

Materials Science/Crystallography

30m SANS Measurements on Intercalated and Delaminated Phenolic Resin/Clay Dispersions and Nanocomposites

Yoonessi, M.⁷²⁵, Toghiani, H.⁷²⁵, Pittman, C.⁷²⁵

A SANS Study on Clathrate Hydrates

Howe, J.²⁷⁰, Rawn, C.²⁷⁰, Jones, C.²⁴⁷

A Study of the Diffusive Motions of Water Within the Ettringite Crystal Structure

Hartman, M.⁴⁷⁶, Berliner, R.⁴⁷⁶, Herwig, K.^{270, 329}

Advanced Characterization of Novel Ceramic Thermal Barrier Coatings and Solid Oxide Fuel Cell Materials Using Small-Angle Neutron Scattering

Herman, H.³³⁷, Kulkarni, A.³³⁷, Goland, A.³³⁷, Allen, A.²⁴⁸

Aggregation of Cleavable Surfactants

Kline, S.²⁴⁷, Simmons, B.³²⁰

An Interdisciplinary Approach to Understanding the Growth of Nanoporous Materials

Vlachos, D.⁴⁵³, Lobo, R.⁴⁵³, Fedeyko, J.⁴⁵³, Kragten, D.⁴⁵³, Rimer, J.⁴⁵³, Tsapatsis, M.⁴⁷³

Analysis of the Diffuse Scattering From In-Plane Magnetic Structures Using a ³He Analyzer

Gentile, T.²⁵⁰, Borchers, J.²⁴⁷, Chen, W.¹³⁰, O'Donovan, K.^{438, 247}, Majkrzak, C.²⁴⁷, Adenwalla, S.⁴⁸¹, Mangin, P.^{747, 247}, Mangin, S.⁷⁴⁷, Shi, J.⁵⁰⁵

Annite Dynamics and Densities of States

Brown, C.^{470, 247}, Hess, N.²⁸⁴, Ilton, E.²⁸⁴, Bylaska, E.²⁸⁴, Gao, F.²⁸⁴

Atomic and Magnetic Structure of La₂NiMnO₆

Sleight, A.²⁷⁹, Li, J.²⁷⁹, Subramanian, M.⁷⁹, Rogado, N.²⁷⁹

Bismuth Transmission Measurements

Udovic, T.²⁴⁷, Leao, J.²⁴⁷, Brown, C.^{470, 247}, Zeitoun, R.⁴⁷⁰

Bulk Solvent Effects on AOT Reverse Micelle Dynamics in Liquid, Compressed and Supercritical Alkanes Measured by SANS

Kitchens, C.²⁸

Carbide-Driven Carbons (CDC) for H₂-Storage

Yildirim, T.²⁴⁷, Boyer, T.⁴⁸⁸, Fischer, J.⁴⁸⁸

Cation Ordering in Plasma Sprayed MnZn Ferrite

Yan, Q.³³⁷

Cation Ordering in the Sodalite-Type Halozeotype CZX-1

Martin, J.²⁶², Folmer, J.²⁶², Goettler, S.²⁶², Jones, C.²⁴⁷

c-Axis Modulation of Superconducting NCCO

Dai, P.⁷⁹², Kang, H.⁷⁹², Matsuura, M.⁷⁹², Lynn, J.²⁴⁷

Chain Conformation of PEO in Water-Based Buffers at Different pH Values

Ho, D.^{470, 247}, Alessi, M.⁴⁷⁰, Greer, S.⁴⁷⁰

Characterization of "Rafts" at Physiological Temperatures in Unilamellar Vesicles

Pencer, J.¹⁶³, Krueger, S.²⁴⁷, Epand, R.²⁰⁰

Characterization of Highly Constrained Water in Hydrated Cementitious Materials

Bordallo, H.¹⁰⁹, Aldridge, L.²⁹, Desmedt, A.¹⁰⁹

Characterization of Magnetic Nanoparticles for Cancer Treatment

Ivkov, R.⁸⁰⁹, Gruettner, C.⁸¹⁰, Trevino, S.^{393, 247}

Characterization of Marble From Ancient World

Triolo, R.⁸⁴³

Characterization of Nanocrystalline MgO: Adduct Formation and Effect of Cation Size

Hackley, V.²⁴⁷, Sung, L.⁷²², Ho, D.^{470, 247}

Characterization of Single Walled Carbon Nanotubes With Neutron Diffraction

Nemes, N.^{470, 247}

Characterization of Swelling Structures in Alkali-Silica Reaction (ASR) Products

Allen, A.²⁴⁸, Phair, J.⁸⁹, Livingston, R.²⁴⁸

Chemical Ordering and Magnetic Structure in NiMnAl Alloys

Zhao, P.⁴⁷⁰, Cui, J.⁴⁷⁰, Huang, Q.²⁴⁷

Chemical Ordering of Fe-Pd-B Alloys

Neumann, D.²⁴⁷, Cui, J.⁴⁷⁰

Clustering in Dilute PEO Aqueous Solutions

Ho, D.^{470, 247}, Glinka, C.²⁴⁷

Clustering Properties of Magnetic Fluids

Lin-Gibson, S.²⁵⁵

CNT Suspensions and Polymer Solutions Under Shear

Wang, H.⁷¹³, Ho, D.^{470, 247}, Hobbie, E.²⁵⁵, Bauer, B.²⁵⁵

Compositional Factors Affecting the State of Water and Microstructure of Kanemite-Based Alkali-Silica Reaction Gels

Phair, J.⁸⁹, Brown, C.^{470, 247}, Livingston, R.⁸⁹

Confinement Effects on the Dynamics of Methyl Methacrylate Polymers Encapsulated in Nanopores of Zeolites and Mesoporous Silicas

Trouw, F.¹⁸⁸, Iton, L.²⁴

Conformal Coatings on Membranes for Barrier Applications

Schaefer, D.⁴⁴⁶, Kim, A.⁴⁴⁶, Chokalingam, K.⁴⁴⁶

Conformational and Aggregate Structure of Electroluminescent Semiconducting Polymers MEH-PPV Solutions Studied by SANS

Ho, D.^{470, 247}, Tsao, C.⁶⁰⁸, Chen, H.²³⁴

Conformational Changes of PNIPAM Brushes with T: Low Surface Density Regime

Kent, M.³²⁰, Yim, H.³²⁰, Mendez, S.³⁷¹, Satija, S.²⁴⁷

Contrast Matching of Vycor

Kim, M.^{470, 247}

Critical Scattering in GaMnAs

Rhyne, J.⁴⁷⁸, Kirby, B.⁴⁷⁸, Borchers, J.²⁴⁷

Crystal and Magnetic Structure of LaSrMnWO₆: Neutron Diffraction Study

Lin, Q.³¹⁵, Greenblatt, M.³¹⁵

Crystal Chemistry of Protonic Centers in Zeolites

Jones, C.²⁴⁷, Olson, D.⁴⁸⁸, Toby, B.²⁴⁷

Crystal Field Splitting in PrInNi₄

Sato, T.²⁴⁷, Lee, S.²⁴⁷, Suzuki, H.²²²

Crystal Structure and Amorphous Content of Ice Ih From High-Quality Powder Samples

Jones, C.²⁴⁷, Peral, I.^{470, 247}

Crystal Structure and Magnetic Properties in NaNiO₂

Huang, Q.²⁴⁷, Cava, R.²⁹⁴

Crystal Structure and Magnetic Properties of NaRh₂O_{4+x}

Huang, Q.²⁴⁷, Yamaura, K.²²²

Crystal Structure and Magnetic Properties of NdCo_{9.5}V_{2.5}

Huang, Q.²⁴⁷, Rao, G.¹⁴⁶, Lynn, J.²⁴⁷

Crystal Structure and Phase Transition in YOCl

Wong-Ng, W.²⁴⁸, Huang, Q.²⁴⁷

Crystal Structure Determination of Bi-Ag-Nd-O

Huang, Q.²⁴⁷, Wong-Ng, W.²⁴⁸

Crystal Structure of Ba_xPb_yNb₂O₆

Wong-Ng, W.²⁴⁸, Huang, Q.²⁴⁷, Yang, Z.²⁴⁸

Crystal Structure of Nano-Ce₂O₃ and ZrO₂

Huang, Q.²⁴⁷, Chan, S.⁶⁴

Crystal Structure of Sulfolane

Jones, C.²⁴⁷

Crystal Structure of YBaCuO-SrTiO₃

Wong-Ng, W.²⁴⁸, Huang, Q.²⁴⁷, Yang, Z.²⁴⁸

Crystal Structures and Magnetic Properties of Sr₄Rh₃O₁₀

Huang, Q.²⁴⁷, Yamaura, K.²²²

Degradation of Monolayer Lubricants for MEMS

Kent, M.³²⁰, Yim, H.³²⁰, Dugger, M.³²⁰, Satija, S.²⁴⁷

Delafossite Structures

Sleight, A.²⁷⁹, Li, J.²⁷⁹, Yokochi, A.²⁷⁹

Depth Profile of the Magnetic Order in Fe/Fe₃O₄ Electrodes

Farrow, R.¹²³, Toney, M.³³³, Borchers, J.²⁴⁷, O'Donovan, K.^{438, 247}, Doucet, M.⁴⁷⁰

Determining Magnetic Structure of (Pr_{1-x}La_x)_{1.99}Ce_{0.01}CuO₄

Dai, P.⁷⁹², Wilson, S.⁷⁹², Kang, H.⁷⁹², Lynn, J.²⁴⁷

Determining the Polycrystallinity and Phase Purity of Bismuth Samples

Udovic, T.²⁴⁷, Leao, J.²⁴⁷, Brown, C.^{470, 247}, Zeitoun, R.⁴⁷⁰

Diffraction on Hydrogenated Austenitic Stainless Steels

Hoelzel, M.³⁴³, Danilkin, S.¹⁰⁹, Udovic, T.²⁴⁷

Diffraction Studies of Novel Neutron Absorbing Materials

Pike, T.^{163, 247}, Hundertmark, P.^{163, 247}, Toby, B.²⁴⁷

Diffuse Magnetic Scattering From Patterned GdFe/TbFe Layers

Mangin, P.^{747, 247}, Mangin, S.⁷⁴⁷, Montaigne, F.⁷⁴⁷, Borchers, J.²⁴⁷, Gentile, T.²⁴⁷, Chen, W.²⁴⁷, O'Donovan, K.^{438, 247}

Diffusion Dynamics of Single-Wall Carbon Nanotubes Filled Polymer Thin Films

Shin, K.⁶⁶⁸, Rafailovich, M.³³⁷, Satija, S.²⁴⁷

Diffusion of Monodispersed Particles

Lin, M.^{87, 247}, Mason, T.⁸⁷

Dispersion Characterization of Carbon Nanotubes

Hernandez, Y.²⁴⁷

Dispersion Characterization of Nanoparticle in Suspension and Model Polymer Systems

