

Special Issue on A Celebration of the 100th Birthday of Prof. Kun Huang

■ RESEARCH HIGHLIGHTS

- 090201 **Cross-dimensional electron–phonon coupling**
[1 page] Jun Zhang

■ COMMENTS AND OPINIONS

- 090301 **Major scientific accomplishments of Prof. Kun Huang**
[4 pages] Jianbai Xia

■ NEWS AND VIEWS

- 090401 **Exciton–polaritons in semiconductors**
[2 pages] Qing Zhang and Xinfeng Liu

■ EDITORIAL

- 090101 **Preface to the Special Issue on A Celebration of the 100th Birthday of Prof. Kun Huang**

[1 page] Preparatory Committee for the Conference

- 090102 **On the applicability of adiabatic approximation in multiphonon recombination theory**

[4 pages] Kun Huang

■ REVIEWS

- 091001 **Lattice vibration and Raman scattering of two-dimensional van der Waals heterostructure**

[7 pages] Xin Cong, Miaoling Lin, and Ping-Heng Tan

- 091002 **Reducing the power consumption of two-dimensional logic transistors**

[6 pages] Weisheng Li, Hongkai Ning, Zhihao Yu, Yi Shi, and Xinran Wang

- 091101 **Some recent advances in *ab initio* calculations of nonradiative decay rates of point defects in semiconductors**

[6 pages] Linwang Wang

- 091102 **Applications of Huang–Rhys theory in semiconductor optical spectroscopy**

[9 pages] Yong Zhang

■ ARTICLES

- 092001 **Broadband polarized photodetector based on p-BP/n-ReS₂ heterojunction**
[8 pages] Wenkai Zhu, Xia Wei, Faguang Yan, Quanshan Lv, Ce Hu, and Kaiyou Wang
- 092002 **A gate-free MoS₂ phototransistor assisted by ferroelectrics**
[6 pages] Shuaiqin Wu, Guangjian Wu, Xudong Wang, Yan Chen, Tie Lin, Hong Shen, Weida Hu, Xiangjian Meng, Jianlu Wang, and Junhao Chu
- 092101 **Revisit of the band gaps of rutile SnO₂ and TiO₂: a first-principles study**
[6 pages] Xuefen Cai, Peng Zhang, and Su-Huai Wei
- 092501 **Giant modulation of magnetism in (Ga,Mn)As ultrathin films via electric field**
[5 pages] Hailong Wang, Jialin Ma, and Jianhua Zhao