BIOLOGY

Protein Crystal Growth Studies in the Low-Gravity Environment of the 19.5 T NMR Magnet ◖IHRP◗ 13
MR Microimaging Studies of Mouse Brains for Generation of a Web-Based Atlas and Methods for Identification of Brain Structures 14
NMR Microscopy and Spectroscopy of Single Cells 15
Baseline Resolution of Isobaric Phosphorylated and Sulfated Peptides and Nucleotides by Electrospray Ionization FT-ICR MS: Another Step Toward Mass Spectrometry-Based Proteomics 15
Induced Fit in Multi-Substrate Enzyme Catalyzed Reactions 16
Electrospray Ionization Fourier Transform Mass Spectrometric Analysis of Wine 16
Structural and Dynamical Studies of IA-3, a Potent Yeast Proteinase A Inhibitor 17
Structure/Function Relations of Neuropeptides and Neuropeptide Precursor Proteins 18
Structure of the Inhibitory Region of TnI in the Ternary Complex by SDSL-EPR Spectroscopy 18
Evidence for Malic Enzyme Activity in Isolated Beating Hearts 19
Multicompartmental Diffusion and Diffusion Tensor Imaging of Isolated Rat Heart and Perfused Heart Slices 20
Membrane Protein Structural Genomics of *Mycobacterium Tuberculosis* 20
Solid State NMR Observation of Phenylalanine Residues in M_2 Protein from Influenza A Virus 21
The Role of Tryptophan Side Chains in Tuning Single Channel Proton Conductance Through Gramicidin Channels 21
Electron Capture Dissociation and Infrared Multiphoton Dissociation MS/MS of an N-Glycosylated Tryptic Peptide Yield Complementary Sequence Information 22
High Sensitivity Electron Capture Dissociation Tandem FT-ICR Mass Spectrometry of Microelectrosprayed Peptides 23
Analysis of Osteoblast Gene Expression When Gravitational Forces are Counterbalanced by Magnetic Forces 23
Hydrogen Exchange Rate Constants by Site-Specific Substitution: GlyGly 25
"Visible Frog": High Resolution Three Dimensional Magnetic Resonance Imaging of Fixed Frog 25
Behavioral and Neural Effects of High Strength Magnetic Fields 26
Histidine Residue pH Titration of the Transmembrane Part of M2 Protein from Influenza A Virus by ^{15}N Magic Angle Spinning Solid-State NMR Spectroscopy 26
Simulation of Motion in EPR Spectra of Muscle Fibers ◖IHRP◗ 27
Conformational Analysis and NMR Spectral Simulation of Helices 27
Uniformity, Ideality, and Hydrogen Bonds in Transmembrane α-Helices 28
Amino Terminal Extension Alters the Folding Pathway of FK506 Binding Protein 29
MR Microscopy of a Developmental-Stage-14 Fixed Human Embryo from the Carnegie Collection 30
Charge Reduction Lowers Mass Resolving Power for Isotopically Resolved Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectra 30
Pseudouridine-Induced Formation of a Eukaryotic Branch Site Recognition Motif in the Catalytic RNA Core of the Spliceosome 31
Characterization of the P13 Membrane Protein of *Borrelia burgdorferi* by Mass Spectrometry 32
Tetrameric Structure of the M2 Transmembrane Peptide 32
ESR on Carotenoid Triplet States in *Rhodospirillum rubrum* LH-I 33
The Influence of Strong Magnetic Fields on Gene Regulation ◖IHRP◗ 34
High Sensitivity Fourier Transform Ion Cyclotron Resonance Mass Spectrometry for Biological Analysis with Nano-LC and Microelectrospray Ionization 35
High Field ESR Analysis of a Site-Directed Mutant with Altered Hydrogen-Bonding to the Primary Electron Donor of Photosystem I 35
Parameterization of Slow-Motional EPR Spectra Using Molecular Dynamics ◖IHRP◗ 36
Probing the Structural Features of the Pre-mRNA Branch Site-p14 Complex 36
NMR Microscopy of Isolated Perfused Rat and Human Brain Slices 37
Structural Studies of Mutacin 1140 37
Smooth Muscle Dynamics. Effects of RLC Phosphorylation 38
Active Site Characterization and Solution Dynamic Study of TEM-1 β-Lactamase 38
The Solution Structure of the 123 Amino Acid Yeast Frataxin Homologue Protein "Yfhlp" 38
NMR Studies of Red Blood Cell Ghosts 39
H/D Exchange Experiments of the M2 Proton Channel Reconstituted in DMPC/DMPG Lipid Bilayers Using Solid State NMR 40
Disordered to Ordered Transition in the Regulation of Diphtheria Toxin Repressor 41
Intracellular PCr in Striated Muscle Diffuses as a Homogeneous Pool 41
Investigation of Structure and Stability in a Synthetic Variant of the C-Terminal Fragment of Ovomucoid Third Domain 42
High Field ESR of the Bacteriochlorophyll Radical Anion in Organic Frozen THF Solution 42
Monomeric Structure Refinement of the M2 Transmembrane Peptide 43
MRI Elucidation of the 3-D Structure of Subterranean Termite Habitats 44

CHEMISTRY

Complexation and Molecular Speciation in the Silica Sol-Gel Process Characterized by Electrospray Ionization Fourier Transform Ion-Cyclotron Resonance Mass Spectrometry 45
Mapping the Morphology of Polymer Blends by Single Point Magnetic Resonance Imaging 45
Characterization of Amino Acid Side Chain Losses in Electron Capture Dissociation 45
Specific Binding of Metal Ion to an RNA Tetraloop 46
Establishment of an FTICR-Free Electron Laser Facility for Obtaining Infrared Spectra of Gaseous Ions 47
Multiple Bilayer Dipalmitoylphosphatidylserine (DPPS) LB Films Stabilized with Transition Metal Ions 48
Gas Phase RNA and DNA Ions. Conformational Dependence of the Gas-Phase H/D Exchange of Nucleotide-5'-Monophosphates 48
Proton NMR and Dynamic Studies of Hydrous Ruthenium Oxide 49
Elemental Composition Analysis of Processed and Unprocessed Diesel Fuel by Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry 50
Kendrick Mass Defect Spectrum: A Compact Visual Analysis for Ultrahigh-Resolution Broadband Mass Spectra 50
^{17}O NMR Study of Humic Acid 51
Characterization of Fe-MCM-41 Molecular Sieves by Multifrequency EPR 52
Nonrandom Unfolded States Affect Protein Folding 53
EPR from "EPR-Silent" Species: High Frequency and Field EPR of Ionic Complexes of Nickel(II) 53
EPR from "EPR-Silent" Species: High Frequency and Field EPR Spectroscopy of Catalytically Relevant Cobalt(I) Molecular Complexes 54
Cr^{3+}-Doping Effects of $KTiOPO_4$ Studied by ^{31}P NMR 55
Phase Transitions and Microscopic Environments in TlH_2PO_4 (TDP) and TlH_2AsO_4 (TDA) Systems 55
Observation of the Crystallization Process of Zeolite MCM-22 by High Speed, High Field, Solid State NMR 56
Solid State NMR Studies of $Li_xV_2O_5$ Material 56
Study of Gramicidin A in Long Chain Lipid Bilayers by Solid State NMR 57
Structural Characterization of MAO and Related Aluminum Complexes. II. Isobutylaluminoxane Hydride, A High Aluminum-Content Cluster 57
Flow Uniformity and Axial Development in Low Pressure Chromatography Measured by Magnetic Resonance Imaging Velocimetry IHRP 58
FT-ICR Studies of Polypyrazolyl-1-yl Borates of Europium (II) Adducts 59
Resolution and Identification of Elemental Compositions for More than 3000 Crude Acids in Heavy Petroleum by Negative-Ion Microelectrospray High-Field Fourier Transform Ion Cyclotron Resonance Mass Spectrometry 59
Quadrature Detection for the Separation of the Signals of Positive and Negative Ions in Fourier Transform Ion Cyclotron Resonance Mass Spectrometry 60
Adjusting the Magnetic Anisotropy in High-Spin Metal-Cyanide Clusters: Measurement of Zero-Field Splitting Parameters via High Field EPR 61
Noise Analysis for Two-Dimensional Tandem FT-ICR Mass Spectrometry 61
High Field EPR Investigations of Solid Catalytic Materials 62
Picosecond Dynamics of Electron Exchange in V^{4+}/TiO_2 Catalyst 63
Composition of Explosives by Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry 64
Prolylpeptide Binding by a Prokaryotic SH3-Like Domain 65

GEOCHEMISTRY

Sr, Nd, and Hf Isotope Compositions of Hawaiian Ultramafic Xenoliths 67
Middle Pleistocene Climate and Habitat Change Recorded in Fossil Herbivore Teeth from the Peking Man Site 67
Isotopic Characteristics of Basalts from the Central Basin Fault, West Philippine Basin 68
Determining the Mineralogy of the MORB Source through Nd-Isotope Analyses of Abyssal Peridotites 68
Near Mantle Solidus Trace Element Partitioning at Pressures up to 3.4 GPa 69
Temporal Chemical Variations within Lowermost Jurassic Tholeiitic Magmas of the Central Atlantic Magmatic Province 70
Pb Isotopic Ratios in Volcanic Rocks from ODP Leg 195, Site 1201, West Philippine Basin 71
Suwannee River Fulvic Acid Protonation and Nd-Binding from 25 to 100 °C in 0.03 to 0.5 m NaTr Media 71
Iceland Revisited 72
Sea Level Rise and Carbon Sequestration in Coastal Wetlands 73

SUPERCONDUCIVITY - BASIC

Disorder and Transport in d-Wave Superconductors 75
Low-Temperature Normal-State Hall Effect in High-T_c $Bi_2Sr_{2x}La_xCuO_{6+\delta}$ Revealed by 60 T Magnetic Fields 75
Magnetoresistivity and Complete $H_{c2}(T)$ in MgB_2 76
Magnetic Field Effects on T_c and the Pseudogap Onset Temperature in Cuprate Superconductors 77
Pairing Fluctuation Theory of High T_c Superconductivity in the Presence of Nonmagnetic Impurities 78

