
刘风国 发表论文清单

(-2022 年 3 月)

1. Aimin Liu, Mengxia Guo, Yubao Liu, **Fengguo Liu**, Xianwei Hu, Zhongning Shi. Electrodeposition of Zn-Ta Coating from DMI-ZnCl₂-TaCl₅ Solvate Ionic Liquids. *Electrochemistry*. 2022, 90(2)
2. **Fengguo Liu**, Aimin Liu, Xianwei Hu, Zhaowen Wang, Zhongning Shi, Electrochemical Decomposition of CO₂ in a Fluoride Melt, *JOM*, 2021, 73, 1631–1636.
3. Xin Zhang, Aimin Liu, **Fengguo Liu**, Zhongning Shi, Baoguo Zhang, Xu Wang. Electrodeposition of aluminum–magnesium alloys from an aluminum-containing solvate ionic liquid at room temperature. *Electrochemistry Communications*. 2021, 133, 107160
4. Ai-min Liu, Yu Yao, Meng-xia Guo, Yu-bao Liu, Zhong-ning Shi, **Feng-guo Liu**, Xian-wei Hu, Wen-cai He, Zhao-wen Wang. Physicochemical properties of DMI-LiNO₃ solvated ionic liquid and its application in electrodeposition of neodymium at room temperature, *Trans. Nonferrous Met. Soc. China*. 2021, 31, 2522–2531
5. Wen-cai He, **Feng-guo Liu**, Xiong-wei Zhong, Shan Yang, Zhong-ning Shi. Electrochemical extraction of lead from urea-1-ethyl-3-methylimidazolium fluoride system containing PbO at 353 K. *Trans. Nonferrous Met. Soc. China*. 2021, 31, 1140–1150
6. 刘风国, 王博, 章莲玉, 刘爱民, 王兆文, 石忠宁, 离子液体在电沉积铝及铝合金中的应用, *化学进展*, 2020, 32(12): 2004-2012.
7. **Fengguo Liu**, Aimin Liu, Wenju Tao, Youjian Yang, Preparation of UV Curable Organic/inorganic Hybrid Coatings-a Review, *Progress in Organic Coatings*, 2020, 145: 105685.
8. Ai-min Liu, Meng-xia Guo, Zi-yang Lv, Bao-guo Zhang, **Feng-guo Liu**, Wen-ju Tao, You-jian Yang, Xian-wei Hu, Zhao-wen Wang, Yu-bao Liu, Zhong-ning Shi. Electrochemical behavior of tantalum in ethylene carbonate and aluminum chloride solvate ionic liquid. *Trans. Nonferrous Met. Soc. China*. 2020, 30, 2283–2292
9. Wencai He, Zhongning Shi, **Fengguo Liu**, and Shan Yang. Electrodeposition of Copper

-
- Metal from the 1-Ethyl-3-methylimidazolium Fluoride ([EMIM]F)-urea-H₂O System Containing Cu₂O. *Electrochemistry*, 2020, 88(4): 253–255
10. Xiaozhou Cao, Lulu Xu, Chao Wang, Siyi Li, Dong Wu, Yuanyuan Shi, **Fengguo Liu** and Xiangxin Xue, Electrochemical Behavior and Electrodeposition of Sn Coating from Choline Chloride–Urea Deep Eutectic Solvents, *Coatings*. 2020, 10, 1154
 11. **Fengguo Liu**, Xiongwei Zhong, Junli Xu, Zhaowen Wang and Zhongning Shi, Facile Synthesis and Characterization of 1-ethyl-3-methylimidazolium Fluoride Ionic Liquid, *Journal of Physics: Conference Series*, 2019, 1347: 012109
 12. Yipeng Huang, Youjian Yang, lingmeng Zhu, **Fengguo Liu**, Zhaowen Wang, Bingliang Gao, Zhongning Shi, Xianwei Hu. Electrochemical Behavior of Fe-Ni Alloys as an Inert Anode for Aluminum Electrolysis. *International Journal of Electrochemical Science*. 2019, 14: 6325 – 6336
 13. Dexi Wang, Xiongwei Zhong, **Fengguo Liu**, Zhongning Shi, Electrodeposition of Aluminum from AlCl₃-1-Ethyl-3-Methylimidazolium Fluoride. *Journal of Electrochemical Science*. 2019, 14: 9482 – 9489
 14. **Fengguo Liu**, Xiongwei Zhong, Junli Xu, Ali Kamali, Zhongning Shi. Temperature Dependence on Density, Viscosity, and Electrical Conductivity of Ionic Liquid 1-Ethyl-3-Methylimidazolium Fluoride, *Applied Sciences*, 2018, 8, 356.
 15. Nannan Zhang, Youjian Yang, Zhaowen Wang, Zhongning Shi, Bingliang Gao, Xianwei Hu, Wenju Tao, **Fengguo Liu** and Jiangyu Yu. Study on the thermal decomposition of aluminium chloride hexahydrate. *Canadian Metallurgical Quarterly*, 2018, 57(2): 235–244
 16. **Fengguo Liu**, Linqing Miao, Ying Wang, Xiangxin Xue, He Yang. Green Fabrication of Ultraviolet Curable Epoxy Acrylate-Silica Hybrid Coatings, *Progress in Organic Coatings*, 2017, 109: 38–44.
 17. **Fengguo Liu**, Chenliang Ding, Wenju Tao, Xianwei Hu, Bingliang Gao, Zhongning Shi, Zhaowen Wang. Preparation of Aluminum-Zirconium Master Alloy by Aluminothermic Reduction in Cryolite Melt, *JOM*, 2017, 69, 2644-2647.
 18. **Fengguo Liu**, Wenju Tao, Yuzheng Wang, Youjian Yang, Xianwei Hu, Zhaowen Wang, Xiangxin Xue. Corrosion Resistance of UV Curable Hybrid Coatings on the Galvanized

