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استاد

دانشکده: شیمی



مقالات در نشریات

1. RGH.Theoretical study of optoelectronic performance of hole-transporting material quinoxaline- based with architecture (D-A-D) in perovskite solar cells: A DFT method.Journal of Molecular Liquids,۲۰۲۴ ۰۱ ۰۱
2. RGH.Enhanced efficiency of the azo dye-sensitized solar cell via the cooperation of graphene oxide and graphene oxide/polypyrrole: Experimental and computational studies.Electrochimica Acta,۲۰۲۴ ۰۱ ۰۱
3. RGH.Synergistic resonant molecular passivator of various defects for high-performance perovskite solar cells.Materials Today EnergyThis link is disabled.,۲۰۲۴ ۰۱ ۰۱
4. RGH.Expansion strategy of carbazole connecting unit in linear hole transport materials for perovskite solar cells.Dyes and Pigments,۲۰۲۴ ۰۱ ۰۱
5. RGH.Conformation Tailoring of Diphenylfluorene-Cored Isomers as Hole-Transport Materials for Perovskite Solar Cells.Solar RRL,۲۰۲۴ ۰۱ ۰۱
6. RGH.Two birds with one stone: dopant-free squaraine hole-transporting material for perovskite solar cell.Materials Today Energy,۲۰۲۴ ۰۱ ۰۱
7. RGH.Extending the π -Conjugated System in Spiro-Type Hole Transport Material Enhances the Efficiency and Stability of Perovskite Solar Modules.Angewandte Chemie - International EditionThis link is disabled.,۲۰۲۴ ۰۱ ۰۱
8. RGH.Analyzing the impact of substitution on the temperature-sensitive release of doxorubicin in an imine-based covalent organic framework using molecular dynamic.Computational Materials ScienceThis link is disabled.,۲۰۲۰ ۰۱ ۰۱
9. Ghadari Karkaj Rahim, Jahanbani Shabnam,Theoretical study of optoelectronic performance of hole-transporting material quinoxaline-based with architecture (D-A-D) in perovskite solar cells: A DFT method,JOURNAL OF MOLECULAR LIQUIDS,2024/02/22
10. Ghadari Karkaj Rahim, Neghabi Sevda,Enhanced efficiency of the azo dye-sensitized solar cell via the cooperation of graphene oxide and graphene oxide/polypyrrole: Experimental and computational studies,ELECTROCHIMICA ACTA,2024/01/28
11. Zhou Ying, Zhang Xianfu, Han Mingyuan, Wu Nan, Chen Jianlin, Ghadari Karkaj Rahim, Wu Yahan, Dai Songyuan, Liu Xuepeng,Cyclization of methoxy groups on spiro-type hole transporting materials for efficient and stable perovskite solar cells,SOLAR ENERGY MATERIALS AND SOLAR CELLS,2023/08/01
12. Ghadari Karkaj Rahim, Sabri Reza,Nitrogen and chlorine co-doped carbon dots to enhance the efficiency of dye-sensitized solar cells,DIAMOND AND RELATED MATERIALS,2023/05/26
13. Liu Xuepeng, Ding Bin, Han Mingyuan, Yang Zhenhai, Chen Jianlin, Shi Pengju, Xue Xiangying, .13

Ghadari Karkaj Rahim, Zhang Xianfu, Wang Rui, Brooks Keith, Tao Li, Kinge Sachin, Dai Songyuan, Sheng Jiang, Dyson Paul J., Khaja Nazeeruddin Mohammad, Ding Yooung, Extending the π -Conjugated System in Spiro-Type Hole Transport Material Enhances the Efficiency and Stability of Perovskite Solar Modules, *ANGEWANDTE CHEMIE-INTERNATIONAL EDITION*, 2023/05/15

Ghadari Karkaj Rahim, Hezarkhani Zeinab, Saei Paria, Sadat, Sabri Alireza, Kong Fan, Tai, Metal and nitrogen co-doped carbon dots in the sensitized solar cells, *APPLIED ORGANOMETALLIC CHEMISTRY*, 2023/01/23

Wu Nan, Zhang Jinxue, Liu Xuepeng, Wang Ying, Han Mingyuan, Ghadari Karkaj Rahim, Wu Yahan, Ding Yong, Cai Molang, Dai Songyuan, Efficient furan-bridged dibenzofulvene-triphenylamine hole transporting materials for perovskite solar cells, *Materials Advances*, 2023/01/01

Peng Yaole, Kong Fan, & Tai, Chen Shuanghong, Zhao Chundie, Liu Wenjun, Hu Linhua, Ghadari Karkaj Rahim, Zhang Jinxue, Zhang Xianxi, Constructing hole transporting highway for high-efficiency perovskite solar cells, *Synthetic Metals*, 2022/12/01

Zhao Chundie, Kong Fan, & Tai, Chen shuangong, Peng Yaole, Zhang Jinxue, Ghadari Karkaj Rahim, Wang Wenjun, Dopant-free hole conductor with hybrid multisite passivation for perovskite solar cells, *MATERIALS LETTERS*, 2022/11/01

