

其他合作 SCI 期刊论文——入职上海交大后（#为同等贡献作者、*为通讯作者）

1. Jiabin You, Jing Hu, Zhifeng Zheng, Huiyuan Li, **Liuxuan Luo**, Xiaojing Cheng, Xiaohui Yan*, Shuiyun Shen*, Junliang Zhang*. [Porous Carbon Supports for Low-Pt Proton-Exchange Membrane Fuel Cells](#). **Electrochemical Energy Reviews** **2025**, 8, 22. (中科院 1 区 Top, IF = 36.3, JIF Rank = 2/44)
2. Rui Xue, Shu Yuan, Rongyi Wang, Tianzi Bi, Guiru Zhang, Huiyuan Li, Jiewei Yin, **Liuxuan Luo**, Shuiyun Shen*, Xiaohui Yan*, Junliang Zhang*. [The Insights into Ionomer-Catalyst Interactions Enabling High-Efficiency CO₂ Electroreduction in Pure Water](#). **Journal of Energy Chemistry** **2025**, 108, 390–399. (中科院 1 区 Top, IF = 14.9, JIF Rank = 17/185)
3. Ming Cheng, Ye Wang, Ying Bai, Xiaoyu Hu, Huiyuan Li, Yuhua Li, **Liuxuan Luo**, Xiaohui Yan, Shuiyun Shen, Yangge Guo*, Junliang Zhang*. [Porous Titanium Water Transport Plates Applied in Liquid-Cooled H₂-O₂ Proton Exchange Membrane Fuel Cells for Enhanced Passive Water Management](#). **Journal of Power Sources** **2025**, 647, 237274. (中科院 3 区, IF = 7.9, JIF Rank = 7/44)
4. Huiyuan Li, Shu Yuan, Jiabin You, Congfan Zhao, Xiaojing Cheng, **Liuxuan Luo**, Xiaohui Yan, Shuiyun Shen*, Junliang Zhang*. [Revealing the Oxygen Transport Challenges in Catalyst Layers in Proton Exchange Membrane Fuel Cells and Water Electrolysis](#). **Nano-Micro Letters** **2025**, 17, 225. (中科院 1 区 Top, IF = 36.3, JIF Rank = 6/461)
5. Jiashun Liang[#], Cehuang Fu[#], Sooyeon Hwang, Chaochao Dun, **Liuxuan Luo**, Zulipiya Shadike, Shuiyun Shen, Junliang Zhang*, Hui Xu*, Gang Wu*. [Constructing Highly Porous Low Iridium Anode Catalysts via Dealloying for Proton Exchange Membrane Water Electrolyzers](#). **Advanced Materials** **2025**, 37, 2409386. (中科院 1 区 Top, IF = 26.8, JIF Rank = 10/461)
6. Shu Yuan[#], Rongyi Wang[#], Rui Xue, Lizhen Wu, Guiru Zhang, Huiyuan Li, Qing Wang, Jiewei Yin, **Liuxuan Luo**, Shuiyun Shen*, Liang An, Xiaohui Yan*, Junliang Zhang*. [Flow Field Design Matters for High Current Density Zero-Gap CO₂ Electrolyzers](#). **ACS Energy Letters** **2024**, 9, 5945–5954. (中科院 1 区 Top, IF = 18.9, JIF Rank = 24/461)
7. Xiashuang Luo, Cehuang Fu, Shuiyun Shen, Xiaohui Yan, **Liuxuan Luo**, Junliang Zhang*. [Highly Dispersed Cu Atoms Induce Alternating Surface Microstrain in PtCu Concave Octahedral Nanoparticles Accelerating Oxygen Reduction Reaction](#). **ACS Catalysis** **2024**, 14, 13088–13097. (中科院 1 区 Top, IF = 13.1, JIF Rank = 21/185)
8. Yangge Guo, Nannan Sun, **Liuxuan Luo**, Xiaojing Cheng, Xueying Chen, Xiaohui Yan, Shuiyun Shen*, Junliang Zhang. [Potential-Dependent Insights into the Origin of High Ammonia Yield Rate on Copper Surface via Nitrate Reduction: A Computational and Experimental Study](#). **Journal of Energy Chemistry** **2024**, 96, 272–281. (中科院 1 区 Top, IF = 14.9, JIF Rank = 17/185)
