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Lecture Notes in Nanoscale Science and Technology

Meteoritics & Planetary Science

Meteoritics & Planetary Science

International Journal of Thermal Sciences

Physical Review

Journal of Applied Physics

MRS Proceedings,

Journal of Materials Science

Physical Review

Meteoritics and Planetary Sciences

p

Nano Energy

Meteoritics & Planetary Science

Philosophical Magazine

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Physical Review Letters

Physica B

Condensed Matter from Space: Thermal and Physical Properties of CM2 Meteorites

Understanding Thermoelectric Materials: Experimental Determination of Phonon Thermal Conductivity and Lorenz Ratio of Single Crystal Bismuth Telluride

Sustainability and the Human Person

Iron Rich Stoichiometry for $FeSb_X$ *Produces Higher Thermoelectric Figure of Merit*

$FeSb_2$ *Nanocomposite Yields Higher Thermoelectric Figure of Merit*

Jesuits in Newton's Orbit - Influences on the Principia Mathematica

Jesuits and the Sciences at Georgetown University II, How do Jesuit Scientists find God in all things?

Physics Research and Impact of Post-Doc Experience on a Jesuit-Priest-Physicist

Ferromagnetic order found at 298 K in $(Sn_{0.995}Cr_{0.005})Te$ *and is SnTe metallic?*

Ferromagnetic order at 298 K in $Cr_{0.005}Sn_{0.995}Te$

When a Good Martensite Metal Goes Bad

Heavy Fermion and Antiferromagnetic Crossover Behaviors

Magneto-Striction and Charge Density Wave Behavior at the Pre-Martensite Transition in Ni_2MnGa

Calorimetry of Ferromagnetic Heuslers in High Magnetic Fields: Observation of a Pseudo-gap in Ni_2MnGa*,*

ARPES on U and the Pseudogap in Ni_2MnGa

LEED, ARPES and WIEN2K Band Structure Calculation of

Uranium and Other New Results

Specific Heat, Antiferromagnetism and Quantum Critical Behavior in $U(Pt_{1-x}Pd_x)_3$

Experimental Determination of Phonon Thermal Conductivity and Lorenz Ratio of Single Crystal Bismuth Telluride at Intermediate Temperatures.

Measurements of CM Carbonaceous Chondrites

Thermoelectric Properties of CuAgSe doped with Co, Cr

SS11.22-
Thermoelectric Properties of Co Doped CuAgSe

204.03 – Characterizing
Asteroid Thermal Properties through the Laboratory Study of Meteorites

Separating Lattice and Electronic Thermal Conductivity in Bi_2Se_3 *and* Bi_2Te_3

Nanostructured YbAgCu4 for potential cryogenic thermoelectric cooling

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Asteroid Population Characterization: Low-Temperature Thermal Conductivity and Heat Capacity Measurements of Ordinary and Carbonaceous Chondrites,

CC7.02 Separating Lattice and Electronic Contributions of Thermal Conductivity in Metals: Cu, Zn & Al

Thermoelectricity of Ce

Keynote Address: Energy Matters,

Magnetic and structural behaviors in (Sr1_xLax)2IrO4

Destruction of J_e *=1/2 Mott Phase by A-site doping in* $(Sr_{1-x}La_x)_3Ir_2O_7$

Magnetoresistence Measurements of Textured and Non-Textured Bismuth Thin Films

Enhancement of thermoelectric figure of merit of nanostructured FeSb2 by adding Cu nanoparticles,

Thermoelectric Study of Copper Selenide

Thermoelectric Properties of Nanostructured $CeCu_6$

TT2.10 Magneto-Transport in Nano-Grained Thermoelectric Materials

Separating Lattice and Electronic Contributions of Thermal Conductivity in Cu and W

Combined Transport, Magnetization and Neutron Studies of Structural and Magnetic Behavior in $Ca_3Ir_4Sn_{13}$

Transport Properties of Ce, Sm, and Ho Doped Bismuth Antimony

Enhanced thermoelectric figure of merit (ZT) of Te-doped $FeSb_2$ *nanocomposite,*

 # Evidence of Phonon Drag Effect in Nanocomposite $FeSb_2$

 # Transport Properties of Samarium Doped $Bi_{88}Sb_{12}$

 # Enhanced Thermoelectric Properties of FeSbx Nanocomposites Through Stoichiometric Adjustment,

 # Ce doped Bismuth Antimony,

Enhancing thermoelectric properties of FeSb2 by altering stoichiometry and nanostructure,

Experimental Determination of the Lorenz Number

Magnetotransport in thermoelectric materials

Characterization of Doped $CeCoIn_5$*,*

Ho Doped Bi_xSi_y *Nanopolycrystalline Alloys*

Elastic collapse and avalanche criticality near a Mott transition

Uniaxial stress/strain of meteorites

Thermal Conductivities of Two Basaltic Achondrite Meteorites

Thermal Conductivities and Porosities of Stony Meteorites,

Ferromagnetic order at 298 K in $Cr_{0.005}Sn_{0.995}Te$*,*

Physical Properties Of Meteorites: A Review

New Thermal Conductivity Measurements of Meteorites: Implications for Asteroid Models

Martensite Transition in Ni_50.5Mn_34.4In_15.1 and Ni_49.6Mn_36.6Sn_13.8

Quantum Fluctuation of the Order Parameter in a Structural Phase Transition

Pseudo-gap Formation and Magneto-Resistance at the Pre-Martensite Transition in Ni_2MnGa

Magneto-Resistance at the Pre-Martensite Transition in Ni_2MnGa

Pseudo-gap Observed at Martensite Transition in Ni_2MnGa Single Crystal

Specific heat of tri-glycine sulfate in electric field

First Principles electronic structure of shape-memory alloy Ni_2MnGa,

Recent Results on Uranium

Angle Resolved Photoemission Spectroscopy of Single Crystal Uranium (001)

Volume Collapse of Cerium

Photoemission Spectroscopy on Single Crystal Uranium (001)

Photoemission Spectroscopy on Single Crystal Uranium (001)

SR Study of Magnetism and Magnetic Inhomogeneity in $(U,Th)Pt_3$

Crossover from Anomalous to Conventional Antiferromagnetism in Pd-Doped UPt_3 *Studied via Cantilever Magnetometry*

: Study of the Relationship Between Magnetic Order and Superconductivity in Heavy-Fermion $(U,Th)Pt_3$

Characterization of the Normal State Transport Properties of $U(Pt_{1-x}Pd_x)_3$ *Polycrystals* $0 \leq x \leq 0.020$

Normal State Magnetic Susceptibility and Antiferromagnetic Correlations in $U(Pt_{1-x}Pd_x)_3$ *for* $0 \leq x \leq 0.020$

Susceptibility and Transport Studies of $RuSr_2GdCu_2O_{8-}$ *(Ru1212)*

Energy Matters"

Suppression of Pyroelectric Excitations with External Magnetic or Electric Fields

, Applied Physics Letters

Thermoelectric Property Studies of Nanostructured Bulk Materials

Muon Spin Resonance Study of Spin Dynamics in $LiY_{1-x}Ho_xF_4$,

Power Factor Improvement and Thermal Conductivity Reduction by Band Engineering and Modulation-doping in Nanocomposites

Thermoelectric Transport Properties of Novel Nanoscaled Materials via Homemade and Commercial Apparatus Measurements

A Biologically Inspired Model of Bat Echolocation in a Cluttered Environment with Inputs Designed from Field Recordings,

Nanoimprint Lithography for Sensing Devices *degeneracies on the evolution of magnetism in $Na_4Ir_3O_8$ and α-$NaMnO_2$*

Electronic and Magnetic Properties of the Cuprates, Iridates, Rutheno-Iridates