卢胜杰副教授个人简介

2020年06月15日 18:43 点击: [3942]

卢胜杰，男，博士，副教授，山东菏泽人，出生于1988年2月，2012年毕业于烟台大学应用化学系，2017年获得中国科学院化学研究所物理化学专业博士学位，攻读博士期间获得“中国科学院大学三好学生”、“中国科学院化学研究所所长优秀奖学金”、“中国科学院化学研究所青年科学优秀奖”、“中国科学院化学研究所优秀毕业生”等荣誉称号，2017年9月通过“优秀博士引进计划”加入菏泽学院化学化工学院。菏泽学院多孔纳米功能材料研究所青年骨干。目前主持山东省自然基金项目（博士基金）一项（第八副族金属掺杂硅半导体团簇的光电子能谱和理论计算研究，ZR2018BB040，9万）。曾参与国家自然基金面上项目一项（碱金属卤盐、亚硝酸盐、醋酸盐在水中溶解的微观机理研究，21543007）和973项目一项。主要研究方向为金属掺杂半导体团簇的结构和性质、贵金属团簇催化C-H键及C-C键偶合反应机理。在Nanoscale, J. Phys. Chem.A,J. Phys. Chem. C, Phys. Chem. Chem. Phys., J. Chem. Phys., Sci. Rep.,RSC Adv.,Chem. Phys. Lett.等国际期刊累计发表SCI论文10余篇，其中中科院SCI一区2篇，中科院SCI二区10篇，中科院SCI三区4篇。

代表性论文:

(1)**Sheng-Jie Lu**, Xi-Ling Xu*, Hong-Guang Xu*, and Wei-Jun Zheng*,Structural evolution and bonding properties of Au2Sin-/0(n = 1–7)clusters: Anion photoelectron spectroscopy and theoreticalcalculations,J. Chem. Phys., 2018, 148:244306

(2)**Sheng-Jie Lu***,Structuresand properties of PdnC2$^-$/0(n = 1−7) clusters,Chem. Phys. Lett., 2018,705: 65-70

(3)**Sheng-Jie Lu***,Probing the structural evolution and bonding properties of PtnC2$^-$/0(n = 1−7) clusters by density functional calculations,Chem. Phys. Lett., 2018,699: 218-222

(4)**Sheng-Jie Lu***, Probing the geometric structures and electronic properties of anionic and neutral Pt3C2clusters by density functional calculations,Chem. Phys. Lett., 2018, 694:70-74

(5)**Sheng-Jie Lu**, Xi-Ling Xu*, Guo-Jin Cao, Hong-Guang Xu*, and Wei-Jun Zheng*,Structural evolution of B2Sin$^-$/0(n = 3−12)clusters:size-selectedanion photoelectron spectroscopy and theoretical calculations,J. Phys. Chem. C, 2018, 122: 2391-2401

(6)**Sheng-Jie Lu**, Hong-Guang Xu*, Xi-Ling Xu*, and Wei-Jun Zheng*, Anion photoelectron spectroscopy and theoretical investigation on Nb2Sin−/0(n = 3-12) clusters,J. Phys. Chem. C, 2017, 121: 11851-11861

(7)**Sheng-Jie Lu**, Guo-Jin Cao, Xi-Ling Xu, Hong-Guang Xu*, and Wei-Jun Zheng*, Structural and electronic properties of NbSin−/0(n = 3-12) clusters: anion photoelectron spectroscopy andab initiocalculations,Nanoscale, 2016, 8: 19769-19778

(8)**Sheng-Jie Lu**, Xi-Ling Xu, Gang Feng, Hong-Guang Xu*, and Wei-Jun Zheng*, Structural and electronic properties of AuSin−(n = 4-12) clusters: photoelectron spectroscopy andab initiocalculations,J. Phys. Chem. C, 2016,120: 25628-25637

(9)**Sheng-Jie Lu**, Lian-Rui Hu, Xi-Ling Xu*, Hong-Guang Xu, Hui Chen, and Wei-Jun Zheng*, Transition from exohedral to endohedral structures of AuGen−(n = 2–12) clusters: photoelectron spectroscopy andab initiocalculations,Phys. Chem. Chem. Phys., 2016, 18: 20321-20329

(10)Quoc Tri Tran,**Sheng-Jie Lu**, Li-Juan Zhao, Xi-Ling Xu, Hong-Guang Xu, Van Tan Tran*, Jun Li*and Wei-Jun Zheng*,Spin–orbitsplittings andlow-lyingelectronicstates of AuSi and AuGe:anionphotoelectronspectroscopy andab Initiocalculations,J. Phys. Chem.A, 2018,122: 3374-3382

(11)Xue Wu,**Sheng-jie Lu**, Xiaoqing Liang, Xiaoming Huang, Ying Qin, Maodu Chen, Jijun Zhao*, Hong-Guang Xu, R.Bruce King, and Weijun Zheng*, Structures and electronic properties of B3Sin−(n = 4-10) clusters: a combinedab initioand experimental study,J. Chem. Phys., 2017,146: 044306

(12)Yuan-Yuan Jin,**Sheng-Jie Lu**, Andreas Hermann, Xiao-Yu Kuang*, Chuan-Zhao Zhang, Cheng Lu*, Hong-Guang Xu*, and Wei-Jun Zheng, Probing the structural evolution of ruthenium doped germanium clusters: photoelectron spectroscopy and density functional theory calculations,Sci. Rep., 2016, 6: 30116

(13)Guo-Jin Cao*,**Sheng-Jie Lu**, Hong-Guang Xu, Xi-Ling Xu*, Wei-Jun Zheng, Structures and electronic properties of B2Si6-/0/+: anion photoelectron spectroscopy and theoretical calculations,RSC Adv., 2016,6: 62165-62171

(14)Xiaoming Huang,**Sheng-Jie Lu**, Xiaoqing Liang, Yan Su, Linwei Sai, Zeng-Guang Zhang, Jijun Zhao*, Hong-Guang Xu*, and Weijun Zheng, Structures and electronic properties of V3Sin−(n = 3-14) clusters: a combined ab initio and experimental study,J. Phys. Chem. C, 2015, 119: 10987-10994

(15)Xiaoming Huang, Hong-Guang Xu,**Sheng-Jie Lu**, Yan Su, R. B. King, Jijun Zhao*, and Wei-Jun Zheng*, Discovery of a silicon-based ferrimagnetic wheel structure in VxSi12−(x = 1-3) clusters: photoelectron spectroscopy and density functional theory investigation,Nanoscale, 2014, 6: 14617-14621

(16)Xiaoqing, Liang, Xiao-Jiao, Deng,**Sheng-Jie Lu**, Xiao-Ming Huang, Hong-Guang Xu, Wei-Jun Zheng*, and Xiao Cheng Zeng***,**Probing structural, electronic and magnetic properties of iron-doped semiconductor cluster Fe2Gen-/0(n = 3-12) via joint photoelectron spectroscopy and density-functional study,J. Phys. Chem. C, 2017, 121: 7037-7046

上一条：张凤荣副教授个人简介
下一条：林枫副教授简介

【关闭】

菏泽学院化学化工学院
地址：山东省菏泽市牡丹区大学路2269号
电话：0530-5668809 邮编：274015

菏泽学院
HEZE UNIVERSITY

修德 笃学 求是 创新