9. Ming Cheng, Mengjie Liu, Yong Feng, Yangge Guo, Huahui Xu, **Liuxuan Luo**, Jiewei Yin, Xiaohui Yan, Shuiyun Shen*, Junliang Zhang*. [Technical Challenges and Enhancement Strategies for Transitioning PEMFCs from H₂-Air to H₂-O₂](#). **Energy Conversion and Management** **2024**, 311, 118525. (中科院 1 区 Top, IF = 10.9, JIF Rank = 21/182)
10. Lutian Zhao, Yangge Guo, **Liuxuan Luo**, Xiaohui Yan, Shuiyun Shen*, Junliang Zhang. [Electrochemical Synthesis for Metallic Nanocrystal Electrocatalysts: Principle, Application and Challenge](#). **Acta Physico-Chimica Sinica** **2024**, 40, 2306029. (中科院 2 区, IF = 13.7, JIF Rank = 17/185)

Rank = 19/185)

11. Xiaojing Cheng, Jinghao Zhou, **Liuxuan Luo**, Shuiyun Shen, Junliang Zhang*. [Boosting Bulk Oxygen Transport with Accessible Electrode Nanostructure in Low Pt Loading PEMFCs](#). **Small** **2024**, *20*, 2308563. (中科院 2 区 Top, IF = 12.1, JIF Rank = 42/461)
12. Yongjian Su, Xiaojing Cheng, Yong Feng, Huiyuan Li, Cheng Yan, Miaomiao He, **Liuxuan Luo**, Shuiyun Shen, Xiaohui Yan*, Junliang Zhang*. [Hierarchical Catalyst Layer Structure for Enhancing Local Oxygen Transport in Low Pt Proton Exchange Membrane Fuel Cells](#). **Journal of Power Sources** **2024**, *603*, 234453. (中科院 3 区, IF = 7.9, JIF Rank = 7/44)

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13. Shu Yuan, Congfan Zhao, **Liuxuan Luo**, Cehuang Fu, Huiyuan Li, Lu An, Xiaojing Cheng, Shuiyun Shen, Jiewei Yin, Xiaohui Yan*, Junliang Zhang*. [Revealing the Role of the Ionomer at the Triple-Phase Boundary in a Proton-Exchange Membrane Water Electrolyzer](#). **The Journal of Physical Chemistry Letters** **2024**, *15*, 5223–5230. (中科院 2 区 Top, IF = 4.7, JIF Rank = 151/461)
14. Ming Cheng, **Liuxuan Luo**, Yong Feng, Qilong Feng, Xiaohui Yan, Shuiyun Shen, Yangge Guo*, Junliang Zhang*. [Numerical Studies on Porous Water Transport Plates Applied in PEMFCs under Pure Oxygen Condition](#). **Applied Energy** **2024**, *362*, 122903. (中科院 1 区 Top, IF = 11.0, JIF Rank = 12/176)
15. Qi Kang[#], Yong Li[#], Zechao Zhuang[#], Huijun Yang[#], **Liuxuan Luo**, Jie Xu, Jian Wang, Qinghua Guan, Han Zhu, Yinze Zuo, Dong Wang, Fei Pei, Lianbo Ma, Jin Zhao, Pengli Li, Ying Lin, Yijie Liu, Kunming Shi, Hongfei Li, Yingke Zhu, Jie Chen, Fei Liu, Guangning Wu, Jun Yang, Pingkai Jiang, Xingyi Huang*. [Engineering a Dynamic Solvent-Phobic Liquid Electrolyte Interphase for Long-Life Lithium Metal Batteries](#). **Advanced Materials** **2024**, *36*, 2308799. (中科院 1 区 Top, IF = 26.8, JIF Rank = 10/461)
