

# ELECTRONIC PROPERTIES OF DOPED SEMICONDUCTORS%0A

[Electronic Properties of Doped Semiconductors](#)

Electronic Properties of Doped Semiconductors With 106 Figures Springer-Verlag Berlin Heidelberg New York Tokyo 1984. tivity of a lightly doped semiconductor (A

[Electronic Properties of Doped Semiconductors GBV](#)

B.I. Shklovskii A.L. Efros Electronic Properties of Doped Semiconductors With 106 Figures Springer-Verlag Berlin Heidelberg New York Tokyo 1984

[Electronic Properties of Doped Semiconductors B I](#)

Electronic Properties of Doped Semiconductors Electronic States in Heavily Doped Semiconductors. Shklovskii, Boris I. (et al.) Pages 255-267.

[The electronic and optical properties of Cu doped CdI<sub>2</sub>](#)

Based on the density functional pseudopotential method, the electronic structures and the optical properties of CdI<sub>2</sub> doped with Cu are investigated in detail.

[Electronic structure and optical properties of Sb doped](#)

Electronic structure and optical properties of Sb-doped SnO<sub>2</sub> Z. Q. Li,<sup>1</sup> Y. L. Yin,<sup>1</sup> X. D. Liu,<sup>1,a</sup> L. Y. Li,<sup>2</sup> H. Liu,<sup>2</sup> and Q. G. Song<sup>3</sup> <sup>1</sup>Tianjin Key Laboratory of Low

[Electronic Properties of Doped Semiconductors Springer](#)

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[Electronic and optical properties of boron doped](#)

Electronic and optical properties of boron-doped nanocrystalline diamond lms W. Gajewski,<sup>1</sup> P. Achatz,<sup>2,3</sup> O. A. Williams,<sup>4</sup> K. Haenen,<sup>4</sup> E. Bustarret,<sup>2</sup> M. Stutzmann

[Optical and electronic properties of H doped ZnO](#)

Optical and electronic properties of ZnO doped with interstitial hydrogen were investigated using density functional theory approach. The stable position of H<sup>+</sup> was

[FIRST PRINCIPLES STUDY OF ELECTRONIC AND OPTICAL](#)

FIRST-PRINCIPLES STUDY OF ELECTRONIC AND OPTICAL PROPERTIES OF Mn-DOPED 3C-SiC FILMS NAICHAO CHEN\*, JIANGXIN REN, QUNZHI ZHU and PING HE College of Energy and

[Investigations on the structural optical and electronic](#)

and electronic properties of Nd doped ZnO thin lms M Subramanian<sup>1</sup>, P Thakur<sup>2</sup>, S Gautam<sup>2</sup>, K H Chae<sup>2</sup>, M Tanemura<sup>1</sup>,

[Electronic structure and optical properties of Bi N co](#)

Electronic structure and optical properties of Bi,N co-doped SnO<sub>2</sub> Yong Feng<sup>1</sup> Bao-Jun Huang<sup>1</sup> Sheng-Shi Li<sup>1</sup> Bao-Min Zhang<sup>1</sup> Wei-Xiao Ji<sup>1</sup> Chang-Wen

[The Electronic Structures and Optical Properties of](#)

In this work, in order to understand the doping mechanism, the formation energies, electronic structures and optical properties of anatase TiO<sub>2</sub> doped by AEM (Be, Mg, Ca, Sr, Ba) are investigated by using DFT calculations.

[Tailoring the electronic structure and optical properties](#)

properties of cadmium-doped zinc oxides nanosheet has shown the possibility to tune its electronic and optical properties by an appropriate doping with

[Electronic properties and reactivity of Pt doped carbon](#)

Electronic properties and reactivity of Pt-doped carbon nanotubesw Wei Quan Tian,<sup>z</sup> Lei Vincent Liu and Yan Alexander Wang\* Received 17th March 2006, Accepted 24th

[First principles study of electronic structures and](#)

arXiv:1203.0701 First-principles study of electronic structures and optical properties of Cu, Ag, and Au-doped anatase TiO<sub>2</sub> Meili Guo and Jiulin Du

[Electronic structure studies of Fe doped ZnO nanorods by x](#)

Study of structural and optical properties of iron doped ZnO thin films semiconductors at RT. on the local electronic structure properties of ZnO by using

[Electronic Properties of Doped Semiconductors](#)

Electronic Properties of Doped Semiconductors With 106 Figures Springer-Verlag Includes bibliographical references and index. 1. Doped semi

[Electronic properties and nonlinear optical responses of](#)

ARTICLE Electronic properties and nonlinear optical responses of boron/nitrogen-doped zigzag graphene nanoribbons Yang-Yang Hu, Wei-Qi Li, Li Yang, Ji-Kang Feng, and

[OPTICAL AND ELECTRONIC PROPERTIES OF METAL DOPED POLYMERS](#)