Han Mingyuan, Lisng Youngpeng, Chen Jianlin, Zhang Xianfu, Ghadari Karkaj Rahim, Liu Xuepeng, Wu Nan, Huang Yin, Zhou Ying, Ding Yooung, Cai Molang, Chen Haibin, Dai Song, & Yuan, A N-Ethylcarbazole-Terminated Spiro-Type Hole Transporting Material for Efficient and Stable Perovskite Solar Cells, *ChemSusChem*, 2022/10/21

Wang Ying, Wu Nan, Zhang Xianfu, Liu Xuepeng, Han Mingyuan, Ghadari Karkaj Rahim, Guo Fuling, Ding Yooung, Cai Molang, Dai Songyuan, Effects of Heteroatom and Extending the Conjugation on Linear Hole-Transporting Materials for Perovskite Solar Cells, *ACS Applied Energy Materials*, 2022/09/06

Niu Yunjuan, Peng Yaole, Zhang Xianxi, Ren Yingke, Ghadari Karkaj Rahim, Zhu Jun, Tulloch Gavin, Zhang Hong, Falaras Polycarpos, Hu Linhua, Resonant Molecular Modification for Energy Level Alignment in Perovskite Solar Cells, *ACS Energy Letters*, 2022/08/29

Liang Xiaodong, Chen Jianlin, Zhang Xianfu, Han Mingyuan, Ghadari Karkaj Rahim, Wu Nan, Wang Ying, Zhou Ying, Liu Xuepeng, Dai Songyuan, Dibenzo heterocyclic-terminated spiro-type hole transporting materials for perovskite solar cells, *Journal of Materials Chemistry C*, 2022/07/12

Liang Yongpeng, Wu Nan, Zhang Xianfu, Ghadari Karkaj Rahim, Liu Xuepeng, Guo Fuling, Dai Songyuan, Isomeric D-Dopant-Free Hole Transport Materials: Effect of the Substitution Position and Heteroatom on the Performance of Perovskite Solar Cells, *ChemistrySelect*, 2022/07/07

Wei Tingting, Peng Yuqi, Mo Lie, Chen Shuanghong, Ghadari Karkaj Rahim, Li Zhaoqian, Hu Linhua, Modulated bonding interaction in propanediol electrolytes toward stable aqueous zinc-ion batteries, *Science China-Materials*, 2022/05/01

Sun Yuan, Zhao Chundie, Zhang Jinxue, Peng Yaole, Ghadari Karkaj Rahim, Hu Linhua, Kong Fan, & Tai, Multifunctional organic semiconductor for dopant-free perovskite solar cells, *Synthetic Metals*, 2022/04/01

Han Mingyuan, Zhang Xianfu, Liu Siliang, Chi Chenxi, Zhou Zian, Wu Nan, Ghadari Karkaj Rahim, Wang Ying, Liu Xuepeng, Ding Yooung, Cai Molang, Qu Zuopeng, Dai Songyuan, Effect of the substitution position and extending the conjugation in naphthalene-triphenylamine hole transport materials for perovskite solar cells, *Synthetic Metals*, 2021/12/09

Ghadari Karkaj Rahim, Ghanbari Sevda, Mohammadzadeh Yousef, A computational study on the interactions between a layered imine-based COF structure and selected anticancer drugs, *JOURNAL OF MOLECULAR MODELING*, 2021/02/01

Ghadari Karkaj Rahim, Saei Paria, Sadat, Sabri Alireza, Ghassemi Zarrin, Kong Fan, .27

Tai, Enhanced phthalocyanine-sensitized solar cell efficiency via cooperation of nitrogen-doped carbon dots, JOURNAL OF CLEANER PRODUCTION, 2020/09/01

Zhou Xiang, Kong Fan, & Tai, Sun Yuan, Huang Yin, Zhang Xianxi, Ghadari Karkaj Rahim, Benzothiadiazole-based hole transport materials for high-efficiency dopant-free perovskite solar cells: Molecular planarity effect, Journal of Energy Chemistry, 2020/05/01

Ghadari Karkaj Rahim, Sabri Alireza, Saei Paria, Sadat, Kong Fan, Tai, Marques Helder M., Phthalocyanine-silver nanoparticle structures for plasmon-enhanced dye-sensitized solar cells, SOLAR ENERGY, 2020/03/01

Zhou Zian, Zhang Xianfu, Liu Cheng, Ma Shuang, Liu Xuepeng, Ghadari Karkaj Rahim, Mateen Muhammad, Young Yi, Ding Yooung, Cai Molang, Dai Songyuan, Comparative Study of Linear and Starburst Ethane-Based Hole-Transporting Materials for Perovskite Solar Cells, Journal of Physical Chemistry C, 2020/02/06

Zhang Xianfu, Zhou Zian, Ma Shuang, Wu Gao, Liu Xuepeng, Mateen Muhammad, Ghadari Karkaj Rahim, Wu Yonzhao, Ding Yong, Cai Molang, Dai Songyuan, Fused tetraphenylethylene-triphenylamine as an efficient hole transporting material in perovskite solar cells, CHEMICAL COMMUNICATIONS, 2020/02/03

Zhou Xiang, Kong Fan, Tai, Sun Yuan, Huang Yin, Zhang Xian, Xi, Ghadari Karkaj Rahim, Dopant-free benzothiadiazole bridged hole transport materials for highly stable and efficient perovskite solar cells, DYES AND PIGMENTS, 2020/02/01