16. Huahui Xu, Zhifeng Zheng, Jing Hu, Huiyuan Li, Xiaojing Cheng, Yangge Guo, **Liuxuan Luo**, Jiewei Yin, Xiaohui Yan, Rui Wu*, Shuiyun Shen*, Junliang Zhang. [An Improved Agglomerate Model with Adsorption Isotherm for Oxygen Transport in CCLs with Low Pt Loading](#). **International Journal of Heat and Mass Transfer** **2024**, *222*, 125173. (中科院 2 区, IF = 5.8, JIF Rank = 12/79)
17. Lu An, Xiyang Cai, Fan Yang, Jiabin You, Shu Yuan, Lutian Zhao, Congfan Zhao, **Liuxuan Luo**, Xiaohui Yan, Shuiyun Shen*, Junliang Zhang*. [Reconstructed RuMnO_x with Enhanced Performance in Acidic Water Oxidation](#). **Applied Surface Science** **2024**, *652*, 159251. (中科院 2 区, IF = 6.9, JIF Rank = 47/185)
18. Jiabin You, Huiyuan Li, Yong Feng, Xiaojing Cheng, **Liuxuan Luo**, Daihui Yang, Guanghua Wei, Shuiyun Shen, Xiaohui Yan*, Junliang Zhang*. [Insight into Oxygen Diffusion Mechanism in Ionomer Film on Catalyst Surface with Varying Perfluorosulfonic Acid and Water Contents](#). **Journal of Materials Chemistry A** **2024**, *12*, 7248–7256. (中科院 2 区, IF = 9.5, JIF Rank = 63/461)
19. Huiyuan Li, Jiabin You, Xiaojing Cheng, **Liuxuan Luo**, Xiaohui Yan, Jiewei Yin, Shuiyun Shen*, Junliang Zhang*. [Unraveling the Effects of Carbon Corrosion on Oxygen Transport Resistance in Low Pt Loading Proton Exchange Membrane Fuel Cells](#). **ACS Applied Materials & Interfaces** **2024**, *16*, 540–554. (中科院 2 区, IF = 8.2, JIF Rank = 83/461)

20. Huiyuan Li, Jiabin You, Yong Feng, Xiaohui Yan, Jiewei Yin, **Liuxuan Luo**, Miaomiao He, Xiaojing Cheng*, Shuiyun Shen*, Junliang Zhang. [Comprehensive Understanding of Oxygen Transport at Gas/Ionomer/Electrocatalyst Triple Phase Boundary in PEMFCs](#). **Chemical Engineering Journal** **2023**, 478, 147454. (中科院 1 区 Top, IF = 13.2, JIF Rank = 8/176)
21. Xiaojing Cheng, Guanghua Wei, **Liuxuan Luo**, Jiewei Yin, Shuiyun Shen*, Junliang Zhang*. [Application of Solid Catalysts with an Ionic Liquid Layer \(SCILL\) in PEMFCs: From Half-Cell to Full-Cell](#). **Electrochemical Energy Reviews** **2023**, 6, 32. (中科院 1 区 Top, IF = 36.3, JIF Rank = 2/44)
22. Xiyang Cai[#], Xingdian Li[#], Jiabin You[#], Fan Yang, Zulipiya Shadike, Song Qin, **Liuxuan Luo**, Yangge Guo, Xiaohui Yan, Shuiyun Shen*, Guanghua Wei*, Zhichuan J. Xu, Junliang Zhang*. [Lithium-Mediated Ammonia Electrosynthesis with Ether-Based Electrolytes](#). **Journal of the American Chemical Society** **2023**, 145, 25716–25725. (中科院 1 区 Top, IF = 15.7, JIF Rank = 17/239)
23. Xiyang Cai, Zulipiya Shadike, Xinyin Cai, Xingdian Li, **Liuxuan Luo**, Lu An, Jiewei Yin, Guanghua Wei, Fan Yang, Shuiyun Shen*, Junliang Zhang*. [Membrane Electrode Assembly Design for Lithium-Mediated Electrochemical Nitrogen Reduction](#). **Energy & Environmental Science** **2023**, 16, 3063–3073. (中科院 1 区 Top, IF = 31.0, JIF Rank = 4/239)
