Electronic Structure And Magnetism Of 3d Transition Metal Pnictides Springer Series In Materials Science 131 Band 131 By Kazuko Motizuki Hideaki Ido Tadaei Itoh Masato Morifuji

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3d transition metal doping induced electronic structures

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april 15th, 2020 - electronic structure and magnetism of 3d transition metal pnictides kazuko motizuki hideaki ido tadaei itoh masato morifuji this book presents the results of investigations into the magnetic properties of 3d transition metal pounds in particular it deals with 3d metal pnictides i e pounds containing phosphorus arsenic antimony or bismuth'

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octahedral t phase by means of the first principles calculations the results show that h vte 2 t vte 2 h fete 2 and t mnte 2 monolayers exhibit intrinsic ferromagnetism and the others have no

ferromagnetism'

'**ELECTRONIC STRUCTURE AND ROOM TEMPERATURE OF 2D DILUTE**

MAY 21ST, 2020 - 3 2 ELECTRONIC STRUCTURES AND MAGNETISM OF PURE AND SINGLE MN DOPED BL MOS 2 THE CALCULATED EQUILIBRIUM LATTICE CONSTANT AFTER OPTIMIZATION IS WHICH IS CLOSER TO THE EXPERIMENTAL VALUE AND IN GOOD AGREEMENT WITH THEORETICAL VALUE 3 18 å IN ADDITION TO THIS THE CALCULATED INTERLAYER DISTANCE THE DISTANCE BETWEEN TWO ML OF BL MOS 2 IS FOUND TO BE 6 543 å AND THE BAND GAP'

'**ELECTRONIC STRUCTURE AND MAGNETISM OF TRANSITION METAL**

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'**3d transition metal doping induced electronic structures**

May 5th, 2020 - conclude that 3d tm doping can induce the change of electronic structures and magnetism of 1t hfse 2 monolayers which is important for applications in semiconductor spintronics'

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based on d d level repulsions''**electronic structure magnetism and superconductivity in**

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structure which is regarded as a distorted nias type structure crystallographic phase transition b ween the nias and the mnp typesoccursin some of mx'

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