-
- Sheet, Proceedings of the 14th Sino-Russia Symposium on Advanced Materials and Technologies, 2017, 289-294
19. Ying Wang, **Fengguo Liu**, Xiangxin Xue. Preparation and properties of UV-cured epoxy acrylate/glycidyl-POSS coatings. *Journal of Coating Technology Research*, 2017, 14 (3): 665–672.
 20. Ying Wang, Zhichao Cao, **Fengguo Liu**, Xiangxin Xue. Synthesis and characterization of UV-curing epoxy acrylate coatings modified with organically modified rectorite. *Journal of Coating Technology Research*, 2017, 14 (1): 107–115
 21. **Fengguo Liu**, Ying Wang, Xiangxin Xue, He Yang. Photopolymerization of UV Curable Coatings Monitored by Raman Spectroscopy, *Polymer-Korea*, 2016, 40: 390-396.
 22. Qiang Li, **Fengguo Liu**, Xuefei Zhang, He Yang, Xiangxin Xue, Xizhi Niu. The effect of strong magnetic field on the microstructure of pure diopside and diopside doped with Fe³⁺ or Mn²⁺, *Journal of Alloys and Compounds*, 2016, 657: 152-156
 23. Xuefei Zhang, **Fengguo Liu**, Xiangxin Xue, Tao Jiang. Effects of microwave and conventional blank roasting on oxidation behavior, microstructure and surface morphology of vanadium slag with high chromium content. *Journal of Alloys and Compounds*. 2016, 686: 356-365
 24. **Fengguo Liu**, Ying Wang, Xiangxin Xue, He Yang. UV Curable EA-Si Hybrid Coatings Prepared by Combination of Radical and Cationic Photopolymerization. *Progress in Organic Coatings*, 2015, 85: 46-51.
 25. **Fengguo Liu**, Ying Wang, Xiangxin Xue, He Yang. Temperature Dependence of the Viscosity of Epoxy Acrylate-Tripropylene Glycol Diacrylate Binary Mixtures, *e-Polymers*, 2015, 15(6): 447–450.
 26. Ying Wang, **Fengguo Liu**, Xiangxin Xue. Morphology and properties of UV-curing epoxy acrylate coatings modified with methacryl-POSS. *Progress in Organic Coatings*. 2015, 78: 404–410.
 27. **Fengguo Liu**, Wangjin Yang, Ying Wang, Xiangxin Xue, He Yang. Size Evolution of Silica Nanoparticles in Different Solvents. *Asian Journal of Chemistry*. 2015, 27(3): 1071-1074
 28. Pok Nam Jang, Hyonmo Li, Wenjae Kim, Zhaowen Wang, **Fengguo Liu**. Preparation of