24. Nannan Sun, Yangge Guo*, **Liuxuan Luo**, Xiyang Cai, Shuiyun Shen*, Junliang Zhang. [Facile Synthesis of CuCo-CoO Composite Electrocatalyst for Nitrate Reduction to Ammonia with High Activity, Selectivity and Stability](#). **Applied Surface Science** **2023**, 624, 157118. (中科院 2 区, IF = 6.9, JIF Rank = 47/185)
25. Chenyi Hu, Guanghua Wei, Fengjuan Zhu, Aiming Wu, **Liuxuan Luo**, Shuiyun Shen, Nengqin Jia*, Junliang Zhang*. [Label-Free Electrochemical Biosensing Architecture Based on a Protein-Decorated Pt@BSA Nanocomposite for Sensitive Immunoassay of Pathogenic Escherichia coli O157:H7](#). **ACS Sustainable Chemistry & Engineering** **2023**, 11, 7894–7907. (中科院 1 区 Top, IF = 7.3, JIF Rank = 24/176)
26. Jiabin You, Zhifeng Zheng, Xiaojing Cheng, Huiyuan Li, Cehuang Fu, **Liuxuan Luo**, Guanghua Wei, Shuiyun Shen, Xiaohui Yan*, Junliang Zhang*. [Insight into Oxygen Transport in Solid and High-Surface-Area Carbon Supports of Proton Exchange Membrane Fuel Cells](#). **ACS Applied Materials & Interfaces** **2023**, 15, 21457–21466. (中科院 2 区, IF = 8.2, JIF Rank = 83/461)
27. Cehuang Fu, Thomas O'Carroll, Shuiyun Shen, **Liuxuan Luo**, Junliang Zhang*, Hui Xu*, Gang Wu*. [Metallic-Ir-Based Anode Catalysts in PEM Water Electrolyzers: Achievements, Challenges, and Perspectives](#). **Current Opinion in Electrochemistry** **2023**, 38, 101227. (中科院 2 区, IF = 6.9, JIF Rank = 10/44)
28. Lutian Zhao, Cehuang Fu, **Liuxuan Luo**, Jiabin You, Lu An, Xiaohui Yan, Shuiyun Shen*, Junliang Zhang. [Electrochemical Synthesis of Monodispersed and Highly Alloyed PtCo Nanoparticles with a Remarkable Durability towards Oxygen Reduction Reaction](#). **Applied Catalysis B: Environmental** **2022**, 318, 121831. (中科院 1 区 Top, IF = 21.1, JIF Rank = 9/185)
29. Xiaojing Cheng, Shuiyun Shen, Guanghua Wei, Chao Wang, **Liuxuan Luo**, Junliang Zhang*. [Perspectives on Challenges and Achievements in Local Oxygen Transport of Low Pt Proton Exchange Membrane Fuel Cells](#). **Advanced Materials Technologies** **2022**, 7, 2200228. (中科院 3 区, IF = 6.2, JIF Rank = 122/461)

30. Lu An, Fan Yang, Cehuang Fu, Xiyang Cai, Shuiyun Shen, Guofeng Xia, Jing Li, Yunzhu Du, **Liuxuan Luo**, Junliang Zhang*. [A Functionally Stable RuMn Electrocatalyst for Oxygen Evolution Reaction in Acid](#). **Advanced Functional Materials** **2022**, 32, 2200131. (中科院 1 区 Top, IF = 19.0, JIF Rank = 23/461)
31. Chenyi Hu, Guanghua Wei, Fengjuan Zhu, Aiming Wu, **Liuxuan Luo**, Shuiyun Shen, Junliang Zhang*. [Platinum-Based Nanocomposite Pt@BSA as an Efficient Electrochemical Biosensing Interface for Rapid and Ultrasensitive Determination of Folate Receptor-Positive Tumor Cells](#). **ACS Applied Bio Materials** **2022**, 5, 3038–3048. (中科院 3 区, IF = 4.7, JIF Rank = 22/55)
