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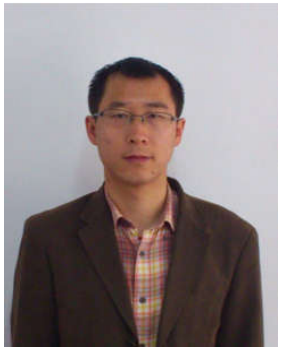

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【教育经历】

2002/09–2005/07 东北师范大学化学学院（功能材料化学研究所），获物理化学专业硕士学位，师从苏忠民教授（教育部长江学者特聘教授）

2005/10–2009/03 日本神户大学大学院自然科学研究科，获分子物质科学专业博士学位，师从徐强教授（资深研究员）

【工作经历】

2005/11–2007/03 日本大阪产业技术综合研究所，契约职员(助理研究员)

2009/04–2012/03 日本广岛大学先进机能物质研究中心，博士后研究员

2012/03–现在 扬州大学校特聘教授

2013/08–现在 扬州大学化学化工学院，教授

【主要研究方向】：

1. 高性能、轻金属储氢材料的研发
2. CO2的甲烷化研究

【科研项目】：

1. 国家自然科学基金面上项目“甲烷存储、制备新思路-轻金属氢化物-CO2材料的甲烷化特性及机理”，项目批准号：21573192，2016.01-2019.12，66万元，主持。
2. 教育部留学回国人员科研启动项目“新型碱金属氢化物-氨材料的储氢特性及机理研究”，2014.10-2015.09，3万元，主持。
3. 高等学校博士学科点专项科研项目“微纳米碱金属氢化物-氨储氢材料的储氢性能调控”，项目批准号：205310014，2014.01-2016.12，4万元，主持。

4. 江苏省六大人才高峰第十一批高层次人才选拔培养资助计划“利用轻金属氢化物还原二氧化碳制备氢气、甲烷混合燃料的研究”，2015.01-2016.12，4万元，主持。

5. 扬州大学引进人才科研项目“新颖的高性能轻金属储氢材料的研究”， 2012/03-2016/03，100万元，主持。

6. 日本丸文研究交流助成奖励项目“燃料电池电极催化剂CO中毒的机理研究”，2008/03-2009/03，150万日元，约合11万元人民币，主持。

7. 国家自然科学基金青年基金项目“储氢、供氢新概念-电解液氨制氢与电极反应研究”，项目批准号：21301152，2014.01-2016.12，25万元，第二完成人。

滕云雷教授具有储氢材料化学、理论计算化学和反应动力学等多学科的专业背景。曾先后在日本神户大学、日本大阪产业技术综合研究所和日本广岛大学学习工作多年，致力于金属氢化物与小分子反应的实验及理论调查、新颖的高性能储氢材料研究等多项工作。曾多次参加国际学术会议以及日本国内学术会议。以第一作者或通讯作者身份已在Chem. Commun., J. Mater. Chem. A, J. Phys. Chem. C, J. Phys.Chem. A, J. Chem. Phys. J. Hydrogen Energy.等国际期刊发表SCI 学术论文30余 篇，累积影响因子达100 以上。

近年来发表的文章（代表作）：

[1] Bao-Xia Dong, Lin-Ting Chen, Yun-Lei Teng,* Jing-Jing Gao, Hui Tian, Effect of alkali metal amides on the improvement of dehydrogenation for the LiH–NH3 system, J Mater Sci (2016) 51:911–916. 影响因子=2.317（二区）

[2] Bao-Xia Dong*, Hui Tian, Yi-Chen Wu, Fan-Yan Bu, Wen-Long Liu, Yun-Lei Teng*, Guo-Wang Diao, Improved electrolysis of liquid ammonia for hydrogen generation via ammonium salt electrolyte and Pt/Rh/Ir electrocatalysts, Int. J. Hydrogen Energy, 41(33), 14507-14518, 7, 2016. 影响因子=3.313（二区）

[3] Bao-Xia Dong, Jing-Jing Gao, Yun-Lei Teng*, Hui Tian, Long-Zheng Wang, A novel hydrogen storage system of KLi3(NH2)4-4LiH with superior cycling stability, Int. J. Hydrogen Energy, 41, 5371–5377, 2016. 影响因子=3.313（二区）

[4] Bao-Xia Dong, Jing-Jing Gao, Hui Tian, Yun-Lei Teng*, Long-Zheng Wang, Wen-Long Liu, Hydrogen desorption improvement of the LiNH2-LiH-KF composite, Int. J. Hydrogen Energy, 41,16122-16128, 2016. 影响因子=3.313（二区）