Sung, L.²⁴⁶, Votruba-Drzal, P.²⁴⁶, Scierka, S.²⁴⁶, Ho, D.^{470, 247}

- Dispersion of Clay in Toluene**
Lin-Gibson, S.²⁵⁵, Ho, D.^{470, 247}, Hobbie, E.²⁵⁵
- Dissolution of Chemically Modified Carbon Nanotubes in Superacids**
Bauer, B.²⁵⁵, Hobbie, E.²⁵⁵, Fry, D.²⁵⁵, Pasquali, M.³⁰⁶
- Distribution of Ions in Battery Materials**
Zavalij, P.³⁷, Whittingham, M.³⁷, Ma, M.³⁷
- DOS of H-ZSM5**
Brown, C.^{470, 247}, Jones, C.²⁴⁷
- DOS of Sulpholane**
Brown, C.^{470, 247}, Jones, C.²⁴⁷, Peral, I.^{470, 247}
- Dynamics of Crude Oils**
Lin, M.^{87, 247}, Mason, T.⁸⁷
- Dynamics of H in Cs₃(HSO₄)₂(H₂PO₄) and CsH(PO₃H)**
Jones, C.²⁴⁷, Chisholm, M.⁴⁴, Haile, S.⁴⁴
- Dynamics of Highly Mobile Surface Water in ZrO₂ Nano-Powders**
Mamontov, E.^{470, 247}
- Dynamics of Lubricants**
Wolff, M.⁷⁴⁵, Magerl, A.⁷⁴⁵, Frick, B.⁶⁹⁰, Zabel, H.⁵⁶⁸
- Dynamics of Para-Xylene in Silicalite Zeolite**
Nair, S.⁴⁷⁰, Dimeo, R.²⁴⁷, Brown, C.^{470, 247}, Peral, I.^{470, 247}
- Dynamics of Structure I and Structure II Trimethylene Oxide Deuterate**
Jones, C.²⁴⁷, Peral, I.^{470, 247}
- Dynamics of Surface Water and Hydroxyl Groups in Cerium Oxide**
Mamontov, E.^{470, 247}
- Dynamics of the Spin Glass Like Phase in Co₂RuO₄**
Granroth, G.³²⁹, Nagler, S.²⁷⁰, Mandrus, D.²⁷⁰, Abernathy, D.³²⁹
- Dynamics of Water in Zeolites: Effects of Hydration Level and Ionic Charge**
Wada, N.³⁸⁷, Kamitakahara, W.²⁴⁷
- Dynamics of Water on the Surface of Nano-Powder Cerium Oxide**
Mamontov, E.^{470, 247}
- Effect of Carbon Black Filler on Elastomer Blends**
Koga, T.³³⁷, Si, M.³³⁷, Rafailovich, M.³³⁷, Sokolov, J.³³⁷, Satija, S.²⁴⁷
- Effect of Heat Treatment on Phase Composition of Commercial Titanium**
Stalick, J.²⁴⁷, Chen-Mayer, H.²⁴⁴
- Effects of the Additives on the Final State of Water in Hydrated Cement Paste**
Chen, S.¹⁹⁷, Faraone, A.¹⁹⁷, Baglioni, P.⁶¹⁴, Fratini, E.⁶¹⁴
- Elastic Constants of Cementite**
Ruiz, J.⁸⁶¹, Luzin, V.^{337, 247}, Gnaeupel-Herold, T.^{470, 247}, Prask, H.²⁴⁷
- Elastic Neutron Scattering of Gas-Storage Carbon Monoliths and Activated Carbon Particulates**
Howe, J.²⁷⁰
- Elastic-Plastic Behavior of Omega and Quasicrystalline AlFeCu Composites**
Gnaeupel-Herold, T.^{470, 247}, Prask, H.²⁴⁷, Tang, F.^{154, 270}, Anderson, I.¹⁵⁴
- Epsilon-Fe₂O₃ From Xerogel**
Burton, B.²⁴⁸, Roig, A.⁴¹⁴
- Evolution of Nanocrystalline Alkaline-Earth Oxide Structure: Metal Hydroxide to Aerogel Oxide Transformation**
Hackley, V.²⁴⁸, Sung, L.²⁴⁶, Ho, D.^{470, 247}
- Examine Detergent Structure in SDS-PAGE Using SANS**
Ho, D.^{470, 247}, Giulian, G.²²⁷, Hwang, J.²²⁷
- Exchange Coupling and Anisotropy in FePt/FeNi Exchange Springs**
O'Donovan, K.^{438, 247}, Borchers, J.²⁴⁷, Majkrzak, C.²⁴⁷, Hellwig, O.⁷²⁷, Fullerton, E.⁷²⁷
- Form of Photoacid Generated Deprotection in Photoresists**
Jones, R.²⁵⁵, Hu, T.²⁵⁵, Wu, W.²⁵⁵
- Gels for Sensor Applications**
Hedden, R.²⁸⁷, Unal, B.²⁸⁷, Lenhart, J.³²⁰
- Geometrical Frustration in Al₁V₂O₄**
Chung, J.^{470, 247}, Lee, S.²⁴⁷
- Glass Transition Temperatures of Partially Deuterated PMMA**
Brown, C.^{470, 247}, Kim, M.^{470, 247}
- High Temperature Phase Study of Ti₃Ni₄**
Stalick, J.²⁴⁷, Waterstrat, R.²⁴⁷
- High-Temperature Structural Changes in Zr₉Ni₁₁**
Stalick, J.²⁴⁷, Waterstrat, R.²⁴⁷
- Hydrogen Adsorbed in Mesoporous Carbons**
Brown, C.^{470, 247}, Pinnavaia, T.⁴⁷⁶, Neumann, D.²⁴⁷
- Hydrogen Dynamics in Acidic Polyoxometallates**
Brown, C.^{470, 247}, Burns, R.⁸²⁶
- Hydrogen Dynamics in Water Doped Barium Titanate**
Atakan, V.³¹⁵, Brown, C.^{470, 247}, Udovic, T.²⁴⁷
- Hydrogen in Graphite**
Nemes, N.^{470, 247}, Borondics, F.⁸⁰⁵, Pekker, S.⁸⁰⁵
- Hydroxyl Content Characterization of Hydrothermally Synthesized Barium Titanate**
Atakan, V.³¹⁵, Riman, R.³¹⁵
- In Situ Study of Nucleation Process of Methane Hydrate**
Koga, T.³³⁷, Gutt, C.⁷³³, Tolan, M.⁷³³, Rafailovich, M.³³⁷, Sokolov, J.³³⁷, Mahajan, D.³³⁷, Satija, S.²⁴⁷
- Influence of Nanoparticles on the Order - Disorder Transition Temperatures for Block Copolymer Solutions**
Krishnamoorti, R.⁴⁵⁹, Yurekli, K.⁴⁵⁹, Kowalski, K.⁴⁵⁹
- Inter-Particle Correlations and Intra-Particle Magnetic Microstructure in Ordered Arrays of Fe-Pt Nanoparticles**
Weissmueller, J.⁸⁸³, Foster, K.⁸⁸³, Michels, A.²⁸⁵
- Investigation of Structural Evolution of Silica Nanoparticles in Nonionic Without Microemulsion Systems**
Bush, A.²⁹, Schulz, J.²⁹
- Investigation of the Zr₉P₁₁ Structure Type**
Stalick, J.²⁴⁷, Waterstrat, R.²⁴⁷
- Ionic Diffusion in ATi_(1-x)Fe_xO_{3-x/2} Systems, A=Ca, Sr (x=0.15; 0.3)**
Magerl, A.⁷⁴⁴, Mashkina, E.⁷⁴⁴
- Jahn-Teller Distortions in K₄C₆₀ and Rb₄C₆₀**
Nemes, N.^{470, 247}, Brown, C.^{470, 247}, Klupp, G.⁸⁰⁵, Kamaras, K.⁸⁰⁵
- Lattice Distortions in ZnV₂O₄ Frustrated Spinel**
Louca, D.⁵⁰⁶
- Lattice Strain in Gas-Atomized PdRH Powders**
Majzoub, E.³²⁰, Udovic, T.²⁴⁷
- Long Chain Crystallites in a Sheared Short Chain PE Melt**
Soles, C.²⁵⁵, Hsiao, B.³³⁷
- Low Energy Excitations in LaCoO₃**
Louca, D.⁵⁰⁶, Lee, S.²⁴⁷
- Low Temperature Structure of Silicalite/p-xylene Complex**
Nair, S.⁴⁷⁰
- Low-Energy Spin Dynamics in the Icosahedral Zn-Mg-Tb Quasicrystal**
Sato, T.²²²
- Low-Energy Vibrational Modes in Nanocrystalline Iron**
Fultz, B.⁴⁴, Yue, A.⁴⁴, Papandrew, A.⁴⁴, Delaire, O.⁴⁴, Chowdhuri, Z.^{470, 247}, Dimeo, R.²⁴⁷, Neumann, D.²⁴⁷
- Low-Temperature Dynamics of Surface Water in ZrO₂**
Mamontov, E.^{470, 247}
- Magnetic Cluster Size in Perpendicular Magnetic Hard Disk Media**
Glinka, C.²⁴⁷, Wu, X.⁸⁰⁸, Borchers, J.²⁴⁷, Platt, C.⁸⁰⁸
- Magnetic Correlations and Phonons in La_{1-x}Sr_xCoO₃**
Rosenkranz, S.²⁴, Osborn, R.²⁴, Chupas, P.²⁴, Lynn, J.²⁴⁷, Louca, D.⁵⁰⁶
- Magnetic Correlations in Iron Nanoparticles**
Ijiri, Y.²⁷¹, Borchers, J.²⁴⁷, Rhyne, J.⁴⁷⁸, Majetich, S.⁴⁸
- Magnetic Field Induced Effect in Electron Doped (PrLa)_{0.99}Ce_{0.01}CoO₄**
Dai, P.⁷⁹², Wilson, S.⁷⁹², Lynn, J.²⁴⁷
- Magnetic Ordering in Zn_xMg_{1-x}Fe₂O₄**
Vestal, C.¹⁰⁵, Zhang, Z.¹⁰⁵
- Magnetic Profile in Laves-Phases Spring Magnets**
Mangin, P.^{747, 247}, Borchers, J.²⁴⁷, O'Donovan, K.^{438, 247}, Dumesnil, K.⁷⁴⁷, Dufour, C.⁷⁴⁷
- Magnetic Structure and Properties of LaCaMnMoO₆**
Lin, Q.³¹⁵, Greenblatt, M.³¹⁵, Toby, B.²⁴⁷
- Magnetic Structure of Europium Thin Films**
Mangin, P.^{747, 247}, Borchers, J.²⁴⁷, Soriano, S.⁷⁴⁷, Dufour, C.⁷⁴⁷, Dumesnil, K.⁷⁴⁷
- Magnetic Structure of New Osmium Containing Perovskites**
zur Loye, H.³⁹⁴
- Magnetic Structures of the Ruddlesden-Popper Manganites Ca_{3-x}La_xMn₂O₇ in the Magnetic Crossover Regime**
Lobanov, M.³¹⁵, Greenblatt, M.³¹⁵, Caspi, E.²⁴, Jorgensen, J.³¹⁵, Toby, B.²⁴⁷
- Magnetic Transition in Co/Ru/Co Synthetic Ferrimagnet**
Lee, W.²⁷⁰, O'Donovan, K.^{438, 247}, Zhao, Z.⁸⁰², Mankey, G.⁸⁰²
- Magnetic-Field Dependence of Short-Range Magneto-Polaronic Correlations in (Nd,Sr)₂MnO₄**
Campbell, B.⁷⁷⁸, Osborn, R.²⁴, Lynn, J.²⁴⁷
- Magnetism in NiAlFe Alloys and its Influence on Mechanical Properties**
Wang, X.^{329, 270}, Fernandez-Baca, J.²⁷⁰, Liu, C.²⁷⁰
- Magnetization as a Function of Depth in GaMnAs Films**
Rhyne, J.¹⁸⁸, Kirby, B.⁴⁷⁸, Furdyna, J.⁴⁸⁴, Borchers, J.²⁴⁷, O'Donovan, K.^{438, 247}, Te Velthuis, S.²⁴, Hoffman, A.²⁴, Wojtowicz, T.⁴⁸⁴, Liu, X.⁴⁸⁴, Lim, W.⁴⁸⁴
- Materials Via Peptide Folding and Self-Assembly**
Pochan, D.⁴⁵³, Deming, T.⁴⁵³, Schneider, J.⁴⁵³