32. Chenyi Hu, Aiming Wu, Fengjuan Zhu, **Liuxuan Luo**, Fan Yang, Guofeng Xia, Guanghua Wei, Shuiyun Shen, Junliang Zhang*. [Lithium-Ion Modified Cellulose as a Water-Soluble Binder for Li-O₂ Battery](#). **Frontiers in Energy** **2022**, 16, 502–508. (中科院 3 区, IF = 6.2, JIF Rank = 55/182)
33. Chao Ma, Xinyao Zou, Ang Li, Zhan Gao, **Liuxuan Luo**, Shuiyun Shen, Junliang Zhang, Zhen Huang, Lei Zhu*. [Rapid Flame Synthesis of Carbon Doped Defective ZnO for Electrocatalytic CO₂ Reduction to Syngas](#). **Electrochimica Acta** **2022**, 411, 140098. (中科院 2 区, IF = 5.6, JIF Rank = 11/44)
34. Zhifeng Zheng, **Liuxuan Luo**, Shuiyun Shen, Guanghua Wei, Junliang Zhang*. [Insight into the Potential Strategies for Mitigating Pt Degradation in Proton Exchange Membrane Fuel Cells \(PEMFCs\): From the Perspective of Pt Ion Transport](#). **Journal of Power Sources** **2022**, 522, 230999. (中科院 3 区, IF = 7.9, JIF Rank = 7/44)
35. Xiyang Cai, Fan Yang, Lu An, Cehuang Fu, **Liuxuan Luo**, Shuiyun Shen, Junliang Zhang*. [Evaluation of Electrocatalytic Activity of Noble Metal Catalysts toward Nitrogen Reduction Reaction in Aqueous Solutions under Ambient Conditions](#). **ChemSusChem** **2022**, 15, e202102234. (中科院 2 区, IF = 6.6, JIF Rank = 47/239)
36. Lutian Zhao, Xiaojing Cheng, **Liuxuan Luo**, Zhifeng Zheng, Shuiyun Shen*, Junliang Zhang*. [Progress and Prospects of Low Platinum Oxygen Reduction Catalysts for Proton Exchange Membrane Fuel Cells](#). **Chinese Science Bulletin-Chinese** **2022**, 67, 2212–2225. (中科院 1 区 Top, IF = 1.2, JIF Rank = 74/136)
37. Cehuang Fu, **Liuxuan Luo**, Lijun Yang, Shuiyun Shen*, Guanghua Wei, Junliang Zhang*. [Breaking the Scaling Relationship of ORR on Carbon-Based Single-Atom Catalysts through Building a Local Collaborative Structure](#). **Catalysis Science & Technology** **2021**, 11, 7764–7772. (中科院 3 区, IF = 4.3, JIF Rank = 75/185)
38. Jiabin You, Zhifeng Zheng, **Liuxuan Luo**, Xiaojing Cheng, Cehuang Fu, Shuiyun Shen, Guanghua Wei, Chao Wang, Junliang Zhang*. [Microstructures and Proton Networks of Ionomer Film on the Surface of Platinum Single Atom Catalyst in Polymer Electrolyte Membrane Fuel Cells](#). **The Journal of Physical Chemistry C** **2021**, 125, 24240–24248. (中科院 3 区, IF = 3.2, JIF Rank = 237/461)
39. Lutian Zhao, Yangge Guo, Cehuang Fu, **Liuxuan Luo**, Guanghua Wei, Shuiyun Shen*, Junliang Zhang*. [Electrodeposited PtNi Nanoparticles towards Oxygen Reduction Reaction: A Study on Nucleation and Growth Mechanism](#). **Chinese Journal of Catalysis** **2021**, 42, 2068–2077. (中科院 1 区 Top, IF = 17.7, JIF Rank = 14/185)
40. Xiyang Cai, Cehuang Fu, Haldrian Iriawan, Fan Yang, Aiming Wu, **Liuxuan Luo**, Shuiyun Shen, Guanghua Wei, Yang Shao-Horn*, Junliang Zhang*. [Lithium-Mediated Electrochemical](#)

Nitrogen Reduction: Mechanistic Insights to Enhance Performance. *iScience* **2021**, *24*, 103105.