[5] Bao-Xia Dong*, Long-Zheng Wang, Liang Song, Juan Zhao, and Yun-Lei Teng*, Thermochemical Reduction of Carbon Dioxide with Alkali Metal Hydrides, Producing Methane and Hydrogen Fuels at Moderate Temperatures, Energy&Fuels, 2016, 30, 6620-6625. 影响因子=2.790（二区）

[6] Bao-Xia Dong*, Meng Tang, Wen-Long Liu*, Yi-Chen Wu, Yong-Mei Pan, Fan-Yan Bu, and Yun-Lei Teng, Solvent- and Temperature-Induced Multiple Crystal Phases: Crystal Structure, Selective Adsorption, and Separation of Organic Dye in Three S-Containing {[Cd(MIPA)]n}n− Homologues, Crystal Growth&Design, 2016, October 14, acs.cgd.6b00991. 影响因子=4.713（二区）

[7] Baoxia Dong*, Lu Chen, Shiyang Zhang, Jun Ge, Liang Song, Hui Tian, Yunlei Teng*, Wen-Long Liu, The first tritopic bridging ligand 1,3,5-tris-(4-carboxyphenyl)-benzene (H3BTB) functionalized porous polyoxometalate-based metal–organic framework (POMOF): from design, synthesis to electrocatalytic properties, Dalton Trans., 44, 1435–1440, 2015. 影响因子=4.097（二区）

[8] Baoxia Dong, Jun Ge, Yunlei Teng,* Jing-Jing Gao and Liang Song, Improved dehydrogenation properties of the LiNH2–LiH system by doping with alkali metal hydroxide, J. Mater. Chem. A, 3, 905–911, 2015. 影响因子=6.629（一区）
[9] B. X. Dong,* S. Y. Zhang, W. L. Liu, Y. C. Wu, J. Ge, L. Song and Y. L. Teng*， Gas storage and separation in a water-stable[CuI5BTT3]4- anion framework comprising a giant multi-prismatic nanoscale cage, Chem. Commun., 2015, 51, 5691. 影响因子=6.834 (一区)
[10] Baoxia Dong, Liang Song, Jun Ge, Yunlei Teng*, Shiyang Zhang, The ternary amide KLi3(NH2)4: an important intermediate in the potassium compound-added Li–N–H systems, RSC Advances, 4, 10702–10707, 2014. 影响因子=3.708（二区）
[11] Baoxia Dong, Liang Song, Yunlei Teng*, Jun Ge, Shiyang Zhang, Enhanced hydrogen desorption reaction kinetics by optimizing the reaction conditions and doping potassium compounds in the LiH–NH3 system, Int. J. Hydrogen Energy, 39, 13838–13843, 2014. 影响因子=3.313（二区）
[12] Yunlei Teng, Baoxia Dong*, Jun Peng*, Shiyang Zhang, Lu Chen, Liang Song and Jun Ge, Spontaneous resolution of 3D chiral hexadecavanadate-based frameworks incorporating achiral flexible and rigid ligands, CrystEngComm., 15, 2783−2785, 2013. IF=3.924（二区）
[13] Baoxia Dong, Yunlei Teng*, Jun Ge, Liang Song and Shiyang Zhang, The interesting and superior hydrogenation properties of potassium-doped LiNH2 and its ternary mixedcationic amide, RSC Advances, 3, 16977–16980, 2013. IF=3.708（二区）
[14] Bao-Xia Dong*,Yi-Chen Wu, Hui Tian, Chun-Bo Liu,Wen-Long Liu, Yun-Lei Teng, Synthesis, Crystal Structure and Electrochemical Properties of A new 2D Network Containing Linear {ε-H2PMoV8MoVI4O40Zn4}∞ Inorganic Chain, J Clust Sci, 27, (1), 361–371, 2016. 影响因子=1.356（四区）
[15] Meng Tang, Bao-Xia Dong*, Yi-Chen Wu, Fang Yang, Wen-Long Liu*, Yun-Lei Teng, Diverse CdII coordination complexes derived from bromide isophthalic acid binding with auxiliary N-donor ligands, Journal of Solid State Chemistry, 2016, 244, 12-19. 影响因子=2.133（四区）
[16] Bao-Xia Dong*, Lu Chen, Shi-Yang Zhang, Yi-Chen Wu, Hui Tian, Jun Ge, Liang Song,Yun-Lei Teng, Wen-Long Liu, A New 2D Network Constructed from the Extension of Transition-Metal-Grafted e-Keggin Polyoxoanion by a Bridging Organic Carboxylate, J. Clust Sci., 26, 1595–1605, 2015. 影响因子=1.356（四区）
[17] Yunlei Teng, Takayuki Ichikawa*, Hiroki Miyaoka, Yoshitsugu Kojima, Improvement of hydrogen desorption kinetics in the LiH-NH3 system by addition of KH, Chem. Commun.,47(44), 12227−12229, 2011. 影响因子=6.834 (一区)
[18] Yunlei Teng, Takayuki Ichikawa*, Yoshitsugu Kojima, Catalytic effect of Ti-Li-N compounds in the Li-N-H system on hydrogen desorption properties, J. Phys. Chem. C, 115(2), 589−593, 2011. 影响因子= 4.807（二区）
[19] Yunlei Teng, Qiang Xu*, Reactions of yttrium and scandium atoms with acetylene: A matrix isolation infrared spectroscopic and theoretical study, J. Phys. Chem. A, 114(34), 9069−9073, 2010. 影响因子=2.746（三区）

