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【在研科研项目】

1. 国家自然科学基金，聚合物/储氢合金复合材料用于氢气回收的基础问题研究（51471054），2015年-2019年
2. 北京市自然科学基金，铁氧体催化剂对 $\text{NaAlH}_4\text{-MgH}_2$ 储氢材料热力学及动力学性能的作用机理（2152019），2015年-2017年
3. 北京波士顿电池技术有限公司项目，三元/石墨体系电池循环过程中容量衰减机理研究，2015年-2016年

【代表性学术论文】

1. Li Ping*, Liu Zhiwei, Cui Liqun, Zhai Fuqiang, Wan Qi, Li Ziliang, Fang Zhigang, Zak, Volinsky Alex A., Qu Xuanhui*. Tungsten carbide synthesized by low-temperature combustion as gas diffusion electrode catalyst[J]. International Journal of Hydrogen Energy. 2014, 39: 10911-10920.
2. Shan Jiawei, Li Ping*, Wan Qi, Zhai Fuqiang, Zhang Jun, Li Ziliang, Liu Zhaojiang, Volinsky Alex A., Qu Xuanhui. Significantly improved dehydrogenation of ball-milled MgH_2 doped with CoFe_2O_4 nanoparticles. Journal of Power Sources. 2014, 268(0): 778-786.
3. Li Ping*, Zhai Fuqiang, Wan Qi, Zhao Kuifei, Li Ziliang, Volinsky Alex A., Qu Xuanhui. Study of the hydrogen-induced amorphization in the $\text{LaNi}_{2.28}$ alloy. RSC Advances. 2014, 4(52): 27207-27212.
4. Wan Qi, Li Ping*, Shan Jiawei, Zhai Fuqiang, Li Ziliang, Qu Xuanhui. Superior Catalytic Effect of Nickel Ferrite Nanoparticles in Improving Hydrogen Storage Properties of MgH_2 . The Journal of Physical Chemistry C. 2015, 119(6): 2925-2934.
5. Li Ping*, Zhai Fuqiang, Wan Qi, Zhao Kuifei, Li Ziliang, Volinsky Alex A., Qu Xuanhui. Study of the hydrogen-induced amorphization in the $\text{LaNi}_{2.28}$ alloy. RSC Advances. 2014, 4(52): 27207-27212.



Ping Li, the professor of Institute for Advanced Materials and Technology, received her B.E. and M.E. in materials Physics from Sichuan University, in 1995 and 1998, and her Ph.D. in materials science from Central Iron & Steel Research Institute in 2002. From 2002 to 2004, she went on researching in Post-Doctoral Research Center at School of Materials Science and Engineering, USTB. She has been working in USTB since September, 2004. She went to Utah University as a visiting scholar from 2012 to 2013. Her recent research interests are hydrogen storage materials and their applications, Nickel-metal hydride battery cathode material, Lithium ion battery cathode material, and catalysts for fuel cell.

【Publications】

1. Li Ping*, Liu Zhiwei, Cui Liqun, Zhai Fuqiang, Wan Qi, Li Ziliang, Fang Zhigang Zak, Volinsky Alex A., Qu Xuanhui*. Tungsten carbide synthesized by low-temperature combustion as gas diffusion electrode catalyst[J]. International Journal of Hydrogen Energy. 2014, 39: 10911-10920.
2. Shan Jiawei, Li Ping*, Wan Qi, Zhai Fuqiang, Zhang Jun, Li Ziliang, Liu Zhaojiang, Volinsky Alex A., Qu Xuanhui. Significantly improved dehydrogenation of ball-milled MgH₂ doped with CoFe₂O₄ nanoparticles. Journal of Power Sources. 2014, 268(0): 778-786.
3. Li Ping*, Zhai Fuqiang, Wan Qi, Zhao Kuifei, Li Ziliang, Volinsky Alex A., Qu Xuanhui. Study of the hydrogen-induced amorphization in the LaNi_{2.28} alloy. RSC Advances. 2014, 4(52): 27207-27212.
4. Wan Qi, Li Ping*, Shan Jiawei, Zhai Fuqiang, Li Ziliang, Qu Xuanhui. Superior Catalytic Effect of Nickel Ferrite Nanoparticles in Improving Hydrogen Storage Properties of MgH₂. The Journal of Physical Chemistry C. 2015, 119(6): 2925-2934.
5. Li Ping*, Zhai Fuqiang, Wan Qi, Zhao Kuifei, Li Ziliang, Volinsky Alex A., Qu Xuanhui. Study of the hydrogen-induced amorphization in the LaNi_{2.28} alloy. RSC Advances. 2014, 4(52): 27207-27212.