(中科院 2 区, IF = 4.1, JIF Rank = 22/136)

41. Cehuang Fu, **Liuxuan Luo**, Lijun Yang, Shuiyun Shen, Guanghua Wei, Jiewei Yin, Junliang Zhang*. Theoretical Exploration of the Thermodynamic Process Competition between NRR and HER on Transition-Metal-Doped CoP (101) Facets. *The Journal of Physical Chemistry C* **2021**, *125*, 17051–17057. (中科院 3 区, IF = 3.2, JIF Rank = 237/461)
42. Xiyang Cai, Haldrian Iriawan, Fan Yang, **Liuxuan Luo**, Shuiyun Shen, Yang Shao-Horn*, Junliang Zhang*. Interaction of Ammonia with Nafion and Electrolyte in Electrocatalytic Nitrogen Reduction Study. *The Journal of Physical Chemistry Letters* **2021**, *12*, 6861–6866.
(中科院 2 区 Top, IF = 4.7, JIF Rank = 151/461)
43. Cehuang Fu, **Liuxuan Luo**, Lijun Yang, Shuiyun Shen*, Xiaohui Yan, Jiewei Yin, Guanghua Wei, Junliang Zhang*. An In-Depth Theoretical Exploration of Influences of Non-Metal-Elements Doping on the ORR Performance of Co-gN₄. *ChemCatChem* **2021**, *13*, 2303–2310.
(中科院 3 区, IF = 3.9, JIF Rank = 84/185)
44. Yangge Guo, Boyang Li, Shuiyun Shen, **Liuxuan Luo**, Guofeng Wang*, Junliang Zhang*. Potential-Dependent Mechanistic Study of Ethanol Electro-Oxidation on Palladium. *ACS Applied Materials & Interfaces* **2021**, *13*, 16602–16610. (中科院 2 区, IF = 8.2, JIF Rank = 83/461)
45. Cehuang Fu, Xiaohui Yan, Lijun Yang, Shuiyun Shen, **Liuxuan Luo**, Guanghua Wei, Junliang Zhang*. First-Principles Study of Catalytic Activity of W-Doped Cobalt Phosphide toward the Hydrogen Evolution Reaction. *Chinese Journal of Catalysis* **2020**, *41*, 1698–1705. (中科院 1 区 Top, IF = 17.7, JIF Rank = 14/185)
46. Fengjuan Zhu, **Liuxuan Luo**, Aiming Wu, Chao Wang, Xiaojing Cheng, Shuiyun Shen, Changchun Ke, Hong Yang, Junliang Zhang*. Improving the High-Current-Density Performance of PEMFC through Much Enhanced Utilization of Platinum Electrocatalysts on Carbon. *ACS Applied Materials & Interfaces* **2020**, *12*, 26076–26083. (中科院 2 区, IF = 8.2, JIF Rank = 83/461)
47. Fengjuan Zhu, Aiming Wu, **Liuxuan Luo**, Chao Wang, Fan Yang, Guanghua Wei, Guofeng Xia, Jiewei Yin, Junliang Zhang*. The Asymmetric Effects of Cu²⁺ Contamination in a Proton Exchange Membrane Fuel Cell (PEMFC). *Fuel Cells* **2020**, *20*, 196–202. (中科院 4 区, IF = 3.1, JIF Rank = 23/44)
48. Lin Li, Shuiyun Shen, Xiaolin Li, **Liuxuan Luo**, Guanghua Wei, Junliang Zhang*. A Derivative of Mesoporous Oxygen Reduction Reaction Electrocatalysts from Citric Acid and Dicyandiamide. *International Journal of Hydrogen Energy* **2020**, *45*, 6563–6572. (中科院 2 区, IF = 8.3, JIF Rank = 6/44)
49. Fangling Jiang, Fengjuan Zhu, Fan Yang, Xiaohui Yan, Aiming Wu, **Liuxuan Luo**, Xiaolin Li, Junliang Zhang*. Comparative Investigation on the Activity Degradation Mechanism of Pt/C and PtCo/C Electrocatalysts in PEMFCs during the Accelerate Degradation Process Characterized by an in Situ X-Ray Absorption Fine Structure. *ACS Catalysis* **2020**, *10*, 604–612. (中科院 1 区 Top, IF = 13.1, JIF Rank = 21/185)