[20] Yunlei Teng, Qiang Xu*, Reactions of group 14 metal atoms with acetylene: a matrix isolation infrared spectroscopic and theoretical study, J. Phys. Chem. A, 113(44), 12163−12170, 2009. 影响因子=2.746（三区）
[21] Yunlei Teng, Qiang Xu*, Infrared spectroscopic and theoretical studies on the formation of Au2NO- and AunNO (n = 2-5) in solid argon, J. Chem. Phys., 130(13), 134511(1−6), 2009. 影响因子=3.079（二区）
[22] Yunlei Teng, Qiang Xu*, Matrix isolation infrared spectroscopic and density functional theoretical studies on the reactions of lanthanum atoms with acetylene, J. Phys. Chem. A, 112(41), 10274−10279, 2008. 影响因子=2.746（三区）
[23] Yunlei Teng, Qiang Xu*, Matrix isolation infrared spectroscopic and density functional theory studies on the reactions of dysprosium hydride with carbon monoxide, Bull. Chem. Soc. Jpn., 81(12), 1575−1579, 2008. 影响因子=1.940（四区）
[24] Yunlei Teng, Qiang Xu*, Matrix isolation infrared spectroscopic and density functional theory studies on the reactions of yttrium and lanthanum hydrides with dinitrogen, J. Phys. Chem. A, 112(33), 7594−7599, 2008. 影响因子=2.746（三区）
[25] Yunlei Teng, Qiang Xu*, Matrix isolation infrared spectroscopic studies and density functional theory calculations of the MNN, (MN)2 (M = Y and La), and Y3NN molecules, J. Phys. Chem. A, 112(16), 3607−3613, 2008. 影响因子=2.746（三区）
[26] Yunlei Teng, Qiang Xu*, Matrix isolation infrared spectroscopic and density functional theory studies on the reactions of yttrium and lanthanum hydrides with carbon monoxide, J. Phys. Chem. A, 111(51), 13380−13386, 2007. 影响因子=2.746（三区）
[27] Yunlei Teng, Ling Jiang, Song Han, Qiang Xu*, Matrix-isolation infrared spectroscopic and density functional theory studies on reactions of laser-ablated lead and tin atoms with water molecules, Bull. Chem. Soc. Jpn., 80(11), 2149−2156, 2007. 影响因子=1.940（四区）
[28] Yunlei Teng, Ling Jiang, Song Han, Qiang Xu*, Matrix-isolation infrared spectroscopic and theoretical studies on reactions of laser -ablated germanium atoms with water molecules, J. Phys. Chem. A, 111(28), 6225−6231, 2007. 影响因子=2.746（三区）
[29] Yunlei Teng, Yuhe Kan, Zhongmin Su*, Yi Liao, Shuangyang Yang, Rongshun Wang,Time-dependent density functional theory study on electronic and spectroscopic properties for Ph2Bq and its complexes, Theor. Chem. Acc., 117(1), 1−5, 2007. 影响因子=2.203（三区）
[30] Yunlei Teng, Yuhe Kan, Zhongmin Su*, Yi Liao, Likai Yan, Yanjie Yang, Rongshun Wang, Luminescent compounds diphenylboron analogs of Alq3 and its methyl substituents: A theoretical investigation of their electronic and spectroscopic properties, Int. J. Quantum Chem., 103(6), 775−780, 2005. 影响因子=1.301（四区）

本课题组欢迎勤奋、爱思考的本科生和研究生加入！

让我们共同学习、共同进步！

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