-
- Al-La Master Alloy by Thermite Reaction in NaF-NaCl-KCl Molten Salt, JOM, 2015, 67(5):1130-1136
29. **Fengguo Liu**, Wangjin Yang, Ying Wang, Xiangxin Xue, He Yang. Photochemical Synthesis of Silica Nanoparticles, Chemistry Letters, 2014, 43(5): 720–7225.
30. 刘风国, 但宝华, 薛向欣, 杨合. 紫外光固化无机-有机复合涂层的制备与性能研究. 东北大学学报 (自然科学版). 2014, 35 (3): 388-390.
31. Ying Wang, **Fengguo Liu**, Xiangxin Xue. Synthesis and characterization of UV-cured epoxy acrylate/POSS nanocomposites. Progress in Organic Coatings. 2013, 76: 863-869.
32. **Fengguo Liu**, Ying Wang, Xiangxin Xue. Surface pretreatment of galvanized steel sheets relevant to adhesion performance of UV curable coatings. TMS2013 Annual Meeting Supplemental Proceedings, 2013, 222-227
33. 王颖, 杨合, 刘风国, 薛向欣. EA/POSS 纳米复合材料的相容性及热稳定性. 东北大学学报(自然科学版). 2013, 34(1): 95-97
34. Michael B. Cortie, **Fengguo Liu**, Matthew D. Arnold, and Yasuro Niidome. Multimode Resonances in Silver Nanocuboids. Langmuir, 2012, 28 (24): 9103–9112
35. Xian-wei Hu, Jun-yue Qu, Bing-liang Gao, Zhong-ning Shi, **Feng-guo Liu**, Zhao-wen WANG. Raman spectroscopy and ionic structure of Na₃AlF₆-Al₂O₃ melts. Transactions of Nonferrous Metals Society of China. 2011, 21(2): 402–406.
36. 高炳亮, 刘风国, 王兆文, 石忠宁. NaNO₂-KNO₃-NaNO₃ 三元熔盐体系电导率的研究. 东北大学学报 (自然科学版). 2010. 31 (5): 696-699.
37. Xian-wei Hu, Zhao-wen Wang, Bing-liang Gao, Zhong-ning Shi, **Feng-guo Liu**, Morigen-gaowa Bao. Identification of structural entities in NdF₃-LiF melts with cryoscopic method. Transactions of Nonferrous Metals Society of China. 2010, 20(12): 2387–2391.
38. Xianwei Hu, Zhaowen Wang, Bingliang Gao, Zhongning Shi, **Fengguo Liu**, Xiaozhou Cao. Density and ionic structure of NdF₃-LiF melts. Journal of Rare Earths. 2010, 28(4): 587-590
39. Xianwei Hu, Zhaowen Wang, Bingliang Gao, Zhongning Shi, Xudong Luo, **Fengguo Liu**, Wenjuan Gao, Wenju Tao. Research on form of Nd-F-O complex ions in NdF₃-LiF-Nd₂O₃ melts. 2009 World Non-Grid-Connected Wind Power and Energy

Conference 2009: 1-5.

40. Gao Binghang, **Liu Fengguo**, Wang Zhaowen, Shi Zhongning, Hu Xianwei, Xue Xiangxin, Gao Wenjuan. Raman Spectra of $\text{NaNO}_2\text{-KNO}_3\text{-NaNO}_3$ Ternary Molten Salts. *Rare Metals*. 2009, 10(SI): 581-584
41. **Fengguo Liu**, Bingliang Gao, Shixing Wang, Zhaowen Wang, Zhongning Shi. Measurement and Estimation for Density of $\text{NaNO}_2\text{-KNO}_3\text{-NaNO}_3$ Ternary Molten Salts. 1st World Non-Grid-Connected Wind Power and Energy Conference. 2009, 10
42. Hu Xianwei, Wang Zhaowen, Yu Yaxin, Gao Bingliang, Shi Zhongning, **Liu Fengguo**, Luo Xudong, Tao Wenju, Dissolution kinetics of Nd_2O_3 in $\text{NdF}_3\text{-LiF-Nd}_2\text{O}_3$ melts. *Rare Metals*, 2009, 28(SI): 719-725.
43. Xianwei Hu, Zhaowen Wang, Bingliang Gao, Zhongning Shi, Xudong Luo, **Fengguo Liu**, Wenjuan Gao, and Wenju Tao. Research on form of Nd-F-O complex ions in $\text{NdF}_3\text{-LiF-Nd}_2\text{O}_3$ melts[A]. In Proceedings of 2009 World Non-Grid-Connected Wind Power and Energy Conference[C], Nanjing: Institute of Electrical and Electronics Engineers, Inc., 2009: 462-466.