- Measurement of Cementite Phase in Pearlitic Steel Wire**
Ruiz, J.⁸⁶¹, Luzin, V.^{337, 247}
- Mechanism of Solubilization of Single Walled Carbon Nanotubes Using Surfactants**
Krishnamoorti, R.⁴⁵⁹, Mitchell, C.⁴⁵⁹, Yurekli, K.⁴⁵⁹
- Methyl Rotational Tunneling of Mesitylene in Silicalite Zeolite**
Nair, S.⁴⁷⁰, Dimeo, R.²⁴⁷
- Micellar Structural Changes in Photo-Isomerization of Novel Photo-Responsive Surfactants**
Zhang, H.¹⁹⁷, Hatton, T.¹⁹⁷, Smith, K.¹⁹⁷
- Microstructure and Physical Properties of Friction Stir-Welded Al₆XN Stainless Steel**
Gnaeupel-Herold, T.^{470, 247}, Luzin, V.^{337, 247}, Prask, H.²⁴⁷, Sidle, B.⁷⁰, Dawson, P.⁷⁰
- Microstructure of Aluminosilicate Geopolymers**
Connolly, J.⁷², Rowles, M.⁷², Buckley, C.⁷², O'Connor, B.⁷²
- Mineralization Processes in Bioactive Amorphous Calcium Phosphate-Polymer Composites**
Antonucci, J.²⁵⁵, Skrtic, D.²⁵⁵, Jones, C.²⁴⁷
- Mobility Transition of Molecular Hydrogen Adsorbed on Single Walled Carbon Nanotubes**
Narehood, D.²⁸⁷, Sokol, P.²⁸⁷, Eklund, P.²⁸⁷, Cole, M.²⁸⁷
- Mobility Transitions of Molecular Hydrogen Adsorbed in Opened Single Walled Carbon Nanotubes**
Narehood, D.²⁸⁷, Sokol, P.²⁸⁷, Eklund, P.²⁸⁷, Cole, M.²⁸⁷
- Molecular Shape Selectivity of EUO Zeolite**
Peral, I.^{470, 247}, Jones, C.²⁴⁷, Varkey, S.⁴⁵³, Lobo, R.⁴⁵³
- Morphological Studies of Model Polymer-Layered Silicate Nanocomposites**
Ho, D.^{470, 247}, Kurian, M.⁴⁵³, Galvin, M.⁴⁷⁰, Beyer, F.³⁹³
- Morphological Study of Single Wall Carbon Nanotube Suspensions**
Zhou, W.⁴⁸⁸, Winey, K.⁴⁸⁸, Fischer, J.⁴⁸⁸, Davis, V.³⁰⁶, Pasquali, M.³⁰⁶, Wang, H.⁷¹³
- Multi- and Unilamellar Vesicle Formation From Poly (ethyleneoxide)-Poly (butyleneoxide) Diblock Copolymers in Aqueous Solutions**
Lin-Gibson, S.²⁵⁵, Norman, A.²⁵⁵, Ho, D.^{470, 247}
- Nanoporous Low-K Thin Films**
Lee, H.²⁵⁵, Silverstein, M.²⁵⁵, Hedden, R.²⁵⁵, Bauer, B.²⁵⁵
- Nanoscale Counterion Dynamics**
Prabhu, V.²⁵⁵, Rosov, N.²⁴⁷, Bossev, D.^{470, 247}
- Network Phases of Laponite**
Leheny, R.¹⁶³, Yardimci, H.¹⁶³, Semmonms, D.¹⁶³, Harden, J.¹⁶³, Barker, J.²⁴⁷
- Neutron Diffraction of Sodium Zirconium Nitride Fluoride**
Stoltz, C.⁴⁷⁰
- Neutron Diffraction Studies on Sr_(0.945)Pr_(1.055)O₃**
Haile, S.⁴⁴, Thundathil, M.⁴⁴, Jones, C.²⁴⁷
- Neutron Diffraction Study of Cs₃(HSO₄)₂(H₂PO₄) and Cs₃(DSO₄)₂(D₂PO₄)**
Haile, S.⁴⁴, Chisholm, C.⁴⁴, Jones, C.²⁴⁷
- Neutron Powder Diffraction Study of Xe Clathrate Hydrate to Determine Guest Fractional Occupancy as a Function of Temperature**
Eaton, M.⁶², Rawn, C.²⁷⁰, Chakoumakos, B.⁶²
- Neutron Reflectivity of [GaAs/Mn] Digital Ferromagnetic Superlattices**
Shi, J.⁵⁰⁵, Diwekar, M.⁵⁰⁵, Borchers, J.²⁴⁷, O'Donovan, K.^{438, 247}
- Neutron Reflectivity Study of Nuclear Spin Polarization in MnAs/GaAs Structures**
Fitzsimmons, M.¹⁸⁸, Borchers, J.²⁴⁷, Gentile, T.²⁴⁷, Majkrzak, C.²⁴⁷, Crowell, P.⁴⁷⁷, Palmstrom, C.⁴⁷⁷
- Neutron Scattering Studies of the R₅(Si_xGe_{1-x})₄ Magnetoelastic Intermetallic Compounds**
Lin, L.⁵⁸⁸, Garlea, O.⁵⁸⁸, Zarestky, J.⁵⁸⁸, Jones, C.²⁴⁷
- Neutron Spin Echo Study of Concentrated Glucose Solution Dynamics**
Saboungi, M.²⁴, Price, D.²⁴, Smith, L.²⁴, Brady, J.⁷⁰, Talon, C.⁵⁵
- Neutron Vibrational Spectrum of C₆₀@SWNT (peapods)**
Nemes, N.^{470, 247}, Brown, C.^{470, 247}, Simon, F.⁸⁶⁵, Kuzmany, H.⁸⁶⁵
- Nucleation Structure of Li₂Si₂O₅ Glass**
Trevino, S.^{393, 247}, Adams, J.³⁹³
- Off-Specular Magnetic Scattering From Exchange-Spring Magnets**
O'Donovan, K.^{438, 247}, Hellwig, O.⁸⁰³, Fullerton, E.⁷²⁷, Chen, W.¹³⁰, Gentile, T.²⁴⁷
- Ordering in Fluorite-Related Superstructures: Cation Substitution**
Walton, E.⁷⁰, Wuensch, B.¹⁹⁷
- Ordering in Fluorite-Related Superstructures: Parent Materials**
Walton, E.⁷⁰, Wuensch, B.¹⁹⁷
- Orientation and Relaxation of Polymer Clay Nanocomposites**
Schmidt, G.¹⁹⁰, Malwitz, M.¹⁹⁰, Loizou, E.¹⁹⁰, Butler, P.²⁴⁷, Porcar, L.^{470, 247}
- Orientation of Deuterium Atoms in Propylene-(D) Loaded ITQ-12**
Olson, D.⁴⁸⁸, Yang, X.⁴⁸⁸
- Overbased Detergents in Lube Oil**
Dowding, P.⁸⁷, Adams, C.⁸⁷, Steytler, D.⁸⁷
- Partial Disorder in Pyrochlore A-site Substitution**
King, C.¹⁹⁷, Wuensch, B.¹⁹⁷
- Particle Size Distributions in Heat Treated FePtAg Nanoparticles**
Vemuru, K.³⁶⁸, Mankey, G.³⁶⁸, Nikles, D.³⁶⁸, Zoto, I.³⁶⁸
- Phase Behavior of SAN/PMMA Blends**
Wang, H.⁷¹³
- Phase Composition Changes in YSZ Thermal Barrier Coatings**
Stalick, J.²⁴⁷, Nagaraj, B.⁶³⁷, Darolia, R.⁶³⁷
- Phase Composition of Thermal Barrier Coatings on Substrates From Aircraft Engines**
Stalick, J.²⁴⁷, Nagaraj, B.⁶³⁷, Gao, X.¹⁹³
- Phonon Dampening of La_{1.2}Sr_{1.8}Mn₂O₇**
Argyriou, D.¹⁰⁹, Aliouane, N.¹⁰⁹, Lynn, J.²⁴⁷
- Phonon Density of States in Pentacene**
Shapiro, S.⁴², Lashley, J.¹⁸⁸
- Phonon Density of States of Single Walled Carbon Nanotubes**
Nemes, N.^{470, 247}, Brown, C.^{470, 247}, Yildirim, T.²⁴⁷
- Phonon DOS in the Water-Based Superconductor**
Lynn, J.²⁴⁷, Miller, V.²⁹⁴, Brown, C.^{470, 247}, Huang, Q.²⁴⁷, Cava, R.²⁹⁴
- PMMA Polymer Chain Dimension in LB Films**
Kim, H.¹⁷⁵, Chang, T.⁸⁸⁷, Chung, B.¹⁷⁵
- Polarized Neutron Diffraction Studies of Magnetic Ordering in Exchange-Biased Fe₃O₄/Co Superlattices**
Ijiri, Y.²⁷¹, Schulthess, T.²⁷⁰, Borchers, J.²⁴⁷, van der Zaag, P.²⁸⁹, Erwin, R.²⁴⁷
- Polarized Neutron Reflectivity Studies of Antiferromagnetically Coupled Magnetic Recording Media**
Toney, M.³³³, Fullerton, E.⁷²⁷, Margulies, D.⁷²⁷, O'Donovan, K.^{438, 247}, Borchers, J.²⁴⁷
- Polymer Coated Magnetic Nanoparticles**
Hatton, T.¹⁹⁷, Moeser, G.¹⁹⁷, Laibinis, P.¹⁹⁷
- Porod Scattering From Pores in High Temperature Fatigued Copper**
Barker, J.²⁴⁷
- Porosity in Pressed and Sintered Bismuth Powder**
Zitoin, R.⁴⁷⁰, Leao, J.²⁴⁷, Udovic, T.²⁴⁷, Barker, J.²⁴⁷
- Porous MSQ Films**
Lee, H.²⁵⁵, Bauer, B.²⁵⁵
- Powder Neutron Diffraction of NaAlD₄, Complex Metal-Hydride**
Majzoub, E.³²⁰, Gross, K.³²⁰, Udovic, T.²⁴⁷
- Powder Neutron Rietveld Refinement of Ba₃ZnTa₈O₂₄**
Wong-Ng, W.²⁴⁸
- Protein Adsorption Kinetics on Surfaces**
Koga, T.³³⁷, Pernodet, N.³³⁷, Rafailovich, M.³³⁷, Satija, S.²⁴⁷
- QENS Studies of the Hydration of Cement**
Nemes, N.^{470, 247}, Brown, C.^{470, 247}, Livingston, R.⁸⁹, Neumann, D.²⁴⁷
- Quasielastic and Inelastic Study of p-Phenylene Oligomers Adsorbed Onto Grafoil**
Kintzel, E.²⁷⁰, Herwig, K.²⁷⁰, Peral, I.^{470, 247}
- Residual Stress in Ni-Ti Multilayer Monochromator**
Agamalian, M.³²⁹
- Residual Stress in Cold-Sprayed Al Coatings**
Luzin, V.^{337, 247}, Li, L.³³⁷, Sampath, S.³³⁷, Prask, H.²⁴⁷, Gnaeupel-Herold, T.^{470, 247}
- Residual Stress in Railroad Rails**
Luzin, V.^{337, 247}, Gnaeupel-Herold, T.^{470, 247}, Prask, H.²⁴⁷, Gordon, J.⁶⁸⁷, Magiera, J.⁷¹
- Residual Stress in Small Eutectoid Wires**
Ruiz, J.^{861, 247}, Luzin, V.^{337, 247}, Gnaeupel-Herold, T.^{470, 247}, Prask, H.²⁴⁷
- Residual Stress, Texture and "Springback" in Automotive Applications**
Prask, H.²⁴⁷, Gnaeupel-Herold, T.^{470, 247}, Luzin, V.^{337, 247}, Fields, R.²⁵³, Levine, L.²⁵³, Banovic, S.²⁵³, Chu, E.¹⁵, Foecke, T.²⁵³, Xia, C.⁹⁴, Shi, M.⁶⁸⁵
- Residual Stresses and High Speed Machining**
Gnaeupel-Herold, T.^{470, 247}, Prask, H.²⁴⁷, Boettinger, W.²⁵³, Polvani, R.²⁵¹, Ivester, R.²⁵¹, Campbell, C.²⁵³, Marusch, T.⁶⁸⁶
- Residual Stresses and Optimizing Machining Strategies for Aluminum Bars**
Gnaeupel-Herold, T.^{470, 247}, Prask, H.²⁴⁷, Fields, R.²⁵³, Ivester, R.²⁵¹, Bowden, D.³⁹, Chu, E.¹⁵, Newborn, M.¹⁵, Schultz, R.¹⁵