Anisotropic Critical Field Study of α-$(ET)_2NH_4Hg(SCN)_4$ Using rf Penetration Depth 78
Quantum Phase Fluctuations in the Cuprate Superconductors 79
Quasiparticle Lifetimes in Cuprate Superconductors 79
Mixed Singlet and Triplet Superconducting Order Parameter at a Surface 80
Pseudogap Temperature in Cuprates as an Onset of a Phase-Separated Regime 80
Superconducting $d_{x^2-y^2}+id_{xy}$ Phase Glass 81
Fractional Charges in Helium Bubbles 81
Anisotropic Superconductivity in Epitaxial MgB_2 Films 81
Transport Properties of La_2CuO_{4+y}, a Spin-Density Wave-Forming Superconductor 82
Magnetotransport of $La_{2-x}Sr_xCuO_4$ Single Crystals in High Magnetic Fields: Search for Quantum Critical Point 82
Immense Quantum Vortex Liquid Regime in Overdoped $Bi_2Sr_2CaCu_2O_{8+y}$ 83
The Microscopic Phase Separation in Superconducting La_{2-x} Sr_xCuO_4 85
Vortex Line Tension Transition in the Liquid State of Columnar Defected $YBa_2Cu_3O_{7-d}$ 85
Complex Gap Nature of MgB_2: Magnetic Field-Dependent Optical Studies 86
Electrical Transport Properties of Bulk MgB_2 and Underdoped $Y_{1-x}Pr_xBa_2Cu_3O_{7-\delta}$ Thin Films Under High Magnetic Field 87
Spatially Resolved Electronic Structure Inside and Outside the Vortex Core of a High Temperature Superconductor ◖IHRP◗ 87
Interlayer Electrodynamics of the Vortex State in κ-$(BEDT\ TTF)_2Cu(NCS)_2$ 88
Fermi Surface and Spectral Functions of a Hole Doped Spin-Fermion Model for Cuprates 89
Robust D-Wave Pairing Correlations in a Hole-Doped Spin-Fermion Model for Cuprates 89
Contactless Conductivity of MgB_2 89
Collective Mode in a Superconductor with Mixed-Symmetry Order Parameter Components 90
MHz Techniques for the Measurement of Superconducting Phase Diagrams: Application to Two Organic Superconductors of Differing Effective Dimensionality 90
A Characteristic Field Scale in Cuprates Determined by the Nernst Effect 92
^{63}Cu NMR Studies of High Temperature Superconductors Under High Magnetic Fields Beyond 40 T 93

SUPERCONDUCIVITY - APPLIED

Textured YBCO Coated Conductor by Sol-Gel Process ◖IHRP◗ 95
Nb_3Al Superconductors for High Field NMR 96
YbBCO Coated Conductor Development by Continuous Sol-Gel Process 96
Josephson Current Through Antiferromagnetic Weak Link 97
Stress-Strain-I_c (σ–ε-I_c) Relationships for AgMg/Bi-2212 Tapes 98
High Magnetic Field Performance of Nb_3Sn Superconducting Strands 98
High Performance Nb_3Sn(Ta) by Tin Enrichment and Increased Filament Content 99
HTS Conductor Characterization at 27 K 100
Interpretation of the Critical Current in $Bi_2Sr_2Ca_2Cu_3O_x$ Tape Conductors as Parallel Weak-Link and Strong-Link Paths 101
Magneto-Optical Imaging Study of Crack Formation in Superconducting Tapes Caused by Applied Strain 102
Measurement of Mono Element Internal Tin (MEIT) Superconductors from 17 to 10 T 103

QUANTUM SOLIDS

Spin Diffusion Anisotropy in Polarized Fermi Liquids ◖IHRP◗ 105
Viscosity of Highly Polarized Very Dilute ^3He-^4He Mixtures ◖IHRP◗ 105
Angular Magnetoresistance Oscillations in $PrBa_2Cu_4O_8$ 106
Theoretical Studies of the Order/Disorder Transitions of Molecular H_2 in 2D 107
Studies of Quantum Tunneling in 2D Monolayer Films of Helium Three 107
The Effect of Vacancy Doping on the Haldane-Spin-Liquid State in $PbNi_{2-x}Mg_xV_2O_8$ 108

KONDO / HEAVY FERMION SYSTEMS

Longitudinal and Transverse Magnetoresistance of UIrGe 109
High Field Magnetotransport in $Ce_{1-x}La_xRhIn_5$ and $CeRh_{1-x}Ir_xIn_5$ Heavy Fermion Alloys 109
Change in the Effective Masses in $YbAl_3$ Above 40 T 110
Observation of a Second Energy Scale in $YbAl_3$ Above 40 T 111
Correlated Electron Materials 111
High Field Magnetization of the HF compounds $CeNi_2Ge_2$ and $YbRh_2Si_2$ 112
High Field Transport Properties of Yb_4As_3 113

The dHvA Effect in $La_{1-x}Ce_xM_yN_{1-y}In_5$ 113
High Field de Haas - van Alphen Study of $CeCoIn_5$ 114
Quantum Oscillations in Alloys of $Ce_xLa_{1-x}IrIn_5$, in $LaIrIn_5$, and in La_2MIn_8 (M = Ir and Rh) 115
Locally Critical Quantum Phase Transitions in Heavy Fermion Systems 116
Two Energy Scales in $YbInCu_4$ 116
Magnetic and Transport Properties of the New Antiferromagnetic Kondo-Lattice $CeNiBi_2$ 117
Field-Induced Anomaly at $H_{metamag}$ in $CeIrIn_5$: Search for Field-Induced Non-Fermi Liquid Behavior 118
Magnetoresistance of $YbAl_3$ 118
Anomalous Superconductivity and Field-Induced Magnetism in $CeCoIn_5$ 119
Anisotropic Phase Diagram of $YbInCu_4$ 119
Ultrasonic Velocity Measurements in UPt_3 and URu_2Si_2 in Pulsed Magnetic Fields 120
Magnetoresistance in $U_{2-x}Th_xCu_9Al$ Compounds 121
de Haas - van Alphen Measurements on $CeRhIn_5$ Under High Pressure 121
Low Temperature Resistivity of U_2Co_2Sn — A Search for Crossover Behavior 122

MOLECULAR CONDUCTORS

Magnetic Field Induced Superconductivity in a Magnetic Organic Insulator 123
Angular Dependent Magnetoresistance Measurements at 47.8 T: A New DC High Field Record 123
Magnetothermopower Study of Quasi Two-Dimensional Organic Conductor α-$(ET)_2KHg(SCN)_4$ 124
Exploring the Superconducting to Unusual Normal State Transition in κ-$(ET)_2Cu(SCN)_2$ via Infrared Spectroscopy 125
1.9 GHz Proton NMR Study of Spin Density Waves in $(TMTSF)_2PF_6$ ◖IHRP◗ 126
Magnetic Field-Induced Density Wave Transition in a τ-Phase Organic Conductor 127
Ag^+ Ionic Mobility in $Ag_xNi_{x/2}Ti_{1-x/2}O_2$ (x = 0.85, 0.67) Studied by Solid-State ^{109}Ag NMR at High Magnetic Field 128
Persistent Currents in Charge-Density Wave Systems 128
Shubnikov-de Haas Oscillations of $(TMTSF)_2FSO_3$ 129
Electrodynamics of the High Field State in α-$(BEDT\text{-}TTF)_2KHg(SCN)_4$ 131
The Quasi-Two Dimensional Vortex State in κ-$(BEDT\text{-}TTF)_2Cu(NCS)_2$ 131
Radio Frequency Skin Depth Measurements of a Layered Organic Metal 132
Angular Study of the Magnetic Breakdown Effect in the Organic Conductor κ-$(BEDT\text{-}TTF)_2CU(NCS)_2$ in High Magnetic Fields 133
High Field Properties on $(TMTSF)_2PF_6$ Under Uniaxial Strain and θ-$(BEDT\text{-}TTF)_2RbZn(SCN)_4$ 133
A Model for the Intrinsically Broad Superconducting to Normal Transition in Organic Superconductors 134
Cyclotron Resonance in the Organic Superconductor β-$(BEDT\text{-}TTF)_2IBr_2$ 134
Detailed Comparison of Hydrogenated and Deuterated κ-$(BEDT\text{-}TTF)_2Cu(NCS)_2$ 135
On the In-Plane Magnetoconductivity of Crystalline Organic Molecular Metals 137
Tests of the Criteria Used to Determine Interlayer Incoherence Employing Layered Organic Conductors and the 45 T Hybrid Magnet 138
Angular Magnetoresistance in a τ-Phase Organic Conductor 139
Density Wave Transition in a τ-Phase Organic Conductor 140
Linear High Field Magnetoconductivity up to H = 30 T of Highly Conducting Polyacetylene 141
Field Induced Superconductivity in Organic Conductors λ-$(BETS)_2Fe_xGa_{1-x}Cl_4$ 142
Magneto-Photoluminescence Study of Organic Molecular Crystals 143

SEMICONDUCTORS

Quantum Hall Ferromagnetism in Diluted Magnetic Semiconductor Heterostructures 145
High Field Transport Studies of Doped Hexaborides 146
Anisotropic Spin Exchange in Pulsed Quantum Gates 146
Quantum Projector Method on Curved Manifolds 146
The Defects Responsible for the Persistent Photoconductivity in Si-Doped GaAs 147
Dynamics of Resonant Energy Transfer in Quantum Dot Assemblies: Toward Engineered Functionality in Artificial Solids ◖IHRP◗ 148
Magnetic Field and Temperature Dependence of Exciton Dynamics in Semiconductor Nanocrystallites 149
Integer and Fractional Quantum Hall Effect in AlAs Two-Dimensional Electrons 150
Order Parameter Theory for Anderson Localization 151
Liquid Crystal Phases of Quantum Hall Systems 151
High Field NMR in Partially Ordered III-V Semiconductors 152
Resistance Noise Across a Two-Dimensional Metal-Insulator Transition 153
High Magnetic Field Photoluminescence Studies of Semiconductor Alloys 154
Pressure Dependent Band Gap Energies and Diamagnetic Shifts in AlGaAs Alloys 154
Reentrant Insulating Phase Above the ν = 2/5 Fractional Quantum Hall Effect in Vertically Confined Two-Dimensional Electron System 155
Transport and Magnetic Phenomena in Doped IV-VI Semiconductors 156

Spin Dependent Recombination in Integrated Circuits at Very High Magnetic Fields: Exploring Conventional Device Physics and Potential Applications in Quantum Computing 157
Microwave Resonances of the Bubble Phases in 1/4 and 3/4 Filled Higher Landau Levels ◖IHRP◗ 157
Temperature Dependence of Electrically Detected Electron Spin Resonance in the Regime of the Quantum Hall Effect 158
Anisotropic State in the Integer Quantum Hall Regime 158
Experimental Evidence for a Spin-Polarized Fractional Quantum Hall Effect at ν=5/2 159
Determination of Manganese Acceptor Pair Interaction Energy from Optical Polarization Studies at High Magnetic Fields 160
Measurement of the Carrier Concentration of (GaMn)As 161
Magneto-Tunneling Through Stacked InAs Self-Assembled Quantum Dots 162
Cyclotron Resonance Studies on 2D Electrons in AlGaN/GaN 162
Spin Polarization of a Dilute GaAs Two-Dimensional Electron System in a Parallel Magnetic Field 163
Magneto-Optical Study of Giant Gap Reduction for Dilute $GaAs_{1-x}N_x$ Alloys 164
Pulsed Field Optical Spectroscopy of Charged Excitons in ZnSe-Based Quantum Wells 164
Theoretical Study of Electron-Electron Correlation in the Quantum Hall Regime 165
95 MHz Pinning Mode Resonance of High Mobility Quantum Well Sample ◖IHRP◗ 166
Origin of Photoluminescence in Porous Silicon 166
Magnetophonon Spectroscopy of Quantum Hall Systems 167

