

目次

2024年6月 第36卷 第6期(总第290期)

◆ 综述

- 聚合物-微生物杂合体的构建及催化应用 815
邹雨泰 王文硕 刘 健
- 单晶高镍三元正极材料的合成及改性 827
吴涵锋 邓久帅 刘晋利 吴英强 王 莉 何向明
- 基于微流控芯片的体外血管网络模型的研究进展 840
王芳田 赵 亮 郭广生 汪夏燕
- 纳米材料表面化学作用之电子结构原理 851
相国磊
- 光催化甲烷直接转化制甲醇提高甲烷转化率和甲醇选择性 867
韩春秋 曹玥晗 黄 川 吕伟峰 周 莹
- 聚多巴胺微胶囊的构建及其应用 878
李 红 陈 蓉 焦 龙 李浩龄
- MOFs 基光电化学传感界面及其应用 893
周存银 黄 娟 王 琼 唐 浩 胡云楚 王文磊
- MXene 基复合材料的制备及其在光电催化合成氨中的应用 904
孙 涛 孙添添 鲁 铭 孙 威 刘春波

水凝胶纺织复合材料 914

郭婉茹 李 政 刘 兵 巩继贤 张松楠 郑国保

催化材料的空间限域效应及其低温脱硝应用 928

张 巍 伍 乔 付业昊 梁焱城 阮 敏 尹艳山 成 珊

光催化固氮催化剂性能提升策略分析 939

郭丽君 杨 红 邵圣娟 刘音圻 刘建新

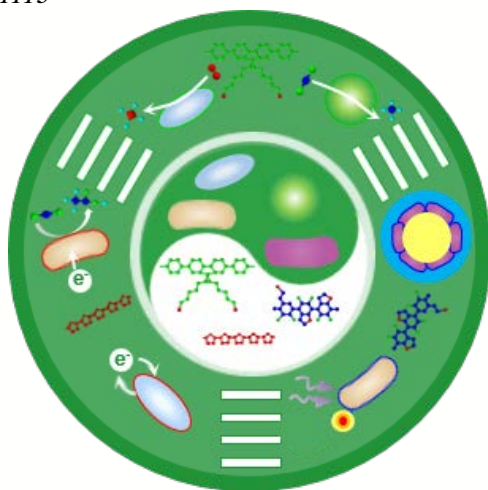
Review

Construction of Polymer-Microorganism Hybrids for Catalysis

Yutai Zou, Wenshuo Wang, Jian Liu

Progress in Chemistry, 2024, 36(6): 815~826

DOI: 10.7536/PC231113

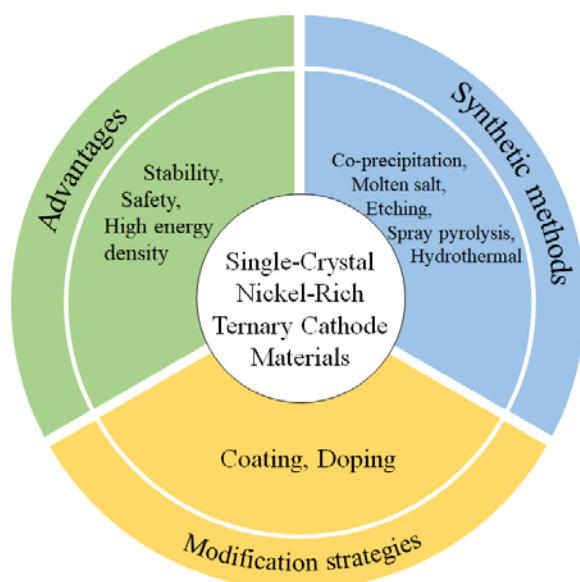


Synthesis and Modification of Single-Crystal High-Nickel Ternary Cathode Materials