- Residual Stresses Around Welds in Pipelines**
Law, M.²⁹, Luzin, V.^{337, 247}, Gnaeupel-Herold, T.^{470, 247}, Prask, H.²⁴⁷
- Rotational Barriers in K_4C_{60} and Rb_4C_{60}**
Nemes, N.^{470, 247}, Brown, C.^{470, 247}, Klupp, G.⁸⁰⁵, Kamaras, K.⁸⁰⁵
- Rotational Motions of Molecular Gyroscopes**
Dimeo, R.²⁴⁷, Garcia-Garibay, M.⁷⁸⁶
- RPV Steel Microstructure Evaluation**
Odette, R.⁴⁴¹, Klingensmith, R.⁴⁴¹, Alinger, M.⁴⁴¹, Wirth, B.¹⁸³
- Ru Spin Ordering $Y_2Ru_2O_7$ Below the Spin-Glass Transition**
Broholm, C.^{163, 247}, van Duijn, J.¹⁶³
- SANS Investigation of Labile Surfactants and Supramolecular Assemblies**
Simmons, B.³²⁰, Kline, S.²⁴⁷, Long, T.³²⁰
- SANS Investigations of the Self-Assembly of Phosphate Surfactants in Water-in-Co₂ Microemulsions**
DeSimone, J.³⁷³, Johnson, C.³⁷³, Xu, B.³⁷³, Guo, J.³⁷³, Wignall, G.²⁷⁰, Melnichenko, Y.²⁷⁰
- SANS on PEO/ETOH Gels and Solutions**
Ho, D.^{470, 247}, Hammouda, B.²⁴⁷, Kline, S.²⁴⁷
- SANS Studies of Sulfonated Polystyrene Ionomer Films**
Friskken, B.³²⁵, Diat, O.⁸⁸¹, Rubatat, L.³²⁵
- Scattering From Edges of Apertures**
Barker, J.²⁴⁷
- Search for "Killer Pores" in Low-K Thin Films**
Bauer, B.²⁵⁵, Hedden, R.²⁵⁵, Lee, H.²⁵⁵, Kim, M.^{470, 247}, Glinka, C.²⁴⁷
- Search for Magnetic Order in $SrRE_2O_4$ (Re-Dy, Ho, Er, Yb, and Tm)**
Huang, Q.²⁴⁷, Cava, R.²⁹⁴, Lynn, J.²⁴⁷
- Search for Magnetic Response in $Bi_{(2201)}$ Single Crystals**
Greven, M.³³⁴, Lu, L.³³⁴, Mang, P.³³⁴, Kaneko, N.⁸⁰⁴
- Search for Structural Phase Transition in $Pr_{0.65}Ca_{0.25}Sr_{0.1}MnO_3$**
Li, W.²¹⁸, Yang, C.²¹⁸, Tsao, F.²¹⁸, Wu, S.²¹⁸
- Shape Fluctuations in DMPC-Cholesterol Vesicles**
Bossev, D.^{470, 247}, Rosov, N.²⁴⁷
- Shear Dependence on Polymer Particle Interactions**
Nakatani, A.³⁰⁹, Vandyk, A.³⁰⁹
- Shock Induced Cavitation in Aluminum**
Levine, L.²⁴⁸, Belak, J.¹⁸³, Barker, J.²⁴⁷
- Short Range Magnetic Ordering in Doped Cobaltites**
Leighton, C.⁴⁷⁷, Wu, J.⁴⁷⁷
- Single Particle Dynamics in Supercooled and Glassy Toluene-Benzyl Chloride**
Leheny, R.¹⁶³, Yardimci, H.¹⁶³, Rosov, N.²⁴⁷, Dimeo, R.²⁴⁷
- Single Wall Carbon Nanotube/DNA Complexes**
Bauer, B.²⁵⁵, Fry, D.²⁵⁵, Hobbie, E.²⁵⁵, Wang, H.²⁵⁵
- SiO₂ Particles in Organic Solvents**
Bossev, D.^{470, 247}
- Small Angle Neutron Scattering (SANS) by Opals**
Diwekar, M.⁵⁰⁵, Shi, J.⁵⁰⁵
- Small Angle Neutron Scattering From Bundled Actin Networks**
Hirst, L.⁴³⁶, Pynn, R.¹⁸⁸, Safinya, C.⁴³⁶
- Small Angle Neutron Scattering Studies of Carbon Nanofibers and Carbon Nanofiber/Phenolic Resin Composites**
Yoonessi, M.⁷²⁵, Toghiani, H.⁷²⁵, Pittman, C.⁷²⁵
- Spectroscopy of $Ca(OH)_2$ Consumption in Fly Ash**
Bumrongjaroen, W.⁵⁷⁰, Livingston, R.⁸⁹, Neumann, D.²⁴⁷
- Spin Gap in TiOCl**
Lee, Y.¹⁹⁷, Abel, E.¹⁹⁷
- Spin Twists in Co/FeMn Bilayers**
Reilly, A.³⁵⁹, Bass, J.²⁰⁷, Pratt, W.²⁰⁷, Borchers, J.²⁴⁷, O'Donovan, K.^{438, 247}
- Spin Waves in Iron-Based Magnetic Nanoparticles**
Ijiri, Y.²⁷¹, Borchers, J.²⁴⁷, Rhyne, J.¹⁸⁸, Majetich, S.⁴⁸
- Spontaneous Formation of Vesicles**
Nieh, M.²³⁰, Bossev, D.^{470, 247}
- Spring Magnet in Laves Phases Superlattices**
Mangin, P.^{747, 247}, Borchers, J.²⁴⁷, Dufour, C.⁷⁴⁷, Dumesnil, K.⁷⁴⁷
- Structural Analysis of New 1:2 Ordered Perovskite Dielectrics**
Levin, I.²⁴⁸, Davies, P.⁴⁸⁸, Lufaso, M.²⁴⁸, Wu, H.⁴⁸⁸
- Structural and Magnetic Ordering in $ErD_{2.35}$**
Udovic, T.²⁴⁷, Huang, Q.²⁴⁷, Erwin, R.²⁴⁷, Vajda, P.⁸⁷⁹, Andre, G.⁵⁰
- Structural and Vibrational Characterization of Biphenyl Under Pressure**
Leao, J.²⁴⁷, Pivovar, A.²⁴⁷
- Structural Changes of Perylene With Pressure and Temperature**
Pivovar, A.²⁴⁷
- Structural Changes of Tetracene With Pressure and Temperature**
Pivovar, A.²⁴⁷, Frisbie, D.⁴⁷⁷
- Structural Determination of $Mo_6V_3NbTeO_{30}$**
Desanto, Jr., P.⁴⁵³, Buttrey, D.⁴⁵³
- Structural Order of YD_3 and LaD_3**
Udovic, T.²⁴⁷, Huang, Q.²⁴⁷
- Structural Ordering in LaF_3**
Udovic, T.²⁴⁷, Huang, Q.²⁴⁷, Rush, J.²⁴⁷
- Structural Phase Transition in K_4C_{60}**
Nemes, N.^{470, 247}, Klupp, G.⁸⁰⁵, Kamaras, K.⁸⁰⁵
- Structural Phases of $ZrBe_2H_x$ by Neutron Diffraction**
Chowdhuri, Z.^{470, 247}, Cappelletti, R.²⁴⁷, Huang, Q.²⁴⁷, Udovic, T.²⁴⁷
- Structural Studies of Ordered Double Perovskites**
Woodward, P.²⁷⁵, Barnes, P.²⁷⁵, Lufaso, M.²⁴⁸, Karen, P.⁴⁸⁶
- Structural Studies of Zr_3Pt_4 and Zr_3Rh_4**
Stalick, J.²⁴⁷, Waterstrat, R.²⁴⁷
- Structural Study of $Cu(pz)_2(ClO_4)_2$ as a Function of Temperature**
Woodward, P.²⁴⁷, Rosov, N.²⁴⁷, Landee, C.⁵⁹, Turnbull, M.²⁴⁷
- Structural Transition in Rb_4C_{60}**
Nemes, N.^{470, 247}, Klupp, G.⁸⁰⁵, Kamaras, K.⁸⁰⁵
- Structural Transitions in Fe_7Pd_3 Alloy**
Cui, J.⁴⁷⁰
- Structural Transitions in $La_{0.85}(Ca,Sr)_{0.25}MnO_3$**
Kiryukhin, V.³¹⁵
- Structure and Composition of " $SrCu_3Ti_4O_{12}$ "**
Sleight, A.²⁷⁹, Li, J.²⁷⁹, Yokochi, A.²⁷⁹, Subramanian, M.⁷⁹
- Structure Determination of Lithium Imide (Li_2NH)**
Balogh, M.¹⁰³, Jones, C.²⁴⁷
- Structure Factor of Supercooled Toluene - Benzyl Chloride Mixture**
Leheny, R.¹⁶³, Yardimci, H.¹⁶³, Rosov, N.²⁴⁷
- Structure Measurements of Polymer Electrolyte Membranes**
Pivovar, A.²⁴⁷, Pivovar, B.¹⁸⁸
- Structure of Clay in Acetone/Aqueous Solutions**
Gadd, G.²⁹, Knott, R.²⁹
- Structure of Dielectric Ceramic Oxides**
Lufaso, M.²⁴⁸, Vanderah, T.²⁴⁸
- Structure of Er_3Ru_2**
Stalick, J.²⁴⁷, Waterstrat, R.²⁴⁷
- Structure of Low Molecular Weight Organogels**
Terech, P.⁶⁷, Weiss, R.¹⁰⁴, George, C.¹⁰⁴, Glinka, C.²⁴⁷
- Structure of Methyl Iodide and Cyclopentane Clathrate Hydrates**
Jones, C.²⁴⁷
- Structure of New and Aged Zr_2FeD_x and Zr_3FeD_x**
Coleman, M.⁶⁹⁷, Chandra, D.⁶⁹⁷, Udovic, T.²⁴⁷, Huang, Q.²⁴⁷
- Structure of Pores and Micro-Cracks in Piezoelectric Ceramics**
Agamalian, M.³²⁹, Pozdnyakova, I.⁷²⁴, Glinka, C.²⁴⁷, Barker, J.²⁴⁷, Kim, M.^{470, 247}
- Structure of Propylene Oxide Clathrate Hydrate**
Jones, C.²⁴⁷, Peral, I.^{470, 247}
- Structure of Ti_3Al as a Function of O Content**
Jones, C.²⁴⁷, Copland, E.⁸⁷⁷
- Structure of $YD_{1.8}$**
Udovic, T.²⁴⁷, Huang, Q.²⁴⁷
- Structure of Zr_2FeD_x and Zr_3FeD_x**
Udovic, T.²⁴⁷, Huang, Q.²⁴⁷, Chandra, D.⁶⁹⁷, Hagman, A.⁶⁹⁷
- Structure of Zr_3Pd_4 at Low Temperature**
Stalick, J.²⁴⁷, Waterstrat, R.²⁴⁷
- Structure of Zr_3Pt_{11} at Low Temperature**
Stalick, J.²⁴⁷, Waterstrat, R.²⁴⁷
- Structure of $ZrNiD_{0.88}$ Above 300 K**
Udovic, T.²⁴⁷, Huang, Q.²⁴⁷, Bowman, R.⁶⁹⁴
- Structure Refinements of $Ba_5ATa_4O_{18}$, A=Na, Ag and K**
Wong-Ng, W.²⁴⁸
- Structures and Kinetics of Photo-Crosslinkable Hydrogels for Tissue Engineering**
Lin-Gibson, S.²⁵⁵, Jones, R.²⁵⁵
- Structures of Doped and Undoped Structure I and Structure II Trimethylene Oxide Deuterate**
Jones, C.²⁴⁷, Peral, I.^{470, 247}
- Structures of NdD_{3-x} and PrD_{3-x}**
Huang, Q.²⁴⁷
- Structuring in Alkane Eutectics**
Gilbert, E.²⁹, Nelson, A.²⁹, Sutton, D.²⁹