MAGNETISM AND MAGNETIC MATERIALS

Quantum Oscillations in 4H - $BaRuO_3$ 169
Magnetoresistance of UIrGe Under High Pressure 169
Possible Origin of Magnetism in Hexaborids 170
Colossal Effects in Transition Metal Oxides Caused by Intrinsic Inhomogeneities 170
^{55}Mn NMR Studies of $La_xSr_{1-x}MnO_3$ ◖IHRP◗ 170
High Field NMR Studies of NaV_2O_5 to 44.7 T ◖IHRP◗ 171
Novel Quantum Phenomena in Bilayered $Ca_3Ru_2O_7$ ◖IHRP◗ 172
Quasi-One-Dimensional $BaIrO_3$: On the Verge of Weak Ferromagnetic Metallic State◖IHRP◗ 173
Complex Conductivity of UNiGe in Applied Magnetic Fields 174
Metamagnetic Transitions in UPdSn, B//c Axis 175
Magnetic and Thermodynamic Characterization of $MnCl_3(C1_2H_8N_2)$—An S=2 Heisenberg Antiferromagnetic Chain 175
Colossal Magnetoresistant Materials: the Key Role of Phase Separation 176
Search for Field-Induced Magnetic Transitions in Pr_3RuO_7 176
Large Magnetoresistance of Thermally Sublimated Bi/Au Films ◖IHRP◗ 177
Magneto-Optic Measurements of Amorphous Gd-Si Alloys 177
Magnetoresistance (MR) of UPdSn Under High Pressure 178
Magnetoresistance of Spinel $CuIr_{2-x}Cr_xS_4$ 179
Prediction of Orbital Ordering in Single-Layered Ruthenates 180
MegaGauss Sensors 180
Development of Specific Heat Measurements in the 45 T Hybrid Magnet 180
Hall Effect in the Field-Induced Metallic State of Charge-Ordered Manganites 181
Critical Exponents in $SrRuO_3$ 181
High Magnetic Field Studies of S=1/2 Spin Ladders 182
High Field Experiments on US 183
Optical Evidence of Multiphase Coexistence in a Single Crystalline $(La,Pr,Ca)MnO_3$ 183
Electronic Phase Separation and Giant Cluster Coexistence in Manganites 184
High Magnetic Field Studies of Novel Magnetic Materials ◖IHRP◗ 184
Far-Infrared Study of Low-Dimensional Spin-Gap Systems in Very High Magnetic Field 185
Magnetoresistance Measurements on the Single Layered Ruthenate $Ca_{2-x}Sr_xRuO_4$ 186
ESR Transmission Experiments on β'-$(ET)_2SF_2CF_2SO_3$ and $(ET)_2SF_5NNO_2$, Investigations of Spin-Peierls Systems ◖IHRP◗ 187
Systematic Spin Concentration Studies of $Ga_{1-x}Mn_xAs$ 188
Millimetre-Wave Experiments on the Quantum Ising Ferromagnet $LiHoF_4$ 188
Magnetization of a Novel Two-Dimensional Quantum Heisenberg Antiferromagnet 189
Fabrication and Properties of $(Hg,Pb)Ba_2Ca_2Cu_3O_{8+\delta}$ Silver-Sheathed Tapes ◖IHRP◗ 190
Growth of Superconducting $(Hg,Re)Ba_2Cu_2O_y$ Thin Films on Ag by Pulsed Laser Deposition ◖IHRP◗ 191
Magneto-Optic Effect in Mn_{12}-Acetate 192
Optical Study of the H-T Phase Diagram of α'-NaV_2O_5 193
High Magnetic Field Studies of Bi Doped $CaMnO_3$: Nature of the High Moment Region ◖IHRP◗ 194
High Magnetic Field NMR Studies of $LiVGe_2O_6$, a Quasi 1-D Spin S = 1 System 195
High Field Hall Effect in Half-Metallic CrO_2 Films 196
Growth Induced Twinning in Double Layered Ca-Ruthenates ◖IHRP◗ 196
Magnetic Properties of Molecular-Based Magnets ML(bpy) [M=Fe, Co, and Ni; L=C_2O_4, Cl_2, and $(N_3)_2$; bpy=4,4'-bipyridine] 197
Unusual Transport and Thermodynamic Properties of Rutile MnO_2 198

ESR Study of $(C_5H_{12}N)_2CuBr_4$ 199
Microwave Properties of $Nd_{0.5}Sr_{0.5}MnO_3$: A Key Role of the (x^2-y^2)-Orbital Effects ◖IHRP◗ 199

OTHER CONDENSED MATTER

Complete Elastic Tensor Across the Charge-Density Wave Transition in Monocrystal $Lu_5Ir_4Si_{10}$ 201
The Study of Ultrafast Structural Dynamics on Femtosecond Timescale with Time-Resolved Electron Diffraction 201
High Field Magnetoresistance and Magnetothermopower of Tensile-Stressed Bismuth Wires 202
Hall Effect and Magnetoresistance of $ReSb_2$ 203
Longitudinal Magnetoresistance of Ultrafine Bismuth Nanowire Arrays 204
High Field Properties of Single-Crystalline $CaVO_3$ 204
"High-Temperature" Oscillations of Bismuth Conductivity in the Ultra-Quantum Limit 205
Magnetic Effects on Ferrous Alloy Phase Stability at High Temperature 206
Tunneling of Correlated Electrons in the Ultra-Quantum Limit ◖IHRP◗ 207
Magnetoresistance and Activated Variable-Range Hopping Resistivity in a Bulk Quasicrystal AlPdRe Bar Sample 207
Magnetoresistance of an Insulating Amorphous Nickel Silicon Film 208
Ultrasonic Investigation of Charge-Order Phase Transition in $Pr_{0.5}Ca_{0.5}MnO_3$ 209
Spin Polarized Tunneling and Rotational Hall Effect Measurements of Gd_xSi_{1-x} 210

MAGNETIC RESONANCE TECHNIQUES

Design of a Super-Q Detection System for NQR 211
RF Homogeneity of a Solenoid with a Square Cross Section 211
High Field 19.6 T ^{27}Al Solid-State MAS NMR of Aluminated Brain Tissue 212
The Excited Triplet State of the Reaction Center of Rhodobacter Sphaeroides R26 Studied by Transient EPR at 240 GHz 213
Novel Use of Three-Dimensional Homonuclear NMR Spectra for Sequential and Stereospecific Assignment of an RNA Stem Loop 213
^{19}F Multiple-Quantum Solid-State MAS NMR of Membrane Proteins 214
NMR Spin Locking of Proton Magnetization Under Frequency Switched Lee-Goldburg (FSLG) Pulse Sequences 215
Multiple-Quantum Magic Angle Spinning with Rotary Resonance 216
Solid State NMR of Quadrupolar Nuclei at Very High Fields 217
The First Observation of Third-Order Quadrupolar Effect at High Fields 217
High Spatial Resolution of Solids Using a New Fourier Transform STRAFI Probe 218
D-Strain, g-Strain, and Dipolar Interactions in the Fe_8 and Mn_{12} Single Molecule Magnets 219
Optimizing STMAS 220
Magnetocrystalline Anisotropy in a Single Crystal of $CeNiGe_2$ 221
Multifrequency Microcoils for Biomolecular NMR Spectroscopy ◖IHRP◗ 222
Dynamic Evaluation of Blood-Spinal-Cord Barrier Disruption in Injured Rat Spinal Cord Using Magnetic Resonance Imaging 222
Role of Pseudouridine-Water Interactions in Stabilization of RNA Duplexes 223
Numerical Simulations of Electrically Detected ENDOR Spectra of 2D Electrons in GaAs/AlGaAs Quantum Wells 224
Fiber Tract Mapping with Magnetic Resonance Diffusion Tensor Imaging 225
New Heteronuclear STRAFI-Imaging Developments on the 19.6 T Magnet 226
Evanescent Resonant EMR ◖IHRP◗ 227
4 K Inductive Shield Magnetic Field Stabilization for NMR in Bitter Magnets ◖IHRP◗ 228
High Resolution MAS and 3QMAS NMR Studies of PMN-PSN Perovskite Relaxor Ferroelectrics 229
High Capacity Production of >40% Spin Polarized Xenon-129 for NMR and MRI Applications at the NHMFL ◖IHRP◗ 230

INSTRUMENTATION

Development of High Frequency Phased Array Rf Coils and Large Volume Coils 231
Calibration of RuO_2 Resistors for Specific Heat Measurements in a Dilution Refrigerator in Fields up to 170 kOe 231
Continuously Rotating Two-Angle Platform Measurements for Angular Dependent Magnetoresistance Studies 232
Radiofrequency Detection System for Measurements Using Reactive Transducers in Pulsed Fields ◖IHRP◗ 233
Ultrafast Coherent Terahertz Spectroscopy in High Magnetic Fields: Preliminary Application to YBCO ◖IHRP◗ 234
Nonmetallic, Rotatable Variable Temperature Sample Chamber for Use in the NHMFL Portable Dilution Refrigerator 235
Feedback Stabilization of the Keck Magnet 236
Two-Axis Rotation of Unusual Organic Superconductors at High Magnetic Fields, High Pressures and ^{3}He Temperatures ◖IHRP◗ 236
Ultrasonic Spectrometer for Pulsed High Magnetic Fields 237
A High Frequency Fabry-Perot Cavity for the Study of Spin-Labeled Compounds at Room Temperature 238

ENGINEERING MATERIALS

Magnetization of Candidate Materials for Bore Tube of 900 MHz Wide Bore Magnet 239
A Nanoparticle Reinforced Co-Ni Alloy 239
Properties of Cu-Nb Conductors 240
Materials Processing in Magnetic Fields 240
Transmission Electron Microscopy Microstructure Characterization Capabilities at the NHMFL 241

MAGNET TECHNOLOGY

Optimal Design of Magnetic Bottles for the Containment of Positrons 243
Comparative Analysis of Design Options for Current Leads for Wendelstein 7-X Magnet System 243
Innovative Bitter Magnet for Uniform Transverse Field over 20 T 244
Superconducting Nb_3Sn-Cable R&D for Magnets for Future Hadron Colliders 244
High Temperature Superconductor Insert Magnet for NMR Magnets 245
Investigation of Index Heating as Source of Quench in the NHMFL 45 T Hybrid Superconducting Outsert 245
Development and Testing of HTS Insert Magnets 246

CRYOGENICS

Introducing Neutrally Buoyant Tracer Particles in He II 247
A Study on the Temperature Dependent Drag Coefficient on a Sphere in Flowing Helium II 248
Analytical Study of Two Phase He II and Vapor 249
Pressure Drop and Heat Transfer in He II Forced Flow at High Reynolds Number 249
Particle Image Velocimetry (PIV) Study of Thermal Counterflow in He II 250