50. Zhifeng Zheng, **Liuxuan Luo**, Fengjuan Zhu, Xiaojing Cheng, Fan Yang, Shuiyun Shen, Guanghua Wei, Junliang Zhang*. Degradation of Core-Shell Pt₃Co Catalysts in Proton Exchange Membrane Fuel Cells (PEMFCs) Studied by Mathematical Modeling. *Electrochimica Acta*

2019, 323, 134751. (中科院 2 区, IF = 5.6, JIF Rank = 11/44)

51. Muhammad Tuoqeer Anwar, Xiaohui Yan, Muhammad Rehman Asghar, Naveed Husnain, Shuiyun Shen, **Liuxuan Luo**, Xiaojing Cheng, Guanghua Wei, Junliang Zhang*. [MoS₂-rGO Hybrid Architecture as Durable Support for Cathode Catalyst in Proton Exchange Membrane Fuel Cells](#). **Chinese Journal of Catalysis** 2019, 40, 1160–1167. (中科院 1 区 Top, IF = 17.7, JIF Rank = 14/185)
52. Muhammad Tuoqeer Anwar, Xiaohui Yan, Muhammad Rehman Asghar, Naveed Husnain, Shuiyun Shen, **Liuxuan Luo**, Junliang Zhang*. [Recent Advances in Hybrid Support Material for Pt-Based Electrocatalysts of Proton Exchange Membrane Fuel Cells](#). **International Journal of Energy Research** 2019, 43, 2694–2721. (中科院 4 区, IF = 4.2, JIF Rank = 94/182)
53. Shuiyun Shen, Yangge Guo, Guanghua Wei, **Liuxuan Luo**, Fan Li, Junliang Zhang*. [A Perspective on the Promoting Effect of Ir and Au on Pd toward the Ethanol Oxidation Reaction in Alkaline Media](#). **Frontiers in Energy** 2018, 12, 501–508. (中科院 3 区, IF = 6.2, JIF Rank = 55/182)
54. Shuiyun Shen, Yangge Guo, Guanghua Wei, **Liuxuan Luo**, Fan Li, Lin Li, Guofeng Xia, Junliang Zhang*. [An Exploration of the Use of Au Submonolayer Decorated Pd₇Ir Nanoparticles as a Highly Active Electrocatalyst for the Ethanol Oxidation Reaction in Alkaline Media](#). **Catalysis Science & Technology** 2018, 8, 3465–3468. (中科院 3 区, IF = 4.3, JIF Rank = 75/185)
55. Renxiu Tian, Shuiyun Shen, Fengjuan Zhu, **Liuxuan Luo**, Xiaohui Yan, Guanghua Wei, Junliang Zhang*. [Icosahedral Pt–Ni Nanocrystalline Electrocatalyst: Growth Mechanism and Oxygen Reduction Activity](#). **ChemSusChem** 2018, 11, 1015–1019. (中科院 2 区, IF = 6.6, JIF Rank = 47/239)
56. Shuiyun Shen, Yangge Guo, **Liuxuan Luo**, Fan Li, Lin Li, Guanghua Wei, Jiewei Yin, Changchun Ke, Junliang Zhang*. [Comprehensive Analysis on the Highly Active and Stable PdAu/C Electrocatalyst for Ethanol Oxidation Reaction in Alkaline Media](#). **The Journal of Physical Chemistry C** 2018, 122, 1604–1611. (中科院 3 区, IF = 3.2, JIF Rank = 237/461)
57. Shuiyun Shen, Fan Li, **Liuxuan Luo**, Yangge Guo, Xiaohui Yan, Changchun Ke, Junliang Zhang*. [DMF-Coordination Assisted Electrodeposition of Highly Active PtCo Alloy Catalysts for the Oxygen Reduction Reaction](#). **Journal of The Electrochemical Society** 2018, 165, D43–D49. (中科院 4 区, IF = 3.3, JIF Rank = 21/44)
58. Muhammad Tuoqeer Anwar, Xiaohui Yan, Shuiyun Shen, Naveed Husnain, Fengjuan Zhu, **Liuxuan Luo**, Junliang Zhang*. [Enhanced Durability of Pt Electrocatalyst with Tantalum Doped Titania as Catalyst Support](#). **International Journal of Hydrogen Energy** 2017, 42, 30750–30759. (中科院 2 区, IF = 8.3, JIF Rank = 6/44)