Hanfeng Wu, Jiushuai Deng, Jinli Liu, Yingqiang Wu, Li Wang, Xiangming He

Progress in Chemistry, 2024, 36(6): 827~839

DOI: 10.7536/PC231112

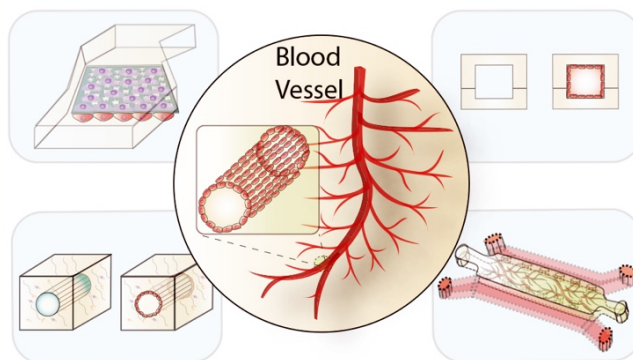


CONTENTS**Microfluidic-Based Vasculatures on Chip: Methods and Recent Progress**

Fangtian Wang, Liang Zhao, Guangsheng Guo, Xiayan Wang

Progress in Chemistry, 2024, 36(6): 840~850

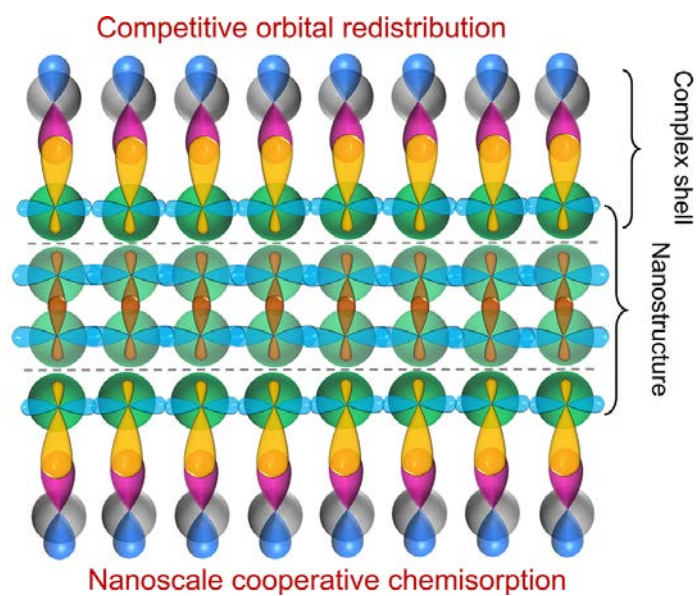
DOI: 10.7536/PC240121

**The Electronic Principle of Nanomaterial Surface Chemistry**

Guolei Xiang

Progress in Chemistry, 2024, 36(6): 851~866

DOI: 10.7536/PC240105



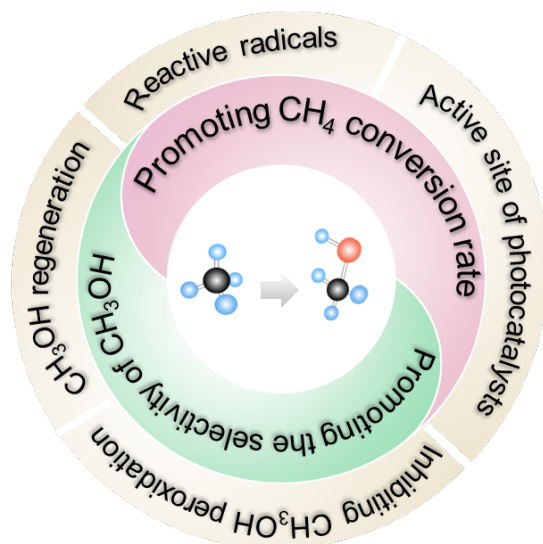
CONTENTS

Photocatalytic Methane Oxidation to Methanol in Promoting Methane Conversion Rate and Methanol Selectivity

