

化学化工学院2021年研究生优秀学位论文拟推荐名单

序号	学号	申请人姓名	类别	论文题目	专业名称	指导教师	论文评阅意见及答辩情况	科研成果简况
1	B18193	谢丽思	博士	金属卟啉类分子催化水分解和氧气还原研究	无机化学	曹睿 教授	优秀5/答辩优	[1] Lisi Xie, Xialiang Li等. Molecular engineering of 3d self-supported electrode for oxygen electrocatalysis in neutral media [J]. Angew. Chem. Int. Ed. 2019, 58, 18883-18887. SCI 一区 [2] Lisi Xie, Jia Tian等. Water-soluble polymers with appending porphyrins as bioinspired catalysts for the hydrogen evolution reaction [J]. Angew. Chem. Int. Ed. 2020, 59, 15844-15848. SCI 一区 [3] Lisi Xie, Xue-Peng Zhang等. Enzyme-inspired iron porphyrins for improved electrocatalytic oxygen reduction and evolution reactions [J]. Angew. Chem. Int. Ed. 2021, 60, 7576-7581. SCI一区
2	B18208	杨柳	博士	镍催化芳基C-O键偶联反应研究	有机化学	薛东 教授	优秀5/答辩优	[1] Liu Yang, Zhiyan Huang 等, Synthesis of Phenols: Organophotoredox/Nickel Dual Catalytic Hydroxylation of Aryl Halides with Water[J]. Angew. Chem. Int. Ed. 2018, 57: 1968-1972. SCI一区 [2] Liu Yang, Huanhuan Lu 等, Light-Promoted Nickel Catalysis: Etherification of Aryl Electrophiles with Alcohols Catalyzed by a NiII-Aryl Complex[J]. Angew. Chem. Int. Ed. 2020, 59: 12714-12719.SCI 一区
3	181820	李欣然	学术学位硕士	弱导向基导向的高效串联环化反应研究	有机化学	石先莹 教授	优秀2/答辩优	[1]Xin-Ran Li, Xian-Ying Shi*, et.al. Controllable Tandem [3+2] Cyclization of Aromatic Aldehydes with Maleimides: Rhodium(III)-Catalyzed Divergent Synthesis of Indane-Fused Pyrrolidine-2,5-dione. Org Lett. 2020, 22, 8808-8813. SCI 一区
4	181832	郝宏星	学术学位硕士	电解质水溶液界面及半导体纳米晶体表面配体结构动力学的非线性光谱学研究	物理化学	边红涛教授	优秀2/答辩优	[1] Hongxing Hao#, Qing Xie#. et. al. Specific counter-cation effect on the molecular orientation of thiocyanate anions at the aqueous solution interface[J]. Phys. Chem. Chem. Phys., 2020, 22 (18): 10106-10115. SCI二区
5	181833	韩甜	学术学位硕士	基于酰脲键的软物质制备及其性能研究	物理化学	苗荣 副教授	优秀2/答辩优	[1] Tian Han, Jinglun Yang, et al. Direct distinguishing of methanol over ethanol with a nanofilm-based fluorescent sensor[J]. Advanced Materials Technologies, 2021, 6: 2000933.SCI二区 [2] 苗荣,韩甜等.一种荧光传感薄膜及其制备方法和应用.发明专利.CN 111978345 A

序号	学号	申请人姓名	类别	论文题目	专业名称	指导教师	论文评阅意见及答辩情况	科研成果简况
6	181837	田亚玉	学术学位硕士	膨胀石墨基复合材料的制备及其吸附性能研究	物理化学	马红竹教授	优秀2/答辩优	[1] Yayu Tian, Hongzhu Ma*, et.al. Preparation of surfactant modified magnetic expanded graphite composites and its adsorption properties for ionic dyes[J]. Applied Surface Science, 2021, 537: 147995. SCI二区 [2] Yayu Tian, Hongzhu Ma*. Solvent-free green preparation of reusable EG-PVDF foam for efficient oil-water separation[J]. Separation and Purification Technology, 2020, 253: 117506. SC二区 [3] Yayu Tian, Ning Zhang, Yue Liu, et.al. Adsorption performance of expanded graphite and its binary composite microbeads toward oil and dyes[J]. Desalination and Water Treatment, 2020, 178: 283-295. SCI四区
7	181749	石晓玲	学术学位硕士	高氮唑类二茂铁燃速催化剂的合成及其燃烧催化性能研究	无机化学	张国防 教授	优秀2/答辩优	[1] Xiaoling Shi, et al. Anti-migration and Combustion Catalytic Performances of Ferrocenyl Compounds of Anilines and Alkylamines Synthesized by Click Reaction[J].Zeitschrift für anorganische und allgemeine Chemie, 2020, 647(5): 463-470. SCI 四区 [2] 张国防，石晓玲，等. 双(咪唑或吡唑-1,2,3-三氮唑)基团的二茂铁类燃速催化剂及其制备方法.CN112778377A.