Optical and electronic properties of metal doped polymers for integrated optics 333 0 3 Fig. 2. Optical absorption spectra taken on a doped PAA:(Fe+Sn) sample after

[Study of structural electronic and optical properties of](#)

First-principle calculations have been carried out to investigate structural stabilities, electronic structures and optical properties of tungsten doped bismuth

[Feature rich electronic properties of aluminum doped graphenes](#)

1 INTRODUCTION Feature-rich electronic properties of aluminum-doped graphenes Shih-Yang Lin,<sup>a</sup> Yu-Tsung Lin,<sup>a</sup> Ngoc Thanh Thuy Tran,<sup>a</sup> Wu-Pei Su,<sup>b</sup> Ming-Fa Lin,<sup>a</sup>

[Doping semiconductor Wikipedia](#)

Both p and n junctions are doped at a  $10^{15}$  /cm<sup>3</sup> doping level, layer of the wafer needs to be doped in order to obtain the desired electronic properties.

[Ferromagnetism and perfect spin ltering in transition](#)

Ferromagnetism and perfect spin ltering in transition-metal-doped nanoribbons are semiconductors with structures and electronic properties of one

[Electronic and optical properties of La doped Sr Ir O](#)

1 Electronic and optical properties of La -doped Sr<sub>3</sub>Ir<sub>2</sub>O<sub>7</sub> epitaxial thin-films . M. Souri,<sup>1</sup> J. Terzic,<sup>1,2</sup> J. M. Johnson,<sup>1</sup> J. G. Connell,<sup>1</sup> J. H. Gruenewald,<sup>1</sup> J

[Electronic and optical properties of Er doped in AlN](#)

investigate the structural, electronic and optical properties of Er-doped wurtzite AlN by employing the rst-principles calculation based on density functional

[Electronic and optical properties of vacancy doped WS2](#)

Electronic and optical properties of vacancy-doped WS<sub>2</sub> monolayers Jian-wei Wei, Zeng-wei Ma, Hui Zeng, Zhi-yong Wang, Qiang Wei et al. Citation: AIP Advances 2

[Electronic Properties of Boron and Nitrogen Doped Graphene](#)

Nano Hybrids Vol. 5: Electronic Properties of Boron and Nitrogen Doped Graphene

[First principles study on electronic structure and optical](#)

First-principles study on electronic structure and optical properties of In-doped GaN Xingxiang Ruan, Fuchun Zhang\* and Weihu Zhang College of Physics and Electronic

[Semiconductor Wikipedia](#)

The semiconductor materials used in electronic devices are doped under precise Although some pure elements and many compounds display semiconductor properties,

[Electronic Device Lecture1 P N Junction Doping](#)

Electronic Device Lecture1. electronic devices To study the properties of materials for electronic devices To understand the p-type doped Silicon (or

[6KXEQLNRY GH DDVPHDVXUHPHQWV IOPscience](#)

Electronic properties of gated -doped semiconductors Electronic and optical properties the convergence as a

function of Nz for a highly doped SL (nS D 5:0a

[Carbon monoxide adsorption on carbon atom doped perfect](#)

Carbon monoxide adsorption on carbon atom doped perfect electronic properties of BNNTs and their adsorption con- always viewed as semiconductors,

[Electronic Structure and Optical Properties of Co and Fe](#)

Journal of Nano Research Vol. 43: Electronic Structure and Optical Properties of Co and Fe Doped ZnO

[Electronic structure and optical properties of Sb doped SnO2](#)

Electronic structure and optical properties of Sb-doped SnO<sub>2</sub> Z. Q. Li,<sup>1</sup> Y. L. Yin,<sup>1</sup> X. D. Liu,<sup>1,a</sup> L. Y. Li,<sup>2</sup> H. Liu,<sup>2</sup> and Q. G. Song<sup>3</sup> <sup>1</sup>Tianjin Key Laboratory of Low

[Electronic structure and optical properties of Fe doped](#)

The electronic structure and optical properties of Fe-doped SnS<sub>2</sub> were investigated using first-principle calculations. The results suggest that Fe-doped SnS<sub>2</sub> is a

[Electronic and optical properties of O doped monolayer](#)

To gain insights into effects induced by the O dopant, the electronic band structures of the pristine as well as O-doped monolayer MoS<sub>2</sub> are calculated and provided

[Electrical doping the impact on interfaces of conjugated](#)

Electrical doping: the impact on interfaces of electronic structure, chemical properties and electrical behaviour must be fully p doped with F

[Electronic properties and STM images of doped bilayer graphene](#)

PHYSICAL REVIEW B 85, 035444 (2012) Electronic properties and STM images of doped bilayer graphene Stephane-Olivier Guillaume, <sup>1</sup>Bing Zheng, <sup>2,\*</sup> Jean-Christophe

[Structural Optical and Electrical Properties of Sn doped](#)

Structural, Optical and Electrical Properties of Sn-doped Zinc Oxide Transparent Films Interesting for Organic Solar Cells A 7BC87 0A& G;