- Studies of Novel Star Molecules as Potential Porogen Materials for Nanoporous Low-K Dielectrics**
Briber, R.⁴⁷⁰, Miller, R.¹²³, Kim, H.¹²³, Feng, H.⁴⁷⁰, Lin, Z.⁴⁷⁰
- Studies of the Diffuse Scattering in Pb(Mg_{1/3}Nb_{2/3})O₃**
Xu, G.⁴², Copley, J.²⁴⁷, Gehring, P.²⁴⁷, Shirane, G.⁴²
- Study of Agglomeration of Particles**
Londono, J.⁷⁹
- Temperature Dependent Phase Transitions of La_{2-x}Sr_xNiO_{4+δ}**
Desanto, Jr., P.²⁴⁸, Buttrey, D.⁴⁵³, Chung, K.⁴⁵³
- Testing of Spin Valve Magnetic Layers for Use as Reference Structures for Neutron Reflectivity/Interferometry Experiments**
Kneller, L.²⁴⁷, Dura, J.²⁴⁷, Majkrzak, C.²⁴⁷, Berk, N.²⁴⁷, Blasie, J.⁴⁸⁸
- Texture and Mechanical Properties of Biaxially-Strained Aluminum**
Luzin, V.^{337, 247}, Ricker, R.²⁵³, Pitchure, D.²⁵³
- Texture Measurements by Neutron Diffraction in an Unusually-Banded Saharan Varved Quartzite**
Bennett, K.³⁹⁴, Trevino, S.^{393, 247}, Stoesz, R.³⁹⁴, Luzin, V.^{337, 247}
- The Effect of Grain Growth in Polycrystalline Fine-Grained Ice Ih on Deformation Regimes**
McDaniel, S.^{188, 507}, Bennett, K.³⁹⁴, Waddington, E.^{188, 507}, Luzin, V.^{337, 247}, Trevino, S.^{393, 247}
- The Effect of Machining Induced Residual Stresses on the Stable Tearing Fracture Behavior of 2024-T3 Al Alloy**
Lease, K.⁵⁸⁰, Gnaeupel-Herold, T.^{470, 247}, Prask, H.²⁴⁷
- The Effect of Processing Conditions on Residual Stresses in 7050-T7451 Al Plates**
McMahan, T.^{862, 863}, Gnaeupel-Herold, T.^{470, 247}, Prask, H.²⁴⁷, Chaudhuri, J.⁸⁶³
- The Effect of the Morphology on the Luminescence Efficiency of Conjugated Polymers**
Wu, C.²¹⁸, Li, W.²¹⁸
- The Effect of Ultrasonic Impact Treatment on Residual Stress**
Gnaeupel-Herold, T.^{470, 247}, Prask, H.²⁴⁷, Chen, X.¹⁸⁵, Fisher, J.¹⁸⁵
- The Hydration of Tricalcium and Dicalcium Silicate Mixtures at 30 Degrees C: Effect of Mixture Ratio**
Peterson, V.^{470, 247}, Livingston, R.⁸⁹, Neumann, D.²⁴⁷
- The Influence of Residual Stresses on the Formability of Dual-Phase Steels**
Hance, B.^{685, 490}, Gnaeupel-Herold, T.^{470, 247}, Prask, H.²⁴⁷
- The Physical and Chemical Mechanisms Responsible for Carbon Sequestration in Soil Microaggregates**
McCarthy, J.⁴⁹⁹, Ilavsky, J.²⁴
- The Study of Uracil by Neutron Powder Diffraction**
Lake, C.⁶⁹⁸, Craven, B.⁶⁹⁸
- Through-Thickness Residual Stresses in Cr₂O₃ on a Steel Substrate**
Gnaeupel-Herold, T.^{470, 247}, Prask, H.²⁴⁷, Dubsky, J.¹⁴⁷
- Ultra Small Angle Neutron Scattering Studies of Carbon Nanofibers and Carbon Nanofiber/Phenolic Resin Composites**
Yoonessi, M.⁷²⁵, Toghiani, H.⁷²⁵, Pittman, C.⁷²⁵
- Uniaxial Alignment of Discotic Liquid Crystals Using Rotating Magnetic Field**
Choi, S.⁶¹⁶, Lee, J.⁶¹⁶, Pate, B.²⁷⁵
- USANS Studies of Gels for Sensor Applications**
Hedden, R.²⁸⁷, Unal, B.²⁸⁷, Lenhart, J.³²⁰
- USANS Study of Calcium Hydroxide in White Portland Cement**
Thomas, J.²⁶⁶, Allen, A.²⁴⁸, Jennings, H.²⁶⁶
- USANS Using Narrow Slits and Image Plates**
Barker, J.²⁴⁷
- Variable Field Investigation of Core-Shell Ferrite Nanoparticles**
Vestal, C.¹⁰⁵, Zhang, Z.¹⁰⁵, Borchers, J.²⁴⁷
- Vibrational Density of States of Tetracene Under Pressure**
Leao, J.²⁴⁷, Frisbie, C.⁴⁷⁷, Chesterfield, R.⁴⁷⁷
- Vibrational DOS of Zr-Fe Hydrides**
Udovic, T.²⁴⁷, Rush, J.²⁴⁷, Coleman, M.⁶⁹⁷, Chandra, D.⁶⁹⁷, Hagman, A.⁶⁹⁷
- Vibrational Dynamics in CsHSO₄**
Yildirim, T.²⁴⁷, Nemes, N.^{470, 247}, Haile, S.⁴⁴, Udovic, T.²⁴⁷
- Vibrational Dynamics of ZrNiD_x**
Udovic, T.²⁴⁷, Huang, Q.²⁴⁷, Bowman, R.⁶⁹⁴, Adolphi, N.¹⁶⁹
- Vibrational Mode Shift of Milled Sodium Aluminum Hydride**
Sulic, M.⁵⁷⁰, Jensen, C.⁵⁷⁰, Udovic, T.²⁴⁷
- Vibrational Spectra of Li₂NH and LiNH₂**
Udovic, T.²⁴⁷, Balogh, M.¹⁰³, Jones, C.²⁴⁷
- Vibrational Spectroscopy of Polyoxometalate Salts**
Burns, R.⁸²⁶, Gilbert, E.²⁹, Schulz, J.²⁹, Brown, C.^{470, 247}
- Voids in Irradiated Aluminum Single Crystal**
Barker, J.²⁴⁷
- Water Dynamics in a Model Fuel Cell Membrane: Nafion**
Pivovar, A.²⁴⁷
- Water Dynamics in Cement Pastes**
Aldridge, L.²⁹, Bardallo, H.¹⁰⁹, Desmedt, A.⁸⁷¹
- Water in the Very High Aspect Ratio Channels of Chrysotile Asbestos**
Mamontov, E.^{470, 247}
- Water Vibrational Dynamics in Cation-Exchanged Nafions**
Udovic, T.²⁴⁷, Trevino, S.^{393, 247}, Young, S.³⁹³, Crawford, M.⁷⁹, Brown, C.^{470, 247}
- Zr₉Ni₁₁ at Low Temperature**
Stalick, J.²⁴⁷, Waterstrat, R.²⁴⁷
- ZrPt Phase Diagram at High Temperature**
Stalick, J.²⁴⁷, Waterstrat, R.²⁴⁷, Bendersky, L.²⁵³
- ## Polymers
- Additives for Increased Order in Templates for Mesoporous Films**
Vogt, B.²⁵⁵
- Aggregation of Polymers in MALDI Matrices**
Bauer, B.²⁵⁵, Byrd, M.²⁵⁵
- Alternating Copolymer in a Homopolymer Matrix**
Dadmun, M.⁴⁹⁹
- Application of SANS to Semi-Crystalline Polymers Using Vapor Absorption Contrast Variation**
Kim, M.^{470, 247}, Glinka, C.²⁴⁷
- Architectural Effect on Interfacial Segregation in End-Branched Star/Linear Blends**
Foster, M.⁴²⁹, Lee, J.⁴²⁹, Akgun, B.⁴²⁹
- Associating Fluorinated 157 nm Photoresist Polymer Structure**
Prabhu, V.²⁵⁵
- Block Copolymer Aggregation in an Electric Field**
Wang, H.⁷¹³
- Bound Polymer Layers in Nanocomposites**
Godlaski, R.³⁰², Kumar, S.³⁰²
- Chain Conformation in Polyelectrolytes**
Briber, R.⁴⁷⁰, Melnichenko, Y.²⁷⁰, Yun, S.²⁷⁰
- Chain-End Effects on Polymer Diffusion Near a Solid Substrate**
Wang, C.²⁵⁵, Lin, E.²⁵⁵, Satija, S.²⁴⁷
- Collective Dynamics in Concentrated Dendrimer Solutions**
Rathgeber, S.⁹⁷, Rosov, N.²⁴⁷
- Collective Motion of Pure PMMA**
Garcia Sakai, V.²⁸⁷, Maranas, J.²⁸⁷
- Comparative Specular X-ray Reflectivity, Positron Annihilation Lifetime Spectroscopy and Incoherent Neutron Scattering Measurements of the Dynamics of Thin Films**
Soles, C.²⁵⁵, Douglas, J.²⁵⁵, Wu, W.²⁵⁵, Peng, H.⁴⁷⁶, Gidley, D.⁴⁷⁶
- Concentrated Dendrimer Solutions**
Rathgeber, S.⁹⁶, Rosov, N.²⁴⁷
- Conformation of the Grafted PNIPAM Chains at the Silicon/Water Interfaces as a Function of Temperature**
Kent, M.³²⁰, Yim, H.³²⁰, Satija, S.²⁴⁷
- Contrast Match SANS on Low-k Dielectric Films**
Vogt, B.²⁵⁵, Jones, R.²⁵⁵, Wu, W.²⁵⁵
- Contrast Match SANS on Mesoporous Silica and Silicates**
Vogt, B.²⁵⁵, Bauer, B.²⁵⁵
- Core Density of Polymeric Micelles: Molecular Weight Influence**
Sheiko, S.³⁷³, Larue, I.³⁷³, Adam, M.³⁷³
- Critical Adsorption in Polymer Blends**
Wang, H.⁷¹³, Satija, S.²⁴⁷
- Crosslink Density and Uniformity in Bottom Anti-Reflective Coatings**
Jablonski, E.²⁵⁵, Lin, E.²⁵⁵, Satija, S.²⁴⁷
- Diblock Copolymers at a Polymer/Polymer Interface**
Balsara, N.⁴³⁶, Reynolds, B.⁴³⁶, Satija, S.²⁴⁷
- Direct Measurement of the Equilibrium Melting Temperature in Polymer Blends**
Wang, H.⁷¹³
- Dynamics in 157 nm Lithography Photoresists**
Soles, C.²⁵⁵, Ito, H.¹²³, Angelopoulos, M.¹²³, Goldfarb, D.¹²³, Lenhart, J.³²⁰, Jones, R.²⁵⁵, Lin, E.²⁵⁵, Wu, W.²⁵⁵, Prabhu, V.²⁵⁵
- Dynamics in Thin PS-TMPC Films**
Soles, C.²⁵⁵, Green, P.²⁵⁵, Kumar, S.²⁸⁷, Satija, S.²⁴⁷, Besancon, B.⁵⁰¹, Godlaski, R.³⁰²
- Dynamics of a Polymeric Microemulsion**
Balsara, N.⁴³⁶, Ruegg, M.⁴³⁶

- Dynamics of Near Particle Chains in Polymer Nanocomposites**
Godlaski, R.³⁰², Kumar, S.³⁰², Schadler, L.³⁰², Sternstein, S.³⁰², Russell, T.⁴⁷³
- Dynamics of PMMA With Copolymer Coated Nanoparticles**
Kumar, S.³⁰², Godlaski, R.³⁰²
- Dynamics of Poly(Ethylene-Propylene) and Head-to-Head Polypropylene Across the Glass Transition**
Garcia-Sakai, V.²⁸⁷, Maranas, J.²⁸⁷
- Dynamics of Pure PMMA and 20% PEO/80% PMMA**
Garcia Sakai, V.²⁸⁷, Maranas, J.²⁸⁷, Chen, C.²⁸⁷, Chowdhuri, Z.^{470, 247}
- Dynamics of Water in PEO/Ethanol Solutions**
Brown, C.^{470, 247}, Ho, D.^{470, 247}, Kline, S.²⁴⁷, Hammouda, B.²⁴⁷
- Early Stage Compositional Segregation in an Off-Critical Polymer Blend**
Wang, H.⁷¹³, Satija, S.²⁴⁷
- Effect of Copolymer Composition on Photoresist Phase Behavior**
Prabhu, V.²⁵⁵
- Effects of Post-Exposure Bake on the Deprotection Reaction in an ESCAP Photoresist System**
Wang, C.²⁵⁵, Lin, E.²⁵⁵, Satija, S.²⁴⁷
- Effects of the Interfacial Phase in Nano-Glass Filled Dental Composites**
Allen, A.²⁴⁸, Wilson, K.²⁴⁸, Krueger, S.²⁴⁷
- Electrochemical Control Over Order-Disorder Transitions in Organometallic Block Copolymers**
Balsara, N.⁴³⁶, Eitouni, H.⁴³⁶
- Fast Dynamics of PMMA**
Garcia Sakai, V.²⁸⁷, Maranas, J.²⁸⁷
- Fast Dynamics of Polyelectrolytes: Counter-Ion Dependence**
Prabhu, V.²⁵⁵, Amis, E.²⁵⁵, Bossev, D.^{470, 247}, Rosov, N.²⁴⁷
- H/D Labeled Generation 4 Polystyrene Arborescent Graft Polymers**
Briber, R.⁴⁷⁰, Gauthier, M.⁵⁰⁸, Kaichi, Z.⁴⁷⁰, Lin, Z.⁴⁷⁰
- Hydrostatic Pressure Effects on Polystyrene/ Poly(n-pentyl methacrylate) Blends**
Ryu, D.⁴⁷³, Lavery, K.⁴⁷³, Russell, T.⁴⁷³, Kim, J.⁴⁷³
- Influence of Carbon Dioxide on Domain Dimensions in Siloxane Containing Copolymers**
Vogt, B.²⁵⁵, Watkins, J.⁴⁷³, Wang, M.²⁵⁵
- Infusion of Polymer Melts into Nanoimprint Molds**
Jones, R.²⁵⁵, Hu, T.²⁵⁵, Wu, W.²⁵⁵
- Interaction Between Adsorbed Layers in Concentrated Dispersions**
Cosgrove, T.⁴³³, Qiu, D.⁴³³, Dreiss, C.⁴³³
- Interface Structure and Surface Correlation of Diblock Polymer Brushes**
Foster, M.⁴²⁹, Akgun, B.⁴²⁹, Kim, H.⁴²⁹, Lee, J.⁴²⁹
- Intermediate Length Scale Dynamics in Polyisoprene: The Johary-Goldstein Process**
Ohl, M.⁹⁷, Buchenau, U.⁹⁷, Richter, D.⁹⁷, Arbe, A.⁴⁰³, Colmenero, J.⁴⁰³
- Investigation of the Partial Structure Factor of 1,4 Polybutadiene**
Kahle, S.⁹⁶, Monkenbusch, M.⁹⁶, Richter, D.⁹⁶
- Ion Condensation in Neutralized DNA Gels**
Horkay, F.²²⁷, Geissler, E.⁴⁵⁷, Bassler, P.²²⁷
- Magnetic Scattering Iron Oxide Nanoclusters Within Block Copolymers**
Kofinas, P.⁴⁷⁰, Akcora, P.⁴⁷⁰, Briber, R.⁴⁷⁰, Rhyne, J.⁴⁷⁸
- Melt Blended Polymer-Clay Nanocomposites**
King, H.⁸⁷, Herhold, A.⁸⁷, Lin, M.^{87, 247}
- Elastic Modulus of Ultra-Thin Films**
Hu, T.²⁵⁵, Jones, R.²⁵⁵, Soles, C.²⁵⁵
- Morphology of Biphenyl Sulfone Ionomers**
Landis, F.²⁵⁵, Lin-Gibson, S.²⁵⁵
- Nafion Membrane Structure**
Kim, M.^{470, 247}, Glinka, C.²⁴⁷
- Nanoscale Counterion Dynamics**
Prabhu, V.²⁵⁵
- Neutron Reflectivity of Baroplastic Block Copolymer Films**
Mayes, A.¹⁹⁷, Gonzalez, J.¹⁹⁷, Satija, S.²⁴⁷
- Neutron Reflectometry Study of Plasma-Polymerized Multilayers**
Foster, M.⁴²⁹, Kim, H.⁴²⁹, Akgun, B.⁴²⁹
- Novel Architecture Porogen Materials for Nanoporous Materials**
Briber, R.⁴⁷⁰, Miller, R.¹²³, Kim, H.¹²³, Feng, H.⁴⁷⁰, Lin, Z.⁴⁷⁰
- NSE Studies on the Effect of Blending on PMMA Dynamics**
Garcia Sakai, V.²⁸⁷, Maranas, J.²⁸⁷
- Nucleation in Polymer Blends**
Balsara, N.⁴³⁶, Rappl, T.⁴³⁶
- Organizing Immiscible Polymers With a Balanced Surfactant**
Balsara, N.⁴³⁶, Ruegg, M.⁴³⁶
- Phase Separation and Pores Formation Kinetics During Crosslinking of Polymer Thermoset Blends**
Vayer, M.⁸⁴², Boyard, N.⁸⁴², Sinturel, C.⁸⁴²
- PIB Blends**
Balsara, N.⁴³⁶, Lohse, D.⁸⁷
- Polyethylene/Polypropylene Polymer Blend**
Hammouda, B.²⁴⁷
- Polymer Blends**
Lin, M.^{87, 247}, Chapman, B.⁸⁷
- Polymer Dynamics Within the Pores of Sol-Gel Derived Silica Frameworks**
Pivovar, A.²⁴⁷, Takata, S.²⁴⁷, Paoletti, M.²⁴⁷
- Polymer Membranes**
Lin, M.^{87, 247}, Peiffer, D.⁸⁷
- Polymer/Montmorillonite Nanocomposites**
Glinka, C.²⁴⁷, Ho, D.^{470, 247}, Gilman, J.⁷⁶³
- Polymer-Paraffin Mixture Characterization for Paraffin Crystallization Control**
Ahn, S.⁴⁴
- PP Blends**
Chapman, B.⁸⁷, Lohse, D.⁸⁷
- Profile Transition of Reaction-Diffusion Path**
Hu, T.²⁵⁵, Jones, R.²⁵⁵
- Properties of Nanotubes Made of Poly(Styrene Maleic Anhydride) Filled With Various Alkanes and Aromatic Compounds**
van de Ven, T.¹⁹⁹, Malardier-Jugroot, C.¹⁹⁹, Cosgrove, T.⁴³³
- SANS From Lithographically Patterned Polymer Thin Films**
Wu, W.²⁵⁵, Lin, E.²⁵⁵, Jones, R.²⁵⁵
- SANS From Polyelectrolytes in Various Solvents**
Hammouda, B.²⁴⁷, Horkay, F.²²⁷
- SANS Investigation of Phase-Separated Hydrogels From Synchrotron-Radiation-Induced Polymerization**
Tirumala, V.²⁴, Guo, L.⁶⁰³, Mancini, D.²⁴, Pappannan, T.⁶⁰³, Caneba, G.⁷¹³, Barker, J.²⁴⁷
- SANS Investigation of Starch Gelatinization in the Presence of Plasticisers**
Schulz, J.²⁹, Sopade, P.³⁷⁶
- SANS Study of Low-K Porous Thin Films Prepared With Nanopropping Porogen**
Choi, S.⁶¹⁶, Char, K.³²², Lee, J.⁶¹⁶, Kim, S.³²²
- SANS Study of Photoacid Generated Structure in Polymer Thin Films**
Lin, E.²⁵⁵, Jones, R.²⁵⁵, Prabhu, V.²⁵⁵
- Segmental Mobility in Clusters of Aggregated Cellulose-Derivative Chains**
Rathgeber, S.⁹⁷, Rosov, N.²⁴⁷
- Self-Assembly of a Natural Polyelectrolyte in Salt Solutions**
Horkay, F.²²⁷, Geissler, E.⁴⁵⁷, Bassler, P.²²⁷
- Self-Motion of Poly(Ethylene-Propylene) and Poly(Ethylene-Butylene)**
Maranas, J.²⁸⁷, Garcia Sakai, V.²⁸⁷, Liu, J.²⁸⁷, Chowdhuri, Z.^{470, 247}, Peral, I.^{470, 247}
- Silsesquioxane Nanoparticles and Their Interactions With PDMS Melts**
Cosgrove, T.⁴³³, Dreiss, C.⁴³³
- Spherulites in Semicrystalline Polymer**
Kim, M.²⁴⁷, Glinka, C.²⁴⁷
- Structural Arrest Transitions in Dendrimers**
Chen, S.¹⁹⁷, Liu, Y.¹⁹⁷, Mallamace, F.⁷¹²
- Structure of Ion-Substituted Nafion**
Trevino, S.^{393, 247}, Young, S.³⁹³
- Structure of Plasma-Polymerized Multilayers**
Foster, M.⁴²⁹, Kim, H.⁴²⁹, Akgun, B.⁴²⁹
- Structure of Polymeric Microemulsions**
Balsara, N.⁴³⁶, Ruegg, M.⁴³⁶
- Suppression of the Dewetting Transition in Polymer Films by Nanoparticles Star Molecules**
Feng, H.⁴⁷⁰, Briber, R.⁴⁷⁰, Kim, H.¹²³
- The Conformation of a Liquid Crystalline Polymer in an Amorphous Polymer Matrix Using Small Angle Neutron Scattering**
Dadmun, M.⁴⁹⁹, Shradhha, D.⁴⁹⁹
- The Dynamics of an Alternating Copolymer in a Homopolymer Matrix**
Dadmun, M.⁴⁹⁹
- The Structure of Diblock Copolymers for Ophthalmic Applications**
Knott, R.²⁹, Davis, T.³⁷², Saricilar, S.³⁷², Barner-Kowollik, C.³⁷²
- Towards a Detailed Molecular Description of a Polymer Melt Dynamics**
Zanotti, J.^{24, 177}, Smith, L.²⁴, Price, D.²⁴, Saboungi, M.²⁴
- USANS Measurement of Cluster Structures in Polymer Blends With Both Phase Separation and Crystallization**
Wang, H.⁷¹³