Chunqiu Han, Yuehan Cao, Chuan Huang, Weifeng Lv, Ying Zhou

Progress in Chemistry, 2024, 36(6): 867~877

DOI: 10.7536/PC231020

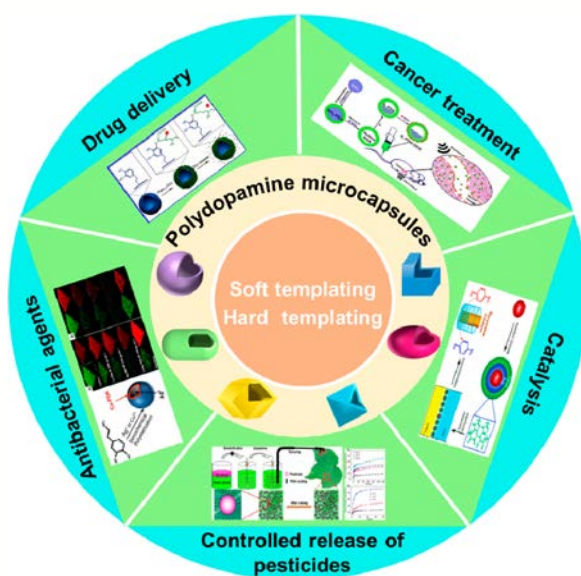


Preparation and Applications of Polydopamine Microcapsules

Hong Li, Rong Chen, Long Jiao, Jiuling Li

Progress in Chemistry, 2024, 36(6): 878~892

DOI: 10.7536/PC230804



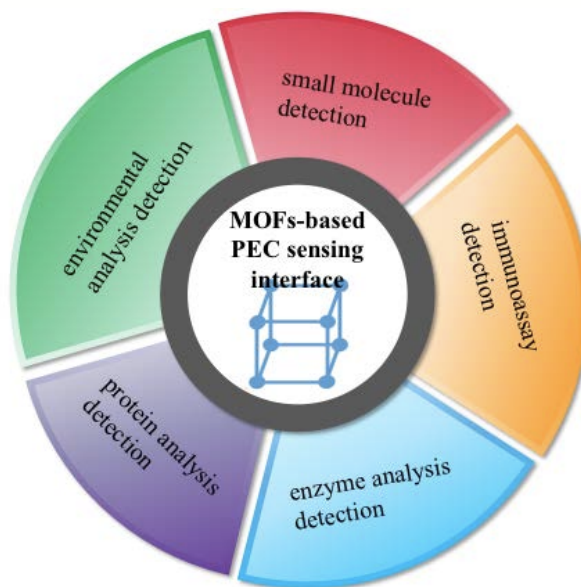
CONTENTS

MOFs-Based Photoelectrochemical Sensing Interface and Its Applications

Cunyin Zhou, Juan Huang, Qiong Wang, Hao Tang, Yunchu Hu, Wenlei Wang

Progress in Chemistry, 2024, 36(6): 893~903

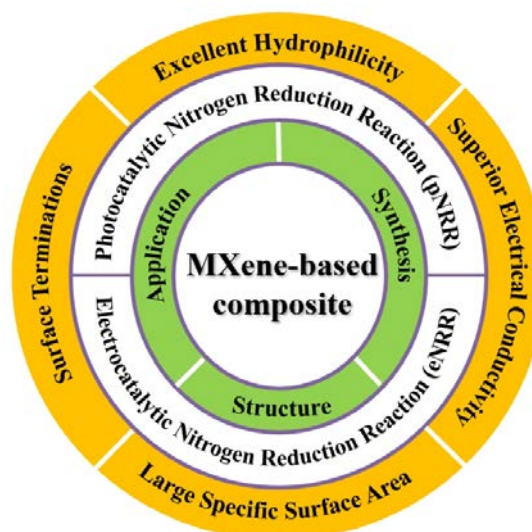
DOI: 10.7536/PC230913

**MXene-Based Composite Materials: Synthesis and Photoelectrocatalysis for Ammonia Synthesis**

Tao Sun, Tiantian Sun, Ming Lu, Wei Sun, Chunbo Liu

Progress in Chemistry, 2024, 36(6): 904~913

DOI: 10.7536/PC230914



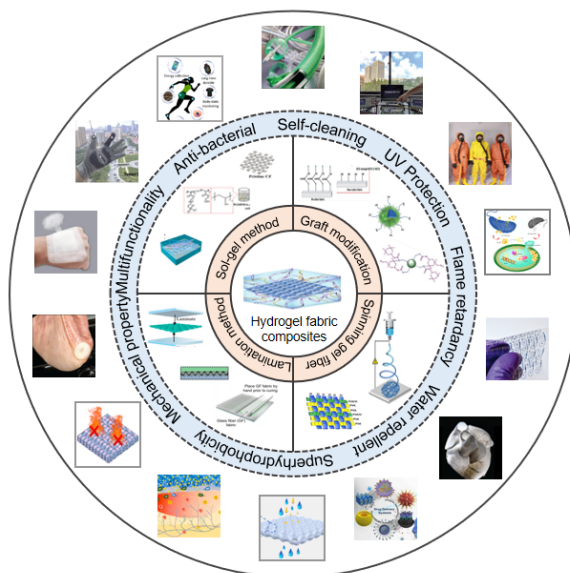
CONTENTS

Hydrogel-based Textile Composites

Wanru Guo, Zheng Li, Bing Liu, Jixian Gong, Songnan Zhang, Guobao Zheng

Progress in Chemistry, 2024, 36(6): 914~927

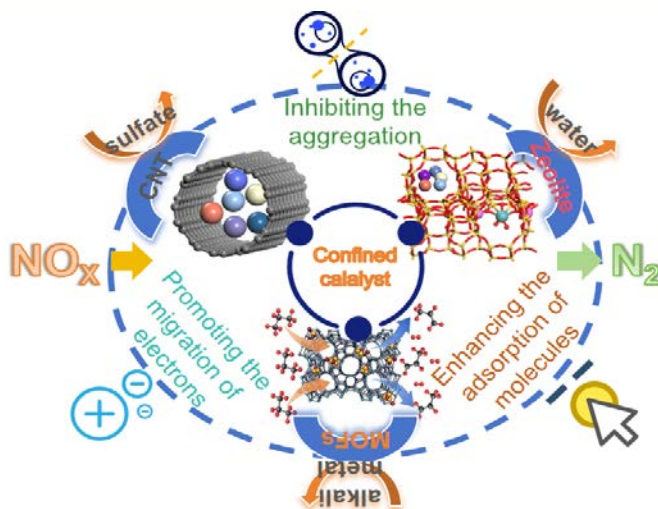
DOI: 10.7536/PC231002

**The Space Confinement Effect of Catalytic Materials and Its Application in Low Temperature Denitration**

Wei Zhang, Qiao Wu, Yehao Fu, Yaocheng Liang, Min Ruan, Yanshan Yin, Shan Cheng

Progress in Chemistry, 2024, 36(6): 928~938

DOI: 10.7536/PC231005



CONTENTS**Performance Improvement Strategy of Photocatalytic Ammonia Synthesis Catalyst**

Lijun Guo, Hong Yang, Shengjuan Shao, Yinqi Liu, Jianxin Liu

Progress in Chemistry, 2024, 36(6): 939~948

DOI: 10.7536/PC231202

