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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, Türkiye 1982 - 1987

Yüksek Lisans, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, Türkiye 1979 - 1982

Lisans, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, Türkiye 1974 - 1979

Yaptığı Tezler

Doktora, Two dimensional systems in solid state physics, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 1987

Yüksek Lisans, Electronic Properties of Si (Schottky) Diodes, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 1982

Akademik Unvanlar / Görevler

Prof.Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 1998 - Devam Ediyor

Doç.Dr., Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 1989 - 1998

Öğretim Görevlisi, Orta Doğu Teknik Üniversitesi, Fen Edebiyat Fakültesi, Fizik Bölümü, 1988 - 1989

Yönetilen Tezler

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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. Structural stability and electronic properties of different cross-sectional unstrained and rectangular cross-sectional strained GaP nanowires

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- II. **First-principles calculations for mechanical and electronic features of strained GaP nanowires**
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- IV. **Structural and electronic properties of GaP nanowires**
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PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES, cilt.73, ss.213-219, 2015 (SCI-Expanded)
- V. **Structural properties of Alumnum nitride compound**
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- VI. **FIRST-PRINCIPLES CALCULATIONS FOR THE STRUCTURAL AND ELECTRONIC PROPERTIES OF Sc_xAl_{1-x}N ALLOYS**
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- VII. **THE STRUCTURAL AND ELECTRONIC PROPERTIES OF BN_xAs_{1-x} ALLOYS**
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- IX. **The structural and electronic properties of BAs and BP compounds and BP_xAs_{1-x} alloys**
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- XI. **The electronic band structures of InNxAs_{1-x}, InNxSb_{1-x} and InAs_xSb_{1-x}, alloys**
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- XII. **Adsorption and dissociation of PH₃ on SiGe(100) (2x1) surface**
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- XIII. **The electronic band structure of InN, InAs and InSb compounds**
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- XIV. **The electronic structure of capped and uncapped CdS nanoparticles**
Ercan I., KATIRCIOĞLU §.
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- XV. **The electronic band structure of Gan, GaAs and In_xGa_{1-x}As_{1-y}N_y alloys**
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- XVI. **Dissociation of Ph-3 and AsH₃ on Ge(100)(2x1) surface**
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- XVII. **The electronic band structure of AlN, AlSb, AlAs and their ternary alloys with In**
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- XVIII. **The electronic structure of GanPm(n+m = 5, 17, 29, 35), Ga13P4 (in SiO₂) and Ga13P4 (in sodalite) clusters**
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Katircioglu S.
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- XXV. **Density functional theory calculations of small ZnmSn clusters**
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- XXXI. **Molecular-dynamics simulation of stepped Si(100) surface**
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- XXXV.** **Dependence of energy levels and optical transitions on layer thicknesses in InSe/GaSe superlattices**
Erkoc S., Katircioglu S.
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- XL.** **ADSORPTION SITES OF GE ADATOMS ON STEPPED SI(110) SURFACE**
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- XLI.** **DEPENDENCE OF RESONANCE STATES ON DOPING LEVEL AND DOPING DISTRIBUTION TYPE IN GAAS
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- XLII.** **EMPIRICAL TIGHT-BINDING TOTAL ELECTRONIC-ENERGY CALCULATION FOR SINH2M (N = 1 TO 6, M = 1 TO 3) CLUSTERS**
KATIRCIOGLU S., ERKOC S.
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- XLIII.** **WATER-ADSORPTION ON THE SI(110) SURFACE**
ALHAYEK I., KATIRCIOGLU S.
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- XLIV.** **ELECTRONIC-ENERGY CALCULATION OF C-60 CLUSTERS**
KATIRCIOGLU S., ERKOC S., HALICOGLU T.
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- XLV.** **STRUCTURAL STABILITY AND ENERGETICS OF SI4 ISOMERS - TOTAL ELECTRONIC-ENERGY
CALCULATION**
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- XLVI.** **STRUCTURAL STABILITY AND ENERGETICS OF AS, SB AND BI MICROCLUSTERS - EMPIRICAL MANY-BODY POTENTIAL-ENERGY FUNCTION CALCULATION**
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- XLVIII.** **METALLIC PHASE OF AMORPHOUS-SILICON**
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- XLIX.** **DISSOCIATION OF Au-n (n=3,4) MICROCLUSTERS: A MOLECULAR DYNAMICS SIMULATION**
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Diger Dergilerde Yayınlanan Makaleler

- I. A comparative study of the electronic properties of aluminum nitride compounds
Mohammad R., KATIRCIOĞLU Ş.
TURKISH JOURNAL OF PHYSICS, cilt.40, sa.3, ss.219-230, 2016 (ESCI)

Metrikler

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