Complex Fluids

Absorption Correction From Asymmetric Couette Cell Tangential Scattering Pattern

Porcar, L.^{470,247}, Hamilton, W.²⁷⁰, Butler, P.²⁴⁷

Adsorption of Luvitex VA₆₄ in the Presence of Sodium Dodecyl Sulfate

Chari, K.⁸², Satija, S.²⁴⁷

Adsorption-Induced Structure and Forces Within Binary Liquid Films

Law, B.⁵⁸⁰, Uran, S.⁵⁸⁰, Brown, M.⁵⁸⁰, Hamilton, W.²⁷⁰, Satija, S.²⁴⁷

Aggregation in High Internal Phase Emulsions

Reynolds, P.⁸⁴¹, Jackson, A.⁸⁴¹, Baranyai, K.⁸⁴¹, Zank, J.⁸⁴¹, White, J.⁸⁴¹, Henderson, M.⁸⁴¹

Bicontinuous Microemulsion Under Shear Flow

Butler, P.²⁴⁷, Hamilton, W.²⁷⁰, Porcar, L.^{470,247}, Warr, G.³⁷⁹

Block Copolymer Mesophases as Three-Dimensional Templates for Inorganic-Organic Nanocomposites

Walker, L.⁴⁸, Pozzo, D.⁴⁸, Gerber, M.⁴⁸

Characterization of Peptide Nucleic Acid (PNA) Mixed Micelles for Electrokinetic DNA Separations

Walker, L.⁴⁸, Schneider, J.⁴⁸, Grosser, S.⁴⁸, Lau, C.⁴⁸

Collapse of a Sheared Membrane Phase

Porcar, L.^{470,247}, Butler, P.²⁴⁷, Hamilton, W.²⁷⁰, Warr, G.⁷²³

Comparative Study of Dynamic Modes in End-Modified Polymers

Lal, J.⁶⁰³, Hakem, I.⁶⁰³, Hu, X.⁶⁰³

Compounds in Fabric Softeners

Wang, C.⁷⁰⁸, Pluyter, J.⁷⁰⁸, Kline, S.²⁴⁷

Concentrated Colloidal Suspensions Under Shear

Wagner, N.⁴⁵³, Lee, Y.⁴⁵³, Elliott, S.²⁴⁵, Butera, R.⁸¹

Contrast Matching of Pigment Dispersants

Nakatani, A.³⁰⁹

Counterion Adsorption and Distribution on Charged Silica Nanoparticle Surfaces

Wang, W.²⁷⁰, Hamilton, W.²⁷⁰, Butler, P.²⁴⁷, Porcar, L.^{470,247}, Liang, L.²⁷⁰, Gu, B.²⁷⁰

Counterion Distribution in Colloidal Electrical Double Layer

Beattie, J.³⁷⁹, Warr, G.³⁷⁹

Development of Inelastic SANS Ideas

Porcar, L.^{470,247}, Hamilton, W.²⁷⁰, Butler, P.²⁴⁷, Greenwald, B.^{470,247}

Development of Rheo-SANS

Porcar, L.^{470,247}, Greenwald, B.^{470,247}, Wagner, N.⁴⁵³

Diffusive Dynamics of Nanoparticles Templated With Soft Colloidal Crystals

Walker, L.⁴⁸, Pozzo, D.⁴⁸, Bossev, D.^{470,247}, Porcar, L.^{470,247}

Droplet Size in Concentrated Emulsions

Beattie, J.⁷²³, Warr, G.⁷²³

Dynamics of Associating Polymer Networks

Perahia, D.⁶¹, He, L.⁶¹, Wnek, G.⁵¹⁶

Dynamics of Fragile Phases: Solvent Effects

Perahia, D.⁶¹, Jiang, Y.⁶¹

Effects of Molecular Architecture of Rigid Polymers on the Structure of Fragile Phase

Perahia, D.⁶¹, Jiang, Y.⁶¹

Emulsion Characterization for Paraffin Crystallization Control

Ahn, S.⁴⁴

Energetics of Membrane Fusion

Porcar, L.^{470,247}, Butler, P.²⁴⁷, Hamilton, W.²⁷⁰, Warr, G.⁷²³

Evolution of Particle Structure in Aluminum Isopropoxide/Phosphate Ester Surfactant Organogels

Warr, G.³⁷⁹, Page, M.³⁷⁹

Grain Structure of Soft Micellar Crystals

Kloxin, C.²⁶², van Zanten, J.²⁶², Tanner, S.²⁶²

Hydration of a Hydrophilic Surface Using Water and Deuterium Oxide Solvents

Stalgren, J.³³², Toney, M.³³², Satija, S.²⁴⁷

Hydrogen Content in Aqueous and Organo Solvents

Lin, M.^{87,247}, Mason, T.⁷⁸⁶

In-Plane Structure of the Lamellar Phase in Lipid Mixtures

Perez-Salas, U.^{438,247}, Krueger, S.²⁴⁷, Rodriguez, V.^{401,247}, Porcar, L.^{470,247}

Interaction of Charged and Nonionic Surfactants With Block Polyelectrolytes

Bhatia, S.⁴⁷³, Crichton, M.⁴⁷³

Interaction-Dependent Diffusion of Polymerized Rodlike Micelles

Kline, S.²⁴⁷

Interactions of Magnetic Nano Particles in Ferrofluids

Bossev, D.^{470,247}, Glinka, C.²⁴⁷

Interfacial Structure of Surfactant-Free Oil-in-Water Emulsion Droplets

Alexandridis, P.⁴³⁴, Sakai, T.⁴³⁴, Grandin, H.⁴³⁴

Investigation of the Relationship Between Membrane and Micellar Flexibility

Magid, L.⁴⁹⁹, Butler, P.²⁴⁷, Bossev, D.^{470,711}, Chen, W.⁴⁹⁹

Kinetic Glass Transition of a Copolymer Micellar System With Attractive Interactions

Chen, S.¹⁹⁷, Chen, W.¹⁹⁷, Fratini, E.¹⁹⁷, Baglioni, P.¹⁹⁷

Length of Rod-Like Shear-Aligned Micelles

Glinka, C.²⁴⁷, Barker, J.²⁴⁷, Butler, P.²⁴⁷

Local Dynamics in Pluronic-Based Micellar Gels

Leheny, R.¹⁶³, Harden, J.¹⁶³, Yardimci, H.¹⁶³

Local Dynamics in Pluronic-Based Soft Solids

Harden, J.¹⁶³, Chung, B.¹⁶³, Yardimci, H.¹⁶³, Leheny, R.¹⁶³

Local Structure in Self-Assembled Block Copolypeptides: Hydrogel, Vesicle and Micelle Structure

Pochan, D.⁴⁵³, Pakstis, L.⁴⁵³, Orbas, B.⁴⁵³, Korkorian, V.⁴⁵³, Hales, K.⁴⁵³, Lamm, M.⁴⁵³

Lube Additives

Lin, M.^{87,247}, Farnig, O.⁸⁷, Gordon, P.⁸⁷

Lube Additives and Soot

Lin, M.²⁴⁷, Farnig, O.⁸⁷, Gao, J.⁸⁷

Measurement of Thermal Undulation on Bilayered Lamellae

Nieh, M.⁷⁴², Bossev, D.^{470,247}

Micelle Structure in a Molten Salt

Warr, G.³⁷⁹, Araos, M.³⁷⁹

Microstructure and Mechanics of Dense Colloidal Gels

Ramakrishnan, S.⁴⁶⁰, Gopalakrishnan, V.⁴⁶⁰, Zukoski, C.⁴⁶⁰

Microstructure Characterization of Self-Assembled Hydrogels

Pochan, D.⁴⁵³, Pakstis, L.⁴⁵³, Ozbas, B.⁴⁵³, Krikorian-Savarani, V.⁴⁵³

Microstructure of Self-Assembled Micellar Fluids

Raghavan, S.⁴⁷⁰, Kalur, G.⁴⁷⁰, Lee, J.⁴⁷⁰, Davies, T.⁴⁷⁰

Modified Clay in Solution

Lin, M.^{87,247}, King, H.⁸⁷

Modulation of Surfactant-Polymer Association in Aqueous Solutions by Means of Polar Organic Solvents

Alexandridis, P.⁴³⁴, Gu, Z.⁴³⁴, Chain, K.⁴³⁴, Yong, K.⁴³⁴

MS₂ Particles as Standards for Malignant Melanoma Assays

Kuzmanovic, D.⁷⁹⁷, Wick, C.⁸⁸⁶, O'Connell, C.²⁴⁵, Krueger, S.²⁴⁷

Novel Self-Assembled Colloids From Block Copolymers and Multivalent Counterions

Berret, J.⁵⁵, Sehgal, A.⁶⁸, Schweins, R.⁶⁹⁰

Observation of Salt-Induced Structural Arrest Transition in Densified Cytochrome C Solutions

