
- 4.Yuanyuan Yuan, Xiufang Wang, Yuxue Li, Liyan Fan, Xin Xu, **Yaofeng Chen**,\* Guangyu Li, Wei Xia, “Rapid Entry to Functionalized Boratabenzene Complexes Through Metal Induced Hydroboration at Anionic 1-H-Boratabenzene Ligand” *Organometallics* **2011**, 30, 4330-4341.
- 5.Peng Cui, **Yaofeng Chen**,\* Guangyu Li, Wei Xia, “Versatile Reactivities of *ansa*-Heteroborabenzene Divalent Ytterbium Amide toward Alkali-Metal Salts and the Generation of Heterometallic Ytterbium-Alkali-Metal Boratabenzene Complexes” *Organometallics* **2011**, 30, 2012-2017.
- 6.Erli Lu, Wei Gan, **Yaofeng Chen**\* “Monoalkyl and monoanilide yttrium complexes containing tridentate pyridyl-1-azaallyl dianionic ligands” *Dalton Trans.* **2011**, 40, 2366-2374. (Invited for the themed issue entitled “New Talent: Asia”)
- 7.刘智潇, **陈耀峰**,\* “稀土金属有机化学的一个前沿领域: 稀土卡宾化学” *中国科学(化学)*, **2011**, 41, 304-313. (评述)。

8. Erli Lu, Yuxue Li, **Yaofeng Chen**,\* “A Scandium Terminal Imido Complex: Synthesis, Structure and DFT Studies” *Chem. Commun.*, **2010**, 46, 4469-4471. (Front Cover)

9. Yuanyuan Yuan, **Yaofeng Chen**,\* Guangyu Li, Wei Xia, “Synthesis and Structural Features of Boratabenzene Rare-earth Metal Alkyl Complexes” *Organometallics* **2010**, 29, 3722-3728.

10. Xin Xu, **Yaofeng Chen**,\* Jian Feng, Gang Zou, Jie Sun, “Half-sandwich Mono(indenyl) Rare-earth Metal Dialkyl Complexes: Syntheses, Structures and Catalytic Reactivities of (1,3-(SiMe<sub>3</sub>)<sub>2</sub>C<sub>9</sub>H<sub>5</sub>)RE(CH<sub>2</sub>SiMe<sub>3</sub>)<sub>2</sub>(THF)” *Organometallics* **2010**, 29, 549-553.

11. Yangjian Hu, Xin Xu, Yuetao Zhang, **Yaofeng Chen**,\* Eugene Y.-X. Chen,\* “Polymerization of Naturally Renewable Methylene Butyrolactones by Half-Sandwich Indenyl Rare Earth Metal Dialkyls with Exceptional Activity” *Macromolecules* **2010**, 43, 9328-9336.

12. Peng Cui, **Yaofeng Chen**,\* Maxim V. Borzov, “Neodymium(III) Phosphinidene Complexes Supported by Pentamethylcyclopentadienyl and Hydrotris(pyrazolyl)borate Ligands” *Dalton Trans.* **2010**, 39, 6886-6890. (Invited for the themed issue entitled “New Horizons in Organo-f-element Chemistry” )

13. Xin Xu, **Yaofeng Chen**,\* Gang Zou, \* Jie Sun, “Single, Double and Triple Deprotonation of a  $\beta$ -Diketimine Bearing Pendant Pyridyl Group and the Corresponding Rare-earth Metal Complexes” *Dalton Trans.* **2010**, 39, 3952-3958.

14. Erli Lu, Wei Gan, **Yaofeng Chen**\* “Monoalkyllanthanide Complexes with New b-Diketiminato Derivative Dianionic Ligands” *Organometallics* **2009**, 28, 2318.

15. Xin Xu, **Yaofeng Chen**,\* Jie Sun “Indenyl Abstraction vs Alkyl Abstraction of (Indenyl)ScR<sub>2</sub>(THF) by [Ph<sub>3</sub>C][B(C<sub>6</sub>F<sub>5</sub>)<sub>4</sub>]: Aspecific and Syndiospecific Styrene Polymerization” *Chem. Eur. J.* **2009**, 15, 846-850.

16. Peng Cui, **Yaofeng Chen**,\* Guangyu Li, Wei Xia “An *ansa*-Hetero-Borabenzene Divalent Lanthanide Amide via C-H Bond Cleavage” *Angew. Chem. Int. Ed.* **2008**, 47, 9944.

17. Peng Cui, **Yaofeng Chen**,\* Xin Xu, Jie Sun “An Unprecedented Lanthanide Phosphinidene Halide: Synthesis, Structure and Reactivity” *Chem. Commun.* **2008**, 5547.

18. Yuanyuan Yuan, **Yaofeng Chen**,\* Guangyu Li, Wei Xia “Reactions of Boratabenzene Yttrium Complexes with KN(SiMe<sub>3</sub>)<sub>2</sub>: Salt Elimination and p-Ligand Displacement” *Organometallics* **2008**, 27, 6307.

19. Peng Cui, **Yaofeng Chen**,\* Guoping Wang, Guangyu Li, Wei Xia “Divalent Ytterbium Boratabenzene Complex (C<sub>5</sub>H<sub>5</sub>BNPh<sub>2</sub>)<sub>2</sub>Yb(THF)<sub>2</sub>: Synthesis, Structure and Solvent-Mediated Redox Transformation” *Organometallics* **2008**, 4, 4013.

20. Xin Xu, Xiaoyan Xu, **Yaofeng Chen**,\* Jie Sun “Dialkyl lanthanide Metal Complexes Containing New Tridentate Monoanionic Ligands with Nitrogen Donors” *Organometallics* **2008**, 27, 758.

21. Peng Cui, **Yaofeng Chen**,\* Xiaohua Zeng, Jie Sun, Guangyu Li, Wei Xia “Boratabenzene Derivatives of Divalent Samarium: Syntheses, Structures and Catalytic Reactivities of (C<sub>5</sub>H<sub>5</sub>BXPh<sub>2</sub>)<sub>2</sub>Sm(THF)<sub>2</sub>(X = N, P)” *Organometallics* **2007**, 26, 6519.

22. **Yaofeng Chen**, Christine Sui-Seng, Davit Zargarian\* “Tetraphenylborate as a Novel Bridging Ligand in a Zwitterionic Nickel(I) Dimer” *Angew. Chem. Int. Ed.* **2005**, 44, 7721.

23. **Yaofeng Chen**, Gang Wu, Guillermo C Bazan\* “Remote Activation of Nickel Catalysts for Ethylene Oligomerization” *Angew. Chem. Int. Ed.* **2005**, 44, 1108.



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