A

Achey, R.M. 192, 219
Adams, E.D. 105, 159
Agosta, C.C. 78, 133
Ahn, D. 162
Akimoto, H. 105
Akin, Y. 95-96
Alamo, R.G. 45
Alavi, B. 126
Albarède, F. 72
Alexander, C.S. 169
Alsmadi, A. 109, 169, 175, 178
Alver, U. 113-115
Alwood, J. 118
Ambrosio, G. 244
Ando, Y. 75, 82
Andrearczyk, T. 145
Angerhofer, A. 33, 42, 199
Anzai, H. 78
Aoki, H. 113
Arcon, D. 108
Ardavan, A. 128, 134, 138, 188
Arnowitz, L. 13
Aronson, M. 146
Aslanoglu, Z. 95-96
Astakhov, G.V. 164
Atkinson, W.A. 75
Austen, A. 96

B

Bachman, H.N. 87
Backov, R. 48
Bakker, D.J. 135
Balakirev, F. 75, 82, 120, 146, 209, 237
Balakrishnan, Paul, D. McK. 199
Balatsky, A.V. 81
Baldwin, K.W. 158-159
Balicas, L. 13, 106, 119, 123, 127, 133, 140, 142, 172, 186, 232
Bao, X. 56
Barzykin, V. 123, 170
Bauer, P. 244
Baxter, D. 161
Beck, B. 231
Bennett, M. 146, 174
Benveniste, H. 14
Bergström, S. 32
Betts, J.B. 75, 82, 180, 201
Bianchi, A.D. 231
Biggs, T. 135
Bird, M.D. 244
Birgeneau, R.J. 82
Bizimis, M. 67, 69
Blackband, S.J. 14-15, 20, 37, 39, 231
Blatter, G. 83
Blichert-Toft, J. 72
Boebinger, G.S. 75, 81-82, 89, 180, 201, 233
Bohna, N.A. 157
Bonesteel, N.E. 146
Bonn, D.A. 92
Boogaard, R. 184
Borges, H.A. 121
Bossi, I. 121
Bossio, R.E. 15, 45
Bowers, C.R. 158, 224, 230
Brey, W.W. 211, 218, 226, 236, 239
Broholm, C.L. 189
Brooks, J.M. 106
Brooks, J.S. 13, 34, 123-124, 127-128, 131, 133, 139-140, 142, 187, 227, 232
Brown, L. 18
Brown, S.E. 233
Brunel, L.-C. 35, 52-54, 61-63, 108, 157, 175, 199, 213, 238
Bryant, P.L. 212
Brück, E. 169, 174
Buckley, D.L. 20
Bud ko, S.L. 76
Budil, D.E. 27, 36, 213
Buhler, C. 89
Bui, J.D. 20, 37
Burgy, J. 170
Busath, D.D. 21
Buta, F. 96
Butler, L. G. 57, 212, 217
Bénézeth, P. 71

C

Caldwell, J. 158, 224
Caldwell, T. 170-171
Callahan, S.D. 45
Candela, D. 105
Canfield, P.C. 76
Cantrell, K. 239
Cao, G. 169, 172-173, 176, 181, 196, 198
Cao, J. 201
Carrilero-Borbujo, I. 45
Carvalho, A. 59
Caspar, D.L.D. 41
Cassell, J.A. 26
Castillo, O. 191
Cava, R.J. 89
Celestine, K. 204
Celik, D. 247, 250
Chang, S. 109, 169, 174-175
Chapman, M.S. 16, 20
Chen, C.Y. 147
Chen, Q.J. 77-78
Chen, Y. 157
Cheon, M. 160
Cheong, S.-W 179, 183
Childress, L. 188
Chiu, W. 20
Choi, E.S. 124, 139-140
Choi, E-M. 81
Choi, J. 125
Choi, Y.H. 73
Choi, Y.S. 248
Christianson, A.D. 109, 183
Chung, O.H. 129
Cisek, P. 98
Cizmár, E., P.J 175
Clark, S. 16
Clark, W.G. 126, 195
Coffey, T. 78
Collings, E.W. 96
Collins, C. 231
Condrea, E. 202
Conroy, M.J. 23
Cooper, H.J. 16, 22, 32, 45, 59
Cornelius, A.L. 110-111
Costello, C.E. 22
Croft, M. 194
Crooker, S.A. 148-149, 154, 164, 193, 234
Cross, T.A. 20-21, 26-28, 32, 40, 43, 51, 57, 211, 214-215
Crow, J.E. 169, 172-173, 176, 181, 196, 198
Crozier, S. 231
Cunningham, C.E. 76

D

D' Antonio, M. 71
Dagotto, E. 170, 172, 176, 180
Dalal, N.S. 55, 192, 219
Dalban-Canassy, M. 247
De Poortere, E.P. 150, 163
Deal, A. 213
DeFord, M. 225
Deng, T. 67
Denny, J.K. 27
Dick, H.J.B. 68
DiVincenzo, D. 146
Dobrosavljevic, V. 151
Donavan, H. 119
Donehew, B. 177
Dorsey, A.T. 79, 151
Douglas, C. 29, 53
Douglas, E.P. 240
Drader, J.J. 60
Drymiotis, F. 111, 198
Du, R.R. 167
Du, X. 177
Duensing, R. 231
Duffy, D. 79
Dunn, B. 17
Dynes, R.C. 210

E

Ebihara, T. 110-111, 114, 118
Edison, A.S. 17-18, 37, 42, 222
Edwards, R.S. 134, 188
El-Kawni, M.I. 95-96
Ellington, W.R. 16
Emmett, M.R. 22-23, 35, 47
Engel, L.W. 157, 162, 166

Epperson, J.D. 46, 213
Eschrig, M. 87
Espinoza, E. 18
Eyler, J.R. 47

F

Fajer, P. 18, 27, 36, 38
Fanous, M. 243
Fanucci, G.E. 48
Feher, A. 175
Ferl, R.J. 34
Field, M.B. 98
Filina, N.N. 249
Fisk, Z. 111, 113-115, 119, 121, 146, 186
Fitzsimmons, J. 231
Forder, J.R. 19-20
Fortune, N. 235
Frank, H.A. 213
Freitas, M.A. 48, 59
Fronczek, F.R. 57
Fu, R. 48-49, 55-56, 211, 214-215, 218, 226
Fujioka, K. 68
Furdyna, J.K. 160-161
Fuzier, S. 249

G

Gaboardi, M. 67
Galeriu, C. 182
Galli, F. 201
Gamble, B.K. 203
Gan, Z. 51, 57, 128, 212, 216-217, 220, 229
Gao, F. 20-21, 214
Gard, G. 187
Gavilano, J.L. 195
Gavrilin, A.V. 243-244
Geerts, W. 177
Gegenwart, P. 112-113
Geibel, C. 112
Germain, S. 222
Giapintzakis, J. 108
Gibbs, S.J. 45, 58
Glazman, L.I. 207
Goddard, P.A. 90, 128, 135, 137-138, 236
Gong, P. 73
Goodrich, R.G. 113-115, 119, 121
Gor'kov, L.P. 80, 97, 123, 170
Gor'kov, P.L. 211, 217-218, 226, 236
Goto, A. 126, 195
Gowen, J.A. 21
Graf, D. 127, 133
Graf, M.J. 204
Grandinetti, P. 216
Granroth, G.E. 175
Grant, S. 14-15, 39
Green, T. 17
Greenbaum, N.L. 31, 36, 46, 213, 223
Gregory, E. 96
Grozav, A.D. 202
Grönvold, K. 72
Guerrero, L. 41
Guertin, R.P. 176

H

Haldane, F.D.M. 165
Hall, D. 114-115, 119, 121, 239
Hall, R.W. 57, 212
Halperin, W.P. 87, 228
Hames, W.E. 70
Hammel, P.C. 233
Hammer, B.E. 23
Han, K. 239-241
Han, O.H. 128
Hannahs, S. 155, 235
Hare, J.T. 23
Hari, P. 152
Harrison, N. 112-113, 116, 128, 132, 134, 138, 183-184, 188-189, 221
Harwell, C.R. 57
Hascicek, Y.S. 95-96
Hayes, R. 225
He, F. 25
He, Y. 38
Hebard, A.F. 177
Hellman, F. 177, 181, 210
Hendrickson, C.L. 23, 30, 35, 47, 50, 60, 64
Henelius, P. 81
Henry, J.Y. 195
Hentges, R.W. 98
Hickey-Vargas, R. 68, 71
Hilbelink, D. 25
Hill, S. 88, 131, 219
Hillman, C. 233
Hillman, J. 37
Hills, R. 18
Hinks, D.G. 120
Hirano, N. 68
Hirschfeld, P.J. 75, 79
Hoatson, G.L. 229
Hollingsworth, J. 148-149
Honda, F. 178
Hong, S. 98
Hor, Y.S. 179
Horii, S. 106
Hotta, T. 176, 180
Houpt, T.A. 26
Housman, A. 180
Hsieh, Y.P. 73
Hsu, E. 20
Hu, J. 26, 214
Huber, T.E. 204
Hudgins, R.R. 45
Hughey, C.A. 50, 59
Huguenard, C. 220
Hundley, M.F. 109, 118
Hussey, N.E. 106
Hwang, S.W. 162
Håkansson, K. 22-23, 32, 45

I

Ihas, G. 122
Imbasciati, L. 244
Ingersent, K. 116
Inoue, I.H. 204
Ishii, T. 68
Ishmaku, A. 239
Isolani, P.C. 59
Itskos, G. 160
Iwasa, Y. 245
Iwashita, K. 133
Iyengar, A.P. 77

J

Jackiw, R. 81
Jaime, M. 81, 112-113, 116, 120, 179-181, 184, 188, 194, 196, 209, 237
Jap, B.K. 20
Jardim, R.F. 121
Jaroszynski, J. 145, 153
Jegoudez, J. 193
Jenkins, K. 231
Jensen, D.A. 199
Jeong, D.Y. 162
Jo, Y.J. 129
Jones, E.D. 154
Jonnson, H. 222
Jorge, G. 181
Jung, J.H. 86
Jung, M.-H. 76, 81, 109, 117-118, 169, 175, 204, 221

K

Kalu, P.N. 241
Kamarad, J. 169, 178
Kamenev, K.V. 199
Kang, H. 129
Kang, W.N. 81, 129, 155
Kao, Y.-J. 77
Karapetrov, G. 85
Kastner, M.A. 82
Kay, J. 17
Kelly, P.H. 35
Kern, S. 183
Ketterson, J. 120, 209, 237
Ketterson, J.B. 120, 237
Khairy, K. 27, 36
Khaykovich, B. 82
Khokhlov, D.R. 156
Kim, B.G. 183
Kim, D. 181, 240
Kim, H-J. 81
Kim, J.S. 118, 122
Kim, K.H. 82, 180, 183, 209
Kim, M.W. 183
Kim, S. 27-28, 32, 43, 214
King, B.F. 51
Kispert, L.D. 52
Klapwijk, T.M. 153
Klehe, A.-K. 135
Klimov, V.I. 148-149
Klingenberg, B. 34
Knott, B. 217, 220
Kobayashi, A. 123, 142
Kobayashi, H. 123, 142
Koehler, P.G. 44
Kokshenev, V.B. 107
Komiya, S. 82

Konovalova, T.A. 52
Koo, T.Y. 183
Korepanova, A. 29, 53
Kovacs, F. 43
Kovalev, A. 131
Krasovitsky V.B. 205
Kresin, V.Z. 97
Krusin-Elbaum, L. 83
Krzystek, J. 53-54
Kuhns, P. L. 85, 87, 93, 126, 152, 170-171, 195, 228
Kukovitskii, E.F. 85
Kumar, P. 118
Kwok, W.K. 85
Kwon, H.-J. 79

L

Lacerda, A.H. 76, 81, 109, 117, 120-121, 169, 175, 178, 203-204, 209, 221, 231, 237
Landee, C.P. 182
Lander, G.H. 183
Lapertot, G. 76
Lappas, A. 108
Lavrinovicha, M. 32
Lawrence, J.M. 110-111, 118
Lee, C.E. 55
Lee, H.J. 86, 183, 245
Lee, S-I. 81
Lee, Y.S. 82
Lenahan, P.M. 157
Levin, K. 77
Lewis, R.M. 157, 166
Leyngold, I. 29, 53
Li, H. 38
Li, J. 197
Li, Shi 87
Li, Y. 35, 222
Likai, S. 18
Lin, S.T. 207
Ling, S. 206
Liu, J. 161
Liu, X. 160
Lockett, E. 30
Logan, T.M. 16, 29, 41, 53, 65, 222
Loll, P.J. 20
Long, J.R. 61
Longhi, J.E. 69
Lukiw, W.J. 212
Luo, H. 160
Luongo, C.A. 243, 245
Luton, M.J. 206
Lyons, E. 188

M

Ma, D. 56
Ma, Z. 49, 56
Macaluso, R. 113
Maccagnano, S. 219
Machida, S. 68
Maeno, Y. 186
Mahendiran, R. 188
Mallory, R. 160
Manfra, M.J. 162
Mao, S. 245
Mapes, E.J. 21
Maple, M.B. 87
Maran, A. 23
Marcenat, C. 85
Mareci, T. 25, 30, 222, 225
Marin, M. 16
Marken, K. 98
Markham, J.C. 21
Markiewicz, D. 239
Marques, N. 59
Marshall, A.G. 15-16, 20, 22-23, 25, 30, 32, 35, 45, 47-48, 50, 59-61, 64
Martin, C. 78
Martin-Mayor, V. 170
Mascarenhas, A. 164
Maslov, D.L. 207
Massiot, D. 217
Masuhara, N. 159
Matan, K. 82
Mayr, M. 170
Mbaruku, A. 98, 100
McBrien, M.N. 106
McCall, S. 169, 180-181, 198
McCombe, B.D. 160
McKenzie, D. 72
Meining, C.J. 160
Meisel, M.W. 34, 175, 199
Melik-Alaverdian, V. 146
Melinte, S. 163
Miao, H. 98
Mielke, C.H. 82-83, 89-90, 127-128, 132-134, 137-138, 174, 176, 233
Mielke, C.M. 161
Migliori, A. 120, 180, 201, 209, 233, 237
Migliori, B. 201
Mihut, I. 133
Mila, F. 195
Miller, G. 244
Miller, J.R. 243, 245
Mitrovic, V.F. 87, 228
Mixson, D. 118
Mizuno, Y. 133
Mo, Y. 57
Mobashery, S. 38
Moerland, T.S. 41
Mola, M. 88
Molnar, R.J. 162
Mommouton, B. 227
Montgomery, L.K. 90, 128, 132, 138
Moraghebi, M. 89
Moreno, N.O. 109
Moreo, A. 89, 170, 176, 184
Morgan, A.N. 34
Moritomo, Y. 209
Morrison, S.E. 21
Moss, P.L. 56
Moulton, W.G. 85, 87, 93, 126, 152, 170-171, 195, 228
Movshovich, R. 116, 231
Mrse, A.A. 57
Muccillo, R. 121
Mullin, W.J. 105
Murata, K. 133
Murayama, T. 75
Murphy, J. 41, 65
Murphy, T.P. 114-115, 119, 121
Musfeldt, J.L. 125, 192-193
Mydosh, J.A. 112, 180, 184, 201

N

Nagel, U. 185
Nakamoto, R.K. 20
Nakatsuji, S. 111, 119, 186
Nakotte, H. 109, 169, 174-175, 178, 204
Nam, M.-S. 90, 138
Narduzzo, A. 128, 134
Naughton, M.J. 233
Negusse, E. 131
Nerdal, W. 57
Newby, M.I. 31, 223
Nikolic, B.K. 151
Nilsson, C.L. 22, 32
Nishimura, K. 26, 32, 214
Noe, A. 30
Noh, T.W. 86, 183
North, J.M. 219
Novak, J. 37

O

Ochiai, A. 113
Oh, J.E. 162
Oh, J.H. 162
Okuyucu, H. 96
Olejniczak, I. 125
Olshanetsky, E. 158, 224
Ong, N.P. 92
Ono, S. 75, 82
Opella, S.J. 20
Orendác, M., P.J 175
Ortiz G. 146
Östberg, Y. 32
Ott, H.R. 195
Ozarslan, E. 225

P

Pagliuso, P.G. 109, 114-115, 119, 121, 221
Palczewska, M. 160
Palm, E.C. 114-115, 119, 121
Palmer, D.A. 71
Pan, W. 158-159
Papavassiliou, G.C. 127, 139-140
Park, J.-H. 175, 199
Park, J.C. 58
Park, K. 219
Park, M.H. 128
Park, Y.W. 141
Parks, C. 107
Parrell, J.A. 98
Parrish, S.H., Jr. 33
Pastor, A.A. 151
Patel, P. 222

Paul, A.-L. 34
Paulius, L.M. 85
Persson, G. 222
Petrou, A. 160
Petrovic, C. 76
Pfeiffer, L.N. 155, 157-159, 162, 166
Phillips, M.I. 37
Pires de Matos, A. 59
Plant, D. 30
Popova, G.Ya. 63
Popovic, D. 145, 153
Potashnik, S. 188
Pourrahimi, S. 99
Prokes, K. 169
Pusateri, M.A. 211

Q

Qian, K. 50, 59
Qin, Y. 194
Qualls, J.S. 88, 124, 131
Quenzer, T.L. 35
Quine, J.R. 27, 217

R

Radzihovsky, L. 151
Ragland, P.C. 70
Ramirez, A.P. 89
Randall, E.W. 218, 226
Rashba, E.I. 80
Rebbi, C. 81
Redding, K.E. 35
Reich, D.H. 189
Reier, R. 225
Reno, J.L. 154, 158, 167, 224
Revcolevschi, A. 193
Reyes, A.P. 85, 87, 93, 126, 152, 170-171, 195, 228
Rezayi, E.H. 165
Riccardi, C. 26
Rickel, D.G. 176
Riseborough, P.S. 111
Robbins, W.K. 59
Robinson, L. 73
Rocca, J.R. 19
Rodgers, R.P. 50, 59, 64
Rogers, P. 171
Roper, S. 37
Rosenbaum, R.L. 207-208
Rosenbaum, T.F. 180
Rouviere, C. 18
Ruester, C. 160
Rutel, I.B. 133, 187, 227
Ruzmetov, D. 161
Ryan, J. 71
Rõõm, T. 185

S

Saboungi, M.L. 180
Sale, K. 18, 36
Salters, V.J.M. 67-72
Salvador, P.A. 191
Samarth, N. 188
Samoilenko, A.A. 218, 226
Samoson, A. 217
Sanders, C.R. 20
Sarma, B.K. 120, 209, 237
Sarrao, J.L. 109, 113-116, 119, 121, 221
Sasaki, Y. 160-161
Sastry, P.V.P.S.S. 190-191
Sato, H. 68
Savov, I. 71
Saylor, C. 42, 61, 108, 157
Scalapino, D.J. 79
Scherschligt, J. 161
Schiano, J.L. 211, 236
Schiffer, P. 188
Schlueter, J.A. 90, 125, 134-135, 137-138, 187, 236
Schrieffer, J.R. 78, 81, 90
Schroeder, K.T. 36
Schumaker, M.F. 21
Schwartz, J. 98, 100-102, 190-191, 246
Schweikhard, L. 60
Sebek, J. 175
Sechovsky, V. 169, 178
Sen, G. 67
Shayegan, M. 150, 163
Shelton, R. 171
Shepherd, T. 37
Shi, S.D.-H. 60
Shibauchi, T. 83
Shin, Y.J. 128
Shkolnikov, Y. 150
Shores, M.P. 61
Si, Q. 116
Sigmund, E.E. 87, 228
Sigmund, W. 95-96
Silver, X. 25, 44, 222, 225
Simakov, A.V. 62
Simeral, L.S. 57
Singleton, J.A. 90, 128, 132, 134-135, 137-138, 188, 236
Sitzmann, M.E. 187
Skeins, E.C. 42
Smith, J.C. 26
Smith, L. 37
Smith, M.R. 231, 248
Sobolev, V.I. 62
Sokol, J.J. 61
Son, M.H. 162
Song, L. 38
Sonke, J.E. 71
Srinivasan, P. 217
Stachowiak, P. 107
Stanisz, G. 39
Stauffacher, C.V. 20
Steglich, F. 112-113
Steinberg, E. 13
Stemmler, T.L. 38
Stepanenko, D. 146
Steuernagel, S. 217
Stewart, G.R. 118, 122
Stiegman, A.E. 45
Stone, M.B. 189
Storr, K.A. 13, 123, 133, 139-140, 232
Stracke, A. 72
Störmer, H.L. 158-159, 162
Su, J.H. 190-191
Su, T.-I. 207
Suh, D.-S. 141
Sullivan, N.S. 105, 107, 152, 159
Sumption, M.D. 96
Sundquist, W.I. 38
Sushkov, A.B. 192-193
Suslov, A. 120, 209, 237
Swenson, C. 239
Syed, S. 162
Symington, J. 135
Sönnichsen, F.D. 20

T

Takabatake, T. 117
Takayasu, M. 245
Talham, D.R. 48, 175, 199
Tanaka, H. 123, 142
Taulelle, F. 220
Taylor, B.J. 87
Taylor, K.A. 20
Taylor, P.C. 152
Teitel baum, G.B. 85
Teizer, W. 210
Telser, J. 53-54
Ten Haken, B. 101-102
Ten Kate, H.H.J. 101-102
Tessema, G.X. 203
Thelwall, P. 15, 39
Thio, T. 147
Thirumoorthy, R. 42
Thomann, H. 206
Thomas, S. 18
Thompson, J.D. 111, 221
Thompson, S.H. 100
Tian, C. 21, 40, 215
Timusk, T. 185
Tindall, P.J. 206
Tokomoto, M. 133
Tokumoto, M. 78, 123, 128, 142
Tokura, Y. 181
Tomsic, M. 96
Toplosky, V.J. 239-240
Torikachvili, M.S. 121
Tozer, S.W. 114-115, 119, 121, 135, 137, 154, 236
Tretiak, S. 148
Trociewitz, U.P. 100
Trovarelli, O. 112
Tsai, S-W. 207
Tsui, D.C. 157-159, 166
Tu, C.W. 164
Turnbull, M.M. 182
Turner, R.T. 23
Tutuc, E. 150, 163
Twigg, P.D. 41
Tyson, T.A. 194

U

Uchida, S. 92
Uji, S. 123, 142

V

Vakulen, S. 38
Van der Laan, D.C. 100-102, 190
Van der Rest, G. 61
Van Eck, H.J.N. 100-102
Van Sciver, S.W. 243, 247-249
Van Tol, H. 35
Van Tol, J. 52, 62-63, 175, 213, 238
Vanderlinde, O.H. 41
VanDerveer, D. 187
Vavilova, E.L. 85
Vemuri, B. 225
Vicentini, G. 59
Vijayraghavan, R. 65
Vold, R.L. 229
Volodin, A.M. 62-63
Von Molnár, S. 196
Vonlanthen, P. 126, 195

W

Wakimoto, S. 82
Walkenhorst, W.F. 42
Walker, L. 42
Walsh, R. 103, 239-240
Walton, R. 222
Wan, X. 165
Wang, J. 27, 43
Wang, S. 160
Wang, Y. 67, 73, 86, 92, 125, 162, 164, 183, 185, 192
Ward, B.H. 175, 187
Ward, R. 188
Watts, S.M. 196
Webb, A. 15, 222
Wei, X. 143, 154, 160, 164, 166, 183, 193
Weijers, H. 100, 246
Wesolowski, D.J. 71
West, K.W. 155, 157-159, 166
Wexler, C. 151
Wiener, M.C. 20
Williams, D.F. 44
Williams, V. 123, 232
Winter, R.W. 187
Wirth, E. 37
Wlodawer, A. 17
Woo, H. 194
Woodward, F.M. 182
Wu, R. 57
Wu, Z. 64
Wylie, G. 65

X

Xia, J.S. 105, 122, 159
Xin, H.P. 164
Xin, Y. 172-173, 196, 239, 241

Y

Yakovlev, D.R. 164
Yang, C.L. 167
Yang, K. 165
Ye, P.D. 157, 166
Yeh, S-M. 111
Yoshino, H. 133
Yowtak, J. 34
Yuen, T. 197
Yumul, G. 68
Yunoki, S. 89

Z

Zachariah, C. 18-19
Zeitlin, B.A. 103
Zeng, R. 213
Zenkovetz, G.A. 62-63
Zhang, J. 167
Zhang, L. 14
Zhang, T. 250
Zhang, X. 18
Zhang, Y. 38, 98, 164
Zheng, G.-Q. 93
Zheng, J.P. 49, 56, 166
Zhou, D.H. 229
Zhou, Z.X. 169, 198
Zindler, A. 72
Zook, A.L. 230
Zorko, A. 108
Zudov, M.A. 167
Zvyagin, S. 199

A

Abbati, G.L. 275
Abboud, K.A. 277
Abresch, E.C. 277
Achey, R.M. 275, 282, 286
Acton, M. 282
Adams, B. 279
Adams, E.D. 284, 286
Aeppli, G. 277
Agosta, C.C. 282
Agterberg, D.F. 275
Ahzi, S. 279
Akagi, K. 286
Akin, Y. 283
Al-Haik, M. 275, 279
Alamo, R.G. 275, 282
Aleshin, A.N. 286
Alexander, C.S. 277, 280
Alivisatos, A.P. 280
Allen, J.W. 278
Alver, U. 275, 279
Alwood, J. 281
Amaral, S. 275
Ambrosio, G. 276
Anderson, D.G. 275
Ando, Y. 283
Andraka, B. 284
Andreev, N. 276
Angerer, P. 282
Angerhofer, A. 281, 287
Annis, B.K. 275
Ansermet, J.-P. 286
Anupold, T. 282
Aoki, H. 286
Arcon, D.275
Ardavan, A. 275, 278, 280-281, 283, 285-286
Arispe, J. 282
Arko, A.J. 275
Armstrong, P.E. 278
Aromi, G. 281
Artus, P. 275
Askenazy, S. 284
Assmus, W. 289
Astakhov, G.V. 288
Astalos, S. 275
Atkinson, W.A. 276, 289
Atwell, S.L. 285
Audouard, A. 284
Awschalom, D.D. 278, 280
Axenovich, M. 283

B

Bacaltchuck, C. 282, 287
Bachman, H.N. 283, 286
Backov, R. 278, 288
Balakirev, F.F. 283
Balakrishnan, G. 289
Baldwin, K.W. 284
Baldwin, T. 276
Balicas, L. 276-277, 279, 283, 285-287
Bando, Y. 281
Bao, W. 276
Bao X. 282
Barbosa-Canovas, G.V. 280
Barilo, S.N. 276
Bartaschevich, M.I. 284
Barzi, E. 276
Barzykin, V. 276
Baudouy, B. 278
Bauer, P. 276
Baumann, B.A.J. 276
Bauzo, R.M. 287
Beck, B.L. 276, 286
Behnia, K. 283
Beinfeld, M.C. 288
Bennett, M. 284
Bergemann, C. 276
Berger, H. 283
Berther, C. 280
Betts, J.B. 283
Beyerman, W.P. 280
Beyermann, W.P. 277, 285
Biagini, C. 276
Bianchi, A. 276, 279
Bird, M.D. 276, 284
Biskup, N. 279
Blaber, M. 276
Blaber, S.I. 276
Blackband, S.J. 276-278, 280, 286
Blumer, E.N. 285
Blundell, S.J. 275, 280-281, 283
Boebinger, G. 276-277, 280, 283, 286
Boebinger, G.S. 277, 280, 283
Boenig, H.J. 278, 288
Boerio-Goates, J. 281
Bompadre, S.G. 276
Bonesteel, N.E. 276, 282
Booth, C.H. 276
Borsa, F. 280
Boskovic, C. 275
Bossart, E.L. 280, 286
Bossio, R.E. 276
Bottger, A. 279
Bouquet, F. 287
Bowers, C.R. 277
Brandao, L. 287
Brandt, B.L. 276, 285
Breton, G.W. 276
Brom, H. 282
Brooks, J.S. 276-277, 279-280, 283, 285-287
Brossard, L. 284
Brown, L.J. 276
Browne, D.A. 287
Bruck, E. 277
Brunel, L.-C 275, 277-278, 281-282, 287-288
Bryant, P.L. 276
Brych, S.R. 276
Bubb, M.R. 288
Buckley, D.L. 278, 280, 286
Bud'ko, S.L. 276-277, 283
Buhler, C. 283
Bui, J.D. 278, 280, 286
Bujoli, B. 277
Bujoli-Doeuff, A. 277
Busath, D.D. 275, 282, 287
Bussmann-Holder, A. 277
Buta, F. 277
Butler, L.G. 276

C

Cage, B. 277
Calder, E.S. 286
Caldwell, T. 276
Callahan, S.D. 276
Calvo, R. 277
Cameron, A. 288
Campana, A. 280
Canadell, E. 281
Caneschi, A. 282
Canfield, P.C. 276-277, 280, 283, 285
Cao, G. 277
Carretta, P. 280
Carson, P.J. 277
Carvalho, A. 284
Casalta, H. 275
Caspar, D.I.D. 287
Celik, D 277
Celik, E. 277, 283
Cernak, J. 277
Chaban, A.N. 287
Chang, S. 277, 287
Chatham, J.C. 277
Chen, Q.J. 277, 281
Cheong, S.-W. 277-278
Choi, E.M. 280
Choi, E.S. 277
Choi, Y. 277
Christianson, A.D. 277, 280, 287
Christopherson, C. 278
Christou, G. 275, 281, 288
Clark, W.G. 288-289
Clayton, N. 286
Clearfield, A. 277
Clem, J.R. 288
Coldea, R. 277
Cole, C.C. 287
Coletta, G. 288
Collings, E.W. 277
Comment, A. 286
Conrad, B.P. 276
Cooley, J.C. 279, 281
Cooper, H.J. 278-279, 284
Cooper, S.L. 278, 286
Cornelius, A.L. 276
Cornia, A. 275
Costello, C.E. 279
Cotten, M. 287
Crestoni, E. 285
Crook, D.G. 284
Crooker, S.A. 278, 280, 286, 288

Cross, T.A. 275, 278, 281-283, 287-288
Crow, J.E. 276-277, 283
Culp, J.T. 278
Cunningham, C.E. 276
Curro, N.J. 287

D

Dagotto, E. 278, 280, 282
Dahmen, K.D. 282
Dahmen, K.H. 282, 288
Dalal, N.S. 275, 277, 281-282, 284, 286
Dalidovich, D. 278, 284
Daney, D.E. 288
Dasgupta, D. 278
Daw, E. 275
Day, A.L. 286
Day, P. 280, 285-286
De Boer, F.R. 284
DeKamp, J.C. 284
DeMoranville, K. 278
Demuer, A. 284
Deng, F. 282
Denlinger, J.D. 278
Denny, J.K. 278
Detwiler, J.A. 285
Dhalenne, G. 280
Dibben, M.J. 278, 286
Diehl, R.C. 278
Dietderich, D. 276
DiVincenzo, D.P. 276
Dixon, I.R. 276, 278
Dobrosavljevic, V. 278, 282
Dobrowolski, W.D. 281
Dorsey, A.T. 281, 288
Douglas, C. 281
Drobac, Dj 283
Drymiotis, F. 280
Du, R.R. 289
Dudarev, A.V. 279
Duffy, D. 278
Durakieweicz, T. 275
Durbin, S.M. 285
Dzero, M. 278
Dzyubenko, A.B. 288

E

Eaton, G.R 278
Eaton, S.S. 278
Ebihara, T. 279
Edison, A.S. 278, 287-288
Edmonds, D.V. 279
Edwards, R.S. 278, 285
Efros, A.L. 278, 280, 289
Ekino, T. 280
Embury, J.D. 279
Emery, E.F. 276
Emmett, M.R. 279, 285, 287
Eng, K. 278
Engel, L.W. 288
Ernst, R.R. 282
Eschrig, M. 283
Evian, M. 277
Ewald, K. 276
Eyler, J.R. 278, 284-286
Eyssa, Y.M. 276, 279, 284

F

Fabretti, A.C. 275
Fajer, P.G. 276
Fanucci, G.E. 278, 288
Feher, A. 277
Feher, G. 277
Feiguin, A. 280, 282
Felder, E. 287
Feller, J.R. 278
Feng, X.G. 278
Field, R.D. 284
Fisher, R.A. 287
Fisk, Z. 275-280, 282-284, 286-289
Fleshler, S. 278
Forder, J.R. 278, 280
Frankevich, E.L. 287
Fratini, M. 276
Fravel, B. 282
Freitas, M.A. 278-280, 284-285
Frommen, C. 281
Frost, C.D. 277
Fu, R. 277-278, 281-284
Fujimori, A. 286
Fujiwara, H. 287
Fukase, T. 286
Furis, M. 280
Fuzier, S. 278

G

Galeriu, C. 279, 281
Gan, Z.H. 276-277, 279, 282, 285
Gao, B.J. 276
Gao, Y. 281
Garcia, A. 284
Gard, G.L. 283
Garmestani, H. 275, 279, 282, 286-288
Gaskell, S.J. 287
Gatalskaya, V.I. 276
Gatteschi, D. 275
Gavilano, J.L. 279
Gavrilin, A.V. 279
Gay, E.C. 281
Gazza, C. 282
Gerbeleu, N.V. 284
Ghosh, A.K. 276
Giantsidis, J. 279, 281, 288
Gibbs, S.J. 282, 285
Gippius, N.A. 288
Glazman, L.I. 276
Goddard, P.A. 279
Golubev, N.A. 275
Gomez-Berisso, M. 280
Goncharov, A.F. 281
Goodrich, R.G. 275, 279, 287
Gor kov, L.P. 276, 278-279
Goto, T. 284
Gowen, J.A. 282
Goy, P. 285
Granado, E 284
Granroth, G.E. 288
Greaney, M.A. 285
Green, M.A. 281
Green-Church, K. 279
Greenbaum, N.L. 283
Gross, M. 285
Gruzberg, I. 279
Guerrero, L. 287
Guertin, R.P. 277
Gweon, G.-H. 278

H

Haanappel, E.G. 284
Haberkern, R. 285
Hagmann, C. 275
Hakansson, K. 279
Haldane, F.D.M. 288
Hall, D. 275-276, 279, 283, 286, 288
Hall, R.W. 276
Halperin, W.P. 282-283, 286
Hambly, B.D. 276
Hamida, J.A. 284
Hammel, P.C. 287
Han, K. 279-280, 284, 288
Han, S.Y. 277, 286
Han, X. 282
Hanbicki, A.T. 280
Hannahs, S. 276, 285
Hansen, M.L. 284
Harnois, R. 278
Harris, R. 285
Harrison, N. 275, 279-280, 282-286
Harte, F. 280
Harwell, C.R. 276
Hascicek, Y.S. 277, 283
Haskell-Luevano, C. 287
Hassan, A.K. 278, 282, 287
Hassan, A.M. 275
Haussler, P. 285
Hayden, S.M. 277
Hayes, W. 280, 282
He, F. 280, 287
He, J. 280
Hebard, A.F. 276
Hegger, H. 287
Hemley, R.J. 281
Hendrickson, C.L. 279-280, 282, 285, 288
Hendrickson, D.N. 275, 281, 288
Heong, S.Y. 284
Hideg K. 276
Higley, H.C. 276
Hill, S. 280, 282-283
Hilton, D.K. 277, 280
Hinks, D.G. 278
Hintermann, T. 282
Hinze, P. 289
Hirschfeld, P.J. 276, 278-279, 281, 287, 289
Hirth, J.P. 279
Hodges, R.G.L. 285
Hoffman, B.M. 281
Holder, J.R. 287
Honig, J.M. 276

Honold, M.M. 280, 284
Hoover, R.C. 284
Horvatic, M. 280
Hotta, T. 278, 280
Hoyt, D.W. 276
Hsieh, Y. 277
Hsu, E.W. 280
Hughey, C.A. 276, 280, 284
Hults, W.L. 281
Hundley, M.F. 276, 280, 283-284, 287

I

Ingersent, K. 284, 286
Inglis, B.A. 280, 286
Inoue, M. 279, 289
Isaacson, R.A. 277
Ishimoto, H. 288
Ishmaku, A. 280
Isolani, P.C. 284
Itskos, G. 280
Ivanchik, I.I. 281
Iversen, F.K. 284
Iyengar, A.P. 281

J

Jackiw, R. 286
Jaime, M. 276, 280, 283-285, 287
Jansen, A.G. 275
Janvier P. 277
Jardim, R.F. 285, 287
Jegoudez, J. 286
Jennings, K.R. 284
Jensen, D.A. 288
Jensen, W.E. 275
Jephcoat, A.P. 281-282
Jiang, H.W. 288
Jin, R. 280
Johnston-Halperin, E. 278, 280
Jones, B.R. 280, 286
Jones, E.D. 288
Jonker, B.T. 280
Joyce, J.J. 275
Julian, S.R. 276
Julien, M.-H. 280
Jung, J.H. 281-282
Jung, M.H. 277, 280-281

K

Kage, D. 278
Kalidindi, S. 282
Kalu, P.N. 288
Kamenev, K.V. 289
Kamenev, V.I. 289
Kang, W.N. 280
Kao, K.J. 288
Kao, Y.-J. 281
Karczewski, G. 281
Kartsovnik, M.V. 280
Kawano, K. 283
Kelly, P.H. 285
Kennon, L. 282
Ketterson, J.B. 278
Khokhlov, D.R. 281
Kim, H.C. 284
Kim, H.J. 280
Kim, J.N. 284
Kim, J.S. 281
Kim, K.H. 281-282, 284
Kim, K.S. 281, 284
Kim, M.H. 275
Kim, M.W. 281-282
Kim, S.C. 276, 281, 284, 288
Kim, S.W. 276
Kim, T.J. 286
King, M.A. 286
Kini, A.M. 286
Kinion, D. 275
Kioseoglou, G. 280
Kispert, L.D. 281
Kitaoka, Y. 288-289
Klaasse, J.C.P. 277
Klapwijk, T.M. 287
Klehé, A-K. 279, 281-282
Kleppe, A. 281
Klonis, N. 276
Knapp, M.J. 281
Knobel, R. 278
Kobayashi, A. 276, 287
Kobayashi, H. 276, 283, 287
Koelling, D.D. 275
Kogerler, P. 283
Kokshenev, V.B. 281
Kondo, T. 289
Konovalova, T.A. 281
Korepanova, A. 281
Koritala, R.E. 287
Kosztin, I. 277
Kotov, V.N. 288
Kovacs, F. 288
Kresin, V. 278-279
Krzystek, J. 278, 281, 288
Kubo, Y. 289
Kuhns, P. L. 275-276, 280, 283, 286, 289
Kumegai, H. 281
Kurmoo, M. 280-281, 285-286
Kuroda-Sowa,T. 281
Kushch, N.D. 280, 284
Kwei, G.H. 276
Kwon, H.J. 281
Kwon, Y.S. 280

L

Lacerda, A.H. 276-277, 280, 284-285, 287
Lam, M. 281
Landee, C.P. 275, 279, 281, 288
Lang, B.E. 281
Lang, G.-H.L. 285
Lang, M. 289
Lapertot, G. 276, 284
Lashley, J.C. 281
Laukhin, V. 281, 284
Laukhina, E. 282
LaVeigne, J. 275
Lawrence, J.M. 276
Le, H.C. 282
Lee, C.E. 281, 284
Lee, C.H. 281, 284
Lee, H.J. 281-282
Lee, S.I. 280-281, 284
Lee, S.K. 281
Lee, X.Y. 288
Leem, Y.A. 288
Lejay, P. 284
Lelieveld, H.L.M. 280
Lenox, R.H. 288
Leprince-Wang, Y. 284
Levin, K. 277, 281
Leyngold, I. 281
Li, C. 279
Li, D. 282
Li, X. 284
Licoccia, S. 281
Limbach, P.A. 279
Lin, S. 279
Lindberg, I. 288
Liu, H.L. 278
Locke, B.R. 282
Logan, T.M. 276, 281, 287
Lovett, B. 281
Luban, M. 283
Lubkeman, D. 276
Lucas, T.H. 286
Luongo, C.A. 282
Lussier, A. 282
Luthi, B. 289
Lynn, J.W. 288
Lyo, S.K. 278

M

Ma, D. 282
Maccagnano, S. 282
MacDonald, A.H. 276, 288
Mackenzie, A.P. 276
MacKenzie, K.J.D. 282
Maeno, Y. 276, 283, 285
Maley, M.P. 288
Malvezzi, A. 282
Mandrus, D. 280
Maniero, A.L. 275, 277, 281
Mao, H.K. 281
Mao, Z.Q. 276, 283
Maple, M.B. 278
Mareci, T.H. 280, 286
Markham, J.C. 282
Markiewicz, W.D. 278
Marques, N. 284
Marshall, A.G. 276, 278-280, 282, 284-285, 287-288
Martin, A.A. 282
Martinelli, M. 282
Martinho, H. 282
Martins, G.B. 282-283
Maslov, D.L. 276
Mason, R. 278
Mason, T.E. 277
Massa, C.A. 282
Massiot, D. 277
Mateeva, N. 288
Mayr, M. 282

McCall, S. 277, 280
McCombe, B.D. 288
McDonald, R.D. 281-282
McK.Paul, D. 289
McPheeters, C.C. 281
Meda, L. 282
Meisel, M.W. 277-278, 288
Mele, R. 288
Melik-Alaverdian, V. 282
Mercer, E.V. 286
Mertes, K.M. 287
Metcalf, P. 276
Mielke, C.H. 277, 280, 282-283, 286
Migoni, R. 277
Mihalik, M. 277
Miller, G. 276
Miller, J. 276
Miller-Ricci, E. 279
Milner, A. 285
Miranda, E. 282
Miranda, M. 282
Mitrovic, V.F. 282-283, 286
Mittemeijer, E.J. 279
Miura, N. 288
Miyajima, N. 279
Modler, R. 283
Mola, M.M. 280, 282-283
Moltz, D.M. 275
Montfrooij, W.T. 288
Montgomery, L.K. 282, 285
Monthoux, P. 284
Moore, D.P. 275
Moraghebi, M. 283
Morales, L. 275
Moreno, N.O. 275, 282
Moreo, A. 278, 282-283
Morgan, A.N. 278
Moritomo, Y. 281-282
Morozov, A.V. 281
Morris, L. 284
Moshopoulou, E.G. 283
Moulton, W.G. 275, 280, 283, 289
Movshovich, R. 276, 280, 283-284, 287
Mrse, A.A. 276
Muccillo, R. 287
Muller, A. 283
Munteanu, F.M. 288
Murayama, T. 283
Murphy, T.P. 275, 279, 285
Musfeldt, J.L. 280, 286, 289
Mushkolaj, S. 279
Mutlu, I.H. 277, 283
Muttalib, K.A. 284

N

Nagler, S.E. 288
Naito, T. 283
Nakamae, S. 283
Nakano, M. 281, 288
Nakotte, H. 277, 284, 287
Nam, M.-S. 280, 282-284, 286
Nassi, M. 288
Negishi, H. 289
Negusse, E. 282
Newby, M.I. 283
Nezrick, F. 275
Nguyen, P. 277
Ni-Wu, W. 286
Nicol, E. 287
Nilsson, C.L. 279
Nishimura, K. 283
Noh, T.W. 281-282, 284

O

Ocko, M. 283
Oh, D.K. 281
Ohnuki, H. 278
Ojima, E. 287
Okamura, M.Y. 277
Okusawa, M. 286
Okuyucu, H. 277, 283
Olijnyk, H. 281-282
Olson, C.G. 275, 278
Ono, S. 283
Orendac, M. 277
Orendacova, A. 277
Ortiz, G. 282
Oseroff, S.B. 282-283
Ossau, W. 288
Ott, H.R. 279, 287, 289
Otto, A. 278
Ozaki, H. 289
Ozelis, J. 276

P

Paddock, M.L. 277
Pagliuso, P.G. 275-276, 279, 282-284, 288
Palassis, C. 283
Palii, S.P. 284
Palm, E. 275, 279, 285
Palm, E.C. 275, 279
Pan, W. 284
Pardi, L. 275, 282
Park, E.R. 281, 284
Park, J.C. 285
Park, J.G. 284
Park, Y.D. 280
Park, Y.W. 286
Parthasarathy, G. 287
Pashkevich, Yu.G. 289
Paulsen, C. 275
Pavlovskaya, G.E. 285
Peabody, L. 279
Pearson, W. 286
Peeters, F.M. 288
Peitrus, T. 281
Peng, X. 280
Perala, S.M. 276
Perez-Benitez, A. 281
Perreira, L.C.J. 284
Perring, T.G. 277
Perry, C.H. 288
Petrou, A. 280
Petrovic, C. 276, 280, 283-284
Petrovic, J.J. 284
Petruska, M.A. 288
Pfeiffer, L.N. 284, 288
Phillips, P. 278, 284
Piao, G. 286
Pietri, R. 284
Pignard, S. 284
Pilla,S. 284
Pires de Matos, A. 284
Ponomarev, I.V. 289
Popovic, D. 278
Powell, J. 275
Prassides, K. 275
Prestemon, S. 284
Pricopi, L. 284
Prokai, L. 284
Prokai-Tatrai, K. 284
Prokes, K. 277, 284
Proust, C. 284
Pullum, B.J. 285
Pyda, M. 275

Q

Qian, K. 280, 284-285
Qualls, J.S. 277, 283, 285-286
Quenzer, T.L. 285
Quine, J.R. 278, 281
Quine, R.W. 278

R

Rabello, S. 286
Raghavan, K. 285
Ramazanoglu, M.K. 283
Rashba, E.I. 279
Rau, D 279
Rebbe, C. 286
Reiff, W.M. 281
Reinhold, A. 282
Reizer M.Y. 276
Reno, J.L. 288-289
Reno, J.R. 288
Renovich, F. 276
Rettori, C. 282-283
Revcolevschi, A. 280, 286
Reyes, A.P. 275-276, 280, 283, 286, 289
Rezayi, E.H. 288
Rheingold, A.L. 281
Ricci, I. 282
Richards, N.G.J. 287
Richardson, C. 288
Richardson, D.E. 284-285
Rickel, D.G. 278, 288
Rigamonti, A. 280
Riley, G.N. Jr. 278
Rinard, G.A. 278
Robbins, W.K. 284
Robinson, L. 277
Rocca, J.R. 284
Rodgers, R.P. 280, 284-285
Rosen, M 280
Rosenbaum, R. 285
Rosenberg, L.J. 275
Rovira, C. 281
Rullier-Albenque, F. 283
Ryan, M.F. 285
Rzepniewski, E. 278, 285

S

Sabinash, C. 279
Sahm, P.R. 287
Salamon, M.B. 285
Samarth, N. 278
Samoson, A. 282, 285
San Martin, M.F. 280
Sandim, M.J.R. 285
Sanjurjo, J.A. 282
Sarachik, M.P. 287
Sarma, B.K. 278
Sarrao, J.L. 275-276, 278-284, 286-288
Sasaki, M. 279
Sasaki, T. 281-282
Sastry, P.V.P.S.S. 285-286
Sato, N.K. 281
Saunders, L. 276
Sawyer, W.H. 276
Saylor, C.A. 277, 281
Scalapino, D.J. 278
Scanlan, R.M. 276
Schad, R. 281
Schlueter, J.A. 278, 283, 285-286
Schmiedeshoff, G.M. 277, 281, 285
Schmucker, M. 282
Schnack, J. 283
Schneider, H. 282
Schneider-Muntau, H.J. 276, 286
Schrama, J.M. 285
Schrieffer, J.R. 285-286
Schroder, C. 283
Schultz, A.J. 277
Schwartz, J. 277, 285-288
Schwenk, H. 289
Sechovsky, V. 284
Seebach, D. 282
Segre, U. 275
Senateur, J.P. 284
Sera, M. 281
Sercheli, M.S. 283
Serres, E. 278
Shahawy, M 275
Sheikh-Ali, A. 286
Shi, J. 286
Shimakawa,Y. 289
Shinagawa, H. 287
Shirakawa, H. 286
Shirts, R.A. 275
Shiryaev, S.V. 276
Shushin, A.I. 287
Shytov, A. 279
Si, Q. 286
Sigmund, E.E. 282-283, 286
Sigmund, W. 283
Sikivie, P. 275
Silver, X.S. 286
Simeral, L.S. 276
Simmons, J.A. 288-289
Simpkins, J.W. 286
Singerean, L. 284
Singleton, J. 275, 278-286
Sivachenko, A. Yu. 288
Skorsepa, J. 277
Slyn'ko, E.I. 281
Slyn'ko, V.E. 281
Smirnov, A.I 278
Smirnova, T.V. 276
Smith, G.D.W. 279
Smith, J.L. 279, 281, 285-287
Smith, M.E. 282
Snow, C.S. 286
Sondhi, S.L. 286
Song, Y.S. 277
Stepanenko, D. 276
Stewart, G.R. 280-281
Stiegman, A.E. 276
Stoeffl, W. 275
Stoner, J.W. 278
Stormer, H.L. 284
Storr, K. 276, 286
Streib, W.E. 275, 288
Struzhkin, V.V. 281
Su, J.H. 285-286
Suemitsu, T. 281
Sugart, J.H. 276
Suh, D.-S. 286
Sullivan, N.S. 275-276, 281, 284, 286
Sumption, M.D. 277
Susaki, T. 286
Sushkov, A.B. 280, 286
Suzuki, P.A. 285
Swanson, B.G. 280
Symington, J.A. 278, 280, 283, 286
Syshchenko, A. 284
Szczepanski, J. 278, 286

T

Takabatake, T. 280-281
Talham, D.R. 278, 288
Tamura, M. 283
Tanaka, H. 276
Tanner, D. 275
Teklu, A. 279
Telser, J. 281
Ten Haken, B. 287-288
Ten Kate, H.H.J. 279, 287-288
Terai, Y. 287
Terakura, C. 286-287
Terashima, T. 286-287
Terekhov, A.A. 281
Terzioglu, C. 287
Thirumoorthy, R. 287
Thoennessen, M. 284
Thoma, D.J. 281
Thomas, G.W. 286
Thompson, G. 287
Thompson, J.D. 276, 280-281, 283-284, 287-288
Thompson, N. 287
Timco, G.A. 284
Tokumoto, M. 276, 279-280, 285, 287
Tomsic, M. 277
Torikachvili, M.S. 277, 285, 287
Torriani 284
Townsley, T.A. 279
Tozer, S.W. 275, 279
Triebel, M.M. 287
Tritz, J. 283
Trociewitz, U.P. 287
Tsui, D.C. 284, 288
Tuherm, T. 285
Turnbull, M.M. 275, 279, 281, 288
Turner, M.S. 275
Twigg, P.D. 287

U

Uchida, K. 288
Uhrig, E. 289
Uji, S. 276, 283, 286-287
Urbano, R.R. 283

V

Vaghar, M.R. 275
Vaghar, R. 287
Vala, M.T. 278, 286
van der Laan, D.C. 287
van der Rest, G. 287
van Eck, H.J.N. 287
Van Genderen, M.J. 279
Van Sciver, S.W. 277-278, 280, 287
van Tol, J. 287
Vawter, G.A. 288
Veciana, J. 281
Vekhter, I. 287
Verges, J.A. 282
Vicentini, G. 284
Vietkin, A. 280
Vincent, H. 284
Viouchkov, Y. 285, 287
Vitkalov, S.A. 287
Vojta, M. 282
Von Schutz, J.U. 287

W

Waag, A. 288
Walti, C. 287
Wang, J. 278, 288
Wang, Y.-J. 277, 280-281, 286, 288-289
Washburn, S. 278
Watson, B.C. 278, 288
Weber, R.T. 278
Wei, B. 288
Wei, X. 280-281
Weijers, H.W. 288
Weitekamp, D.P. 277
Wendt, J.R. 288
Wessels, T. 282
West, K.W. 284, 288
Wexler, C. 288
Willis, J.O. 278, 288
Wills, J. 279
Winter, R.W. 283
Wirth III, E.D. 280
Wolf, B. 289
Woodfield, B.F. 281
Woodward, F.M. 275, 288
Woodward, F.W. 279, 281
Wosnitza, J. 280
Wu, X.G. 288

X

Xavier, J.C. 282
Xia, J.-S. 284, 286
Xin, Y. 277, 288

Y

Yakabe, T. 287
Yakovlev, D.R 288
Yamagami, H. 278
Yamaguchi, A. 288
Yang, K. 275, 286, 288
Yang, S.H. 286
Yarmola, E.G. 288
Ye, P.D. 288
Yeh, A.S. 284
Yongmin, K. 288
Yoo, J.M. 275, 281, 288
Yoon, S. 278
Yoshino, Kawasaki, T.S. 281
Young, D.P. 279, 286, 289
Yu-Zhang, K. 284
Yunoki, S. 283

Z

Zachariah, C. 288
Zandbergen, H.W. 279
Zeller, A. 284
Zhang, T. 277
Zharikova, A. 284
Zheng, G.-q. 288-289
Zheng, H. 287
Zherlitsyn, S. 289
Zhou, Z.X. 277
Zhu, Z. 289
Ziegler, K. 289
Zoriniants, G.E. 287
Zudov, M.A. 289
Zvyagin, S. 289