Chen, S.¹⁹⁷, Chen, W.¹⁹⁷, Liu, Y.¹⁹⁷, Baglioni, P.⁶¹⁴, Fratini, E.⁶¹⁴

On the Fine Structure of PEGylated Lipid Membranes

Klosgen, B.⁷⁹⁸, Cohen, J.⁷⁹⁸

Polyethylene Oxide Clusters in Alcohol

Ho, D.^{470,247}

Probing the Structure of Photoresponsive Surfactants Adsorbed Layers at the Air-Water Interface

Hatton, T.¹⁹⁷, Shang, T.¹⁹⁷, Smith, K.¹⁹⁷, Zhang, H.¹⁹⁷, Satija, S.²⁴⁷

Probing the Structure of Polymer Stabilized Phospholipid Vesicles

Krishnamoorti, R.⁴⁵⁹, Strauch, J.⁴⁵⁹, Yurekli, K.⁴⁵⁹

Probing the Structure of Vesicle-Biopolymer Mixtures

Briber, R.⁴⁷⁰, Raghavan, S.⁴⁷⁰, Cipriano, B.⁴⁷⁰, Davies, T.⁴⁷⁰, Feng, H.⁴⁷⁰, Lin, Z.⁴⁷⁰

Reactions in a Multi-Component Gel System

Bose, A.⁴⁹¹, Vijay, J.³⁹¹, Agarwal, V.⁴⁹¹, Singh, M.³⁹¹

Relationship Between Membrane and Micellar Flexibility

Magid, L.⁴⁹⁹, Veith, B.⁴⁹⁹, Butler, P.²⁴⁷

SANS From Microemulsions and Other Complex Fluids

Kaler, E.⁴⁵³, Baser, B.⁴⁵³, Raghavan, N.⁴⁵³, Silas, J.⁴⁵³

SANS of a Tunable, Light-Sensitive Surfactant System That Forms Vesicles

Hubbard, P.⁵⁰⁹, Kaler, E.⁴⁵³

SANS Studies of Nanoemulsions

Mason, T.⁷⁸⁶, Hernandez, C.⁷⁸⁶, Meleson, K.⁷⁸⁶, Lin, M.^{87,247}

SANS Study of Dense Ionic Protein Solutions

Chen, S.¹⁹⁷, Chen, W.¹⁹⁷, Glinka, C.²⁴⁷, Baglioni, P.⁶¹⁴, Fratini, E.¹⁹⁷

SANS Study to Measure the Effect of Added Butanol Cosurfactants on Attractive Interactions and Droplet Structure in an L2-Phase

Kotlarchyk, M.³⁰⁸, Thurston, G.³⁰⁸

Self-Assembling Properties of Amphiphilic Macro surfactants With Annealed Polyelectrolyte Corona: Comparison of Linear and Star Polymers

Theodoly, O.⁸¹¹, Jacquin, M.⁸¹¹, Mouchid, A.⁸¹¹, Muller, P.⁸¹¹

Shape Fluctuations and Surfactant Dynamics in n-alkyl beta-D-glucosides

Trouw, F.¹⁸⁹

Shape Fluctuations of Microemulsion Droplets: Effect of Pressure

Bossev, D.^{470, 247}, Paulaitis, M.¹⁶³, Rosov, N.²⁴⁷

Shear-Induced Conformational Changes and Aggregation of Von Willebrand Factor

Neelamegham, S.⁴³⁴, Alexandridis, P.⁴³⁴, Gu, Z.⁴³⁴, Shankaran, H.⁴³⁴

Shear-Induced Structural Transitions in Solutions of Anisotropic, Charged Nanoparticles

Walker, L.⁴⁸, Pozzo, D.⁴⁸

Silica-Surfactant Gel Composites

Kline, S.²⁴⁷

Single-Particle Dynamics in Laponite During Gelation

Leheny, R.¹⁶³, Yardimci, H.¹⁶³, Harden, J.¹⁶³, Semmoms, D.¹⁶³

Small Angle Neutron Scattering of Nonaqueous Reverse Micelles

Wallen, S.³⁷³, Levinger, N.⁶³, Dawson, E.³⁷³, Fu, J.³⁷³

Structure and Phase Behavior in Pluronic Systems

Yardimci, H.¹⁶³, Leheny, R.¹⁶³, Harden, J.¹⁶³

Structure of Liquid Crystalline Phases Formed by Surfactant Solutions

Kumar, S.¹⁶⁶, Joshi, L.¹⁶⁶, Kang, S.¹⁶⁶

Structure of pH Dependent Polymeric Micelles

Schulz, J.²⁹, Gee, M.⁴⁷⁵, McLean, S.⁴⁷⁵

Structure of Polymerized Micelles

Kline, S.²⁴⁷, Young, D.²⁹⁶

Studies of Magnetic Inks Under Shear

Mankey, G.³⁶⁸, Krishnamurthy, V.³⁶⁸, Zoto, I.³⁶⁸, Piao, M.³⁶⁸, Vemuru, K.³⁶⁸, Wiest, J.³⁶⁸, He, B.³⁶⁸, Lane, A.³⁶⁸

Study of Phospholipid Vesicles: An Ideal Drug Delivery System

Nieh, M.⁵⁷, Huang, M.⁷⁰⁷, Yue, B.⁷⁰⁷, Glinka, C.²⁴⁷

Surfactant Stabilization of Carbon Nanotubes

Kline, S.²⁴⁷, Choi, S.⁶¹⁶, Lee, J.⁶¹⁶

Synthetic Oil Compatibility

Lin, M.^{87, 247}, Drake, E.⁸⁷

The Dynamics of Aggregates of Poly(p-phenyleneethylene)s

Perahia, D.⁶¹, Jiang, Y.⁶¹, Rosov, N.²⁴⁷

USANS Study on Macrophase Separation of NIPA-FOSA Gels

Weiss, R.⁴⁴⁹, Tian, J.⁴⁴⁹

Wax Crystallization in Oil Mixtures

Lin, M.^{87, 247}, Sanchez, G.⁸⁷, Gordon, P.⁸⁷

Condensed Matter Physics

(NaMn³⁺)₂(Mn³⁺₂MN⁴⁺)₁₂: A Doping Free Model Manganite for Charge, Orbital, and Spin Ordering

Prodi, A.⁷³⁸, Gilioli, E.⁷³⁸, Gauzzi, A.⁷³⁸, Licci, F.⁷³⁸, Marezio, M.⁷³⁸, Bolzoni, F.⁷³⁸, Huang, Q.²⁴⁷, Santoro, A.²⁴⁷, Lynn, J.²⁴⁷

A Close Look at Fincher-Burke Modes of Cr

Park, S.⁴⁷⁰, Lee, S.²⁴⁷, Hiraka, H.³⁸⁵, Shirane, G.⁴²

Anomalous Magnetic Behavior in CoCrFeO₄

Zhang, Z.¹⁰⁵, Vestal, C.¹⁰⁵

Anomalous Phonon Behavior in TiPd-Cr Alloys

Shapiro, S.⁴², Winn, B.⁴², Xu, G.⁴²

Antiferrodistortive Nanodomains in the Relaxor PMN

Tkachuk, A.⁸⁵⁷, Chen, H.³⁵⁶, Gehring, P.²⁴⁷

Antiferromagnetic Order Parameter in Fe/NiF₂ Films

Lederman, D.⁵²⁹, Shi, H.⁵²⁹, O'Donovan, K.^{438, 247}, Borchers, J.²⁴⁷

Antiferromagnetic Polaron Correlations in Nd_{0.6}Sr_{1.4}MnO₄

Campbell, B.²⁴, Osborn, R.²⁴, Mitchell, J.²⁴, Badica, E.²⁴, Rosenkranz, S.²⁴, Lynn, J.²⁴⁷

Antiferromagnetic Structure Determination in MnN Thin Films

Smith, A.²⁷⁶, Cappelletti, R.²⁴⁷, Borchers, J.²⁴⁷, O'Donovan, K.^{438, 247}, Yang, H.²⁷⁶, Yang, R.²⁷⁶, Constantin, C.²⁷⁶, Trifan, E.²⁷⁶, Ingram, D.²⁷⁶, Chen-Mayer, H.²⁵⁰, Lamaze, G.²⁴⁴

Antiferromagnetism in Mg, Ni, Co Doped (Sr,Ba)₂Cu₃O₄Cl₂

Clegg, P.⁵⁰², Ramazanoglu, M.⁵⁰², Wakimoto, S.⁵⁰², Birgeneau, R.⁵⁰²

Characterization of the Ferrimagnetic Barrier Layer in a Magnetite/Manganite Tunnel Junction

Arena, D.²³⁵, Suzuki, Y.⁴³⁶, Idzerda, Y.²¹¹, Borchers, J.²⁴⁷, O'Donovan, K.^{438, 247}

Characterization of Twists and Spirals in Oxide-Based Exchange-Spring Magnets and Related Systems

O'Donovan, K.^{438, 247}, Borchers, J.²⁴⁷, Majkrzak, C.²⁴⁷, Maat, S.⁷²⁷, Olsson, S.⁵¹¹

Charge and Spin Order in Doped Layered Cobaltate La_{1.25}Sr_{0.75}CoO₄

Zaliznyak, I.⁴²

Charge Correlations in La_{0.7}Ca_{0.3}MnO₃

Lynn, J.²⁴⁷, Mukovskii, Y.²¹³, Arsenov, A.²¹³, Shulyatev, D.²¹³, Argyriou, D.¹⁰⁹, Yang, R.²⁴

Charge Density Waves in La₂CuO_{4+y}

Khaykovich, B.¹⁹⁷, Wakimoto, S.⁵⁰², Birgeneau, R.⁵⁰², Tranquada, J.⁴², Kastner, M.¹⁹⁷

Charge Order in La_{1.95}Sr_{0.05}CuO₄

Wakimoto, S.⁵⁰², Shirane, G.⁴², Gehring, P.²⁴⁷

Clamping Mechanism and Magnetic Structure of Europium Thin Films

Mangin, P.^{747, 247}, Soriano, S.⁷⁴⁷, Dufour, C.⁷⁴⁷, Dumesnil, K.⁷⁴⁷, Borchers, J.²⁴⁷

Clustering in Magnetic Bulk Metallic Glasses

Robinson, R.²⁹, Gilbert, E.²⁹, Yu, D.²⁹, Woodward, R.⁷¹⁸, Greig, D.⁷¹⁹

Co_xZn_{1-x}F₂ in a Combined Longitudinal and Transverse Magnetic Field

Clegg, P.⁵⁰², Ramazanoglu, M.⁵⁰², Birgeneau, R.⁵⁰²

Correlating Reacted Layer Thickness With Magnetic Layer Thickness

Park, S.¹⁸⁸, Fitzsimmons, M.¹⁸⁸, Palmstrom, C.⁴⁷⁷, Schultz, B.⁴⁷⁷

Crystal and Magnetic Ordering in the Kagome Staircase Systems Co₃V₂O₈ and Ni₃V₂O₈

Woodward, F.²⁴⁷, Huang, Q.²⁴⁷, Cava, R.²⁹⁴, Rogado, N.²⁹⁴, Lynn, J.²⁴⁷, Kenzelmann, M.^{163, 247}, Broholm, C.^{163, 247}

Crystal and Magnetic Structure Investigation of the Ca₃Mn₂O₇ Ruddlesden-Popper Manganite

Lobanov, M.³¹⁵, Greenblatt, M.³¹⁵, Toby, B.²⁴⁷

Crystal and Magnetic Structure Investigation of the Sr₂MnReO₆ Double-Perovskite

Greenblatt, M.³¹⁵, Popov, G.³¹⁵, Croft, M.³¹⁵

Crystal and Magnetic Structure of MnBr₂(pyrazine)

Manson, J.²⁷⁰, Huang, Q.²⁴⁷

Crystal Field Excitations and Structure in the New Heavy Fermion Superconductor PrOs₄Sb₁₂

Woodward, F.²⁴⁷, Lynn, J.²⁴⁷, Bauer, E.⁴⁴⁰, Frederick, N.⁴⁴⁰

Maple, M.B.⁴⁴⁰, Osborn, R.²⁴

Crystal Structure and Magnetic Ordering in Ba₂ (or Sr₂) RESbO₆ Double Perovskites (RE=Ho & Dy)

Huang, Q.²⁴⁷, Cava, R.²⁹⁴, Lynn, J.²⁴⁷

Crystal Structure and Magnetic Properties of RECo₂ (RE = Nd and Tb) and Pr₂Ge_{4-x}Si_x

Huang, Q.²⁴⁷, Lynn, J.²⁴⁷, Rao, G.⁶⁴¹

Crystal Structure and Magnetic Properties of the Double Perovskite Sr₂MnReO₆

Popov, G.³¹⁵, Lynn, J.²⁴⁷, Lobanov, M.³¹⁵, Tsiper, E.³¹⁵, Greenblatt, M.³¹⁵, Caspi, E.²⁴

Crystal Structure of Annealed Bi-Metallic Glasses

Trevino, S.^{393, 247}, Kecskes, L.³⁹³, Woodman, R.³⁹³

Crystal Structure of Double-Perovskite Sr₂Fe_{1-x}V_xMoO₆

Huang, Q.²⁴⁷, Rao, G.⁶⁴¹

Crystal Structure, Lattice Dynamics and Search for Magnetic Order in Na_{0.3}CoO₂:D₂O Superconductor

Huang, Q.²⁴⁷, Cava, R.²⁹⁴, Lynn, J.²⁴⁷, Brown, C.^{470, 247}, Miller, V.²⁹⁴

Crystal Structures and Magnetic Properties of Sr₂REO₄ (RE=Dy, Ho, Er, Yb, and Tm)

Huang, Q.²⁴⁷, Cava, R.²⁹⁴

Density of States in Isotope Substituted La_{5/8}Ca_{3/8}MnO₃

Adams, C.³¹⁸, Lynn, J.²⁴⁷, Cheong, S.¹⁹³, Ratcliff II, W.²⁴⁷

Determination of Structures and Phase Transitions in Ag⁺ Exchanged Ruddlesden-Popper Related Phases

Woodward, P.²⁷⁵, Bhuvanesh, N.²⁷⁵

Determination of the Magnetic Structure of the Neel Phase of GeCo₂O₄

Lee, S.²⁴⁷, Sato, T.²²², Park, S.⁴⁷⁰

Development of Magnetic Order in Zr_{1-x}Nb_xZn₂

Sokolov, D.⁴⁷⁶, Aronson, M.⁴⁷⁶, Lynn, J.²⁴⁷

Diffraction From Nafion Swollen With Various Solvents

Trevino, S.^{393, 247}, Young, S.³⁹³

Diffuse Scattering Studies of Relaxor Ferroelectrics

Gehring, P.²⁴⁷, Xu, G.⁴², Shirane, G.⁴², Copley, J.²⁴⁷

Dimer Liquid and Magnetic Phase Transitions in LiCu₂O₂

Zheludev, A.²⁷⁰, Masuda, T.²⁷⁰

- Dispersion of Spin-Waves in RbFe(MoO₄)₂**
Kenzelmann, M.^{163, 247}, Broholm, C.^{163, 247}, Gasparovic, G.¹⁶³
- d-Wave or Not? A Study of Three High-T_c Cuprates**
Yethiraj, M.²⁷⁰, Christen, D.²⁷⁰, Paul, D.⁶⁹¹, Crowe, S.⁶⁹¹, Dewhurst, C.⁶⁹⁰
- Dynamic Heterogeneity in Supercooled Liquids**
Leheny, R.¹⁶³, Yardimci, H.¹⁶³
- Dynamic Scaling in a Random-Exchange 1D Quantum Antiferromagnet**
Zheludev, A.²⁷⁰, Masuda, T.⁶⁷⁶
- Dynamics in Lead Silicate Melts**
Kargl, F.⁶⁵⁰, Meyer, A.⁶⁵⁰
- Dynamics of Polaronic Correlations in the Orthorhombic and Rhombohedral Phases of Manganite Perovskites**
Kiryukhin, V.³¹⁵, Cheong, S.³¹⁵, Lynn, J.²⁴⁷
- Effect of Magnetic Field on the SDW Order in Underdoped LSCO**
Khaykovich, B.¹⁹⁷, Wakimoto, S.⁵⁰², Birgeneau, R.⁵⁰², Tranquada, J.⁴², Kastner, M.¹⁹⁷
- Effect of Random Inter-Chain Interactions in BaCu₂(Si_{1-x}Ge_x)₂O₇ (x=0.5)**
Zheludev, A.²⁷⁰, Masuda, T.²⁷⁰, Uchinokura, K.²⁷⁰
- Effects of Cr-Doping on the Magnetic Order in Bi-Based CMR Compound**
Li, W.²¹⁸, Yang, C.²¹⁸, Tsao, F.²¹⁸, Lynn, J.²⁴⁷
- Elastic Diffuse Scattering From Static Displacements in SiGe**
Rodriguez, J.⁴⁵⁹, Moss, S.⁴⁵⁹, Robertson, J.²⁷⁰, Copley, J.²⁴⁷, Neumann, D.²⁴⁷, Bugaev, V.⁷⁵⁸, Dosch, H.⁷⁵⁸
- Elastic Scattering of CaYCuO**
Kargl, V.⁶⁵⁰, Mirmelstein, A.⁶⁵⁰
- Electric Field Effects on the Neutron Diffuse Scattering Measured in the Relaxor PZN-8%PT**
Gehring, P.²⁴⁷, Ohwada, K.⁸⁵⁶, Shirane, G.⁴²
- Energy Levels of the Giant {Mo₇₂Fe₃₀} Magnetic Molecule**
Garlea, O.^{588, 154}, Nagler, S.²⁷⁰, Zarestky, J.^{588, 154}, Vaknin, D.^{588, 154}, Stassis, C.^{588, 154}
- Evolution of Spin Fluctuations From Insulating ZnV₂O₄ to Heavy Fermion LiV₂O₄**
Park, S.⁴⁷⁰, Lee, S.²⁴⁷, Ueda, Y.⁶⁷⁶
- Excitation Spectrum of Ca₂Y₂Cu₅O₁₀**
Kargl, V.⁶⁵⁰, Mirmelstein, A.⁶⁵⁰
- Excitation Spectrum of CDC in a Magnetic Field**
Kenzelmann, M.^{163, 247}, Broholm, C.^{163, 247}
- Excitations in the Mixed Quantum-Classical Spin System Cu₂Fe₂Ge₄O₁₃**
Zheludev, A.²⁷⁰, Masuda, T.²⁷⁰
- Ferromagnetic Droplet Formation in Y Doped CaMnO₃**
Lynn, J.²⁴⁷, Aliaga, H.⁹², Ventura, C.⁶⁶, Granado, E.⁷¹⁷
- Ferromagnetic Order in CePdSb**
Aronson, M.⁴⁷⁶, Sokolov, D.⁴⁷⁶, Lynn, J.²⁴⁷
- Ferromagnetic Spin Waves in CrO₂**
Broholm, C.^{163, 247}, van Duijn, J.¹⁶³
- Ferromagnetism in the Electron-Doped Manganite La_{1-x}Ca_xMnO₃**
Ling, C.¹⁸⁸, Neumeier, J.⁹¹, Granado, E.⁴⁷⁰, Lynn, J.²⁴⁷, Argyriou, D.²⁴, Lee, P.²⁴
- Field and Temperature Dependence of Low Energy Spin Excitations in the Frustrated Pyrochlore Tb₂Ti₂O₇**
Gaulin, B.²⁰⁰, Lewis, M.²⁰⁰, Gardner, J.^{42, 247}
- Field Dependence of the Anisotropic Kondo Effect in Ce_{0.8}La_{0.2}Al₃**
Osborn, R.²⁴, Goremychkin, E.²⁴, Qiu, Y.^{470, 247}
- Field Dependence of the Low T Magnetic Order in Pr_{0.7}Ca_{0.3}MnO₃**
Woodward, F.²⁴⁷, Lynn, J.²⁴⁷, Schiffer, P.²⁸⁷, Mitchell, J.²⁴
- Field-Dependent Magnetic Structures in Mn(dca)₂(pyz) {dca=dicyanamide; pyz = pyrazine}**
Manson, J.²⁷⁰, Qiu, Y.^{470, 247}, Huang, Q.²⁴⁷, Gardner, J.^{42, 247}
- Flux Lattice Dynamics in Nb**
Ling, X.⁴³, Lynn, J.²⁴⁷, Park, S.³³⁷, McClain, B.⁴³
- Frozen and Uncompensated Spins-Origin of Anomalous Exchange Bias**
Fitzsimmons, M.¹⁸⁸, Park, S.¹⁸⁸, Schuller, I.⁴⁴⁰, Sinha, S.⁴⁴⁰, Sujoy, R.⁴⁴⁰
- Heavy Fermion QCP**
Gardner, J.^{42, 247}, Christianson, A.¹⁸⁸, Jon, L.⁴³⁸
- Helimagnetism and Spin Waves in Ba₂MnGe₂O₇**
Zheludev, A.²⁷⁰, Masuda, T.²⁷⁰
- Heterogeneous Dynamics in Supercooled Liquids**
Yardimci, H.¹⁶³, Leheny, R.¹⁶³
- High Q-Resolution Neutron Study of the PMN_xPT Phase Diagram**
Gehring, P.²⁴⁷, Viehland, D.⁵¹⁸, Xu, G.⁴², Shirane, G.⁴², Bai, F.⁴²
- Identifying the Origin of 2-Phase Magnetic Anisotropy in (Ga,Mn)As**
Fitzsimmons, M.¹⁸⁸, Park, S.¹⁸⁸, Molenkamp, L.⁷⁹⁹, Gould, C.⁷⁹⁹
- Incommensurability in the Ferromagnetic Phase of CoS_{1.9}Se_{0.1}**
Sato, T.²²², Lynn, J.²⁴⁷, Cheong, S.³¹⁵
- Incommensurate Magnetic Structure of CeRhIn₅ and Related Materials**
Bao, W.¹⁸⁸, Pagliuso, J.¹⁸⁸, Sarrao, J.¹⁸⁸, Thompson, A.²⁵⁰, Fisk, Z.¹⁸⁸, Llobet-Megias, A.¹⁸⁸, Lynn, J.²⁴⁷
- Induced Magnetic Order in the Superconducting State of (Nd-Ce)₂CuO₄**
Kang, H.⁴⁹⁹, Dai, P.⁴⁹⁹, Matsuura, M.⁴⁹⁹, Lynn, J.²⁴⁷, Tokura, Y.³⁸¹
- Inelastic Diffraction Measurements of Fe Nanoparticles**
Ijiri, Y.²⁷¹, Majetich, S.⁴⁸, Farrell, D.⁴⁸, Rhyne, J.¹⁸⁸, Borchers, J.²⁴⁷
- Influence of Cholesterol on the Morphology of SOPC and DOPC Large Unilamellar Vesicles**
Pencer, J.¹⁶³, Kiselev, M.⁹⁸, Dimova, R.⁸⁹⁰
- Inter-Granular Giant Magnetoresistance in a Spontaneously Phase Separated Perovskite Oxide**
Wu, J.⁴⁷⁷, Lynn, J.²⁴⁷, Glinka, C.²⁴⁷, Burley, J.⁴⁷⁷, Zheng, H.⁴⁷⁷, Mitchell, J.²⁴, Leighton, C.⁴⁷⁷
- Intermultiplet Transitions and Exchange Interactions in the Fe₃-Br Single Molecule Nanomagnet**
Copley, J.²⁴⁷, Caciuffo, R.⁸²⁵, Guidi, T.⁸²⁵, Qiu, Y.^{470, 247}
- Inter-Plane Magnetic Correlations in Li Doped La₂CuO₄**
Chen, Y.¹⁸⁸, Bao, W.¹⁸⁸, Qiu, Y.^{470, 247}, Park, S.⁴⁷⁰, Lee, S.²⁴⁷, Sarrao, J.¹⁸⁸
- Investigation of Quantum Critical Fluctuations in Sr_{1-x}Ca_xRuO₃**
Osborn, R.²⁴, Khalifah, P.²⁷⁰
- KTN Diffuse Scattering**
Toulouse, J.¹⁸⁵, Erwin, R.²⁴⁷, Yong, G.⁸⁴⁸
- Lattice Dynamical Study of Mixed SbSeSI Crystals**
Gaigalas, G.⁸⁵³, Gehring, P.²⁴⁷
- Lattice Dynamics of the Ferroelectric Semiconductor SbSI**
Gaigalas, G.⁸⁵³, Audzijonis, A.⁸⁵³, Zigas, L.⁸⁵³, Zaltauskas, R.⁸⁵³, Gehring, P.²⁴⁷
- Local Modes of Li in Relaxor Ferroelectric KLT**
Erwin, R.²⁴⁷, Toulouse, J.¹⁸⁵
- Local Structure of Zeolites by Neutron Scattering**
Martinez-Inesta, M.⁴⁵³, Peral, I.^{470, 247}, Proffen, T.¹⁸⁸, Lobo, R.⁴⁵³
- Long-Range Order in Silicate Glasses**
Kargl, F.⁶⁵⁰, Meyer, A.⁶⁵⁰
- Low Energy Spin Excitations in the Singlet Ground State System SrCu₂(BO₃)₂**
Gaulin, B.²⁰⁰, Haravifard, S.²⁰⁰, Lewis, M.²⁰⁰
- Low Temperature Structure of a Mineral-Based Frustrated Magnet**
Lee, Y.¹⁹⁷, Nocera, D.¹⁹⁷
- Low-Energy Excitations in BaNi₂V₂O₈**
Bayrakci, S.⁶¹⁷, Reznik, D.⁸⁴⁹, Wolf, T.⁸⁴⁹, Keimer, B.⁶¹⁷, Lynn, J.²⁴⁷
- Magnetic and Quadrupolar Order in CeB₆**
Woodward, F.²⁴⁷, Lynn, J.²⁴⁷, Goodrich, R.¹⁹⁰, Young, D.¹⁹⁰, Fisk, Z.⁹²
- Magnetic Correlations in a Geometrically Frustrated Magnet ZnV₂O₄**
Lee, S.²⁴⁷, Louca, D.⁵⁰⁶, Ueda, Y.³⁸¹
- Magnetic Correlations in Cobalt Nanorods**
van Lierop, J.⁴⁷⁶, Inderhees, S.⁴⁷⁶, Aronson, M.⁴⁷⁶, Borchers, J.²⁴⁷
- Magnetic Correlations in Dilute Nanocrystalline Fe₂O₃**
van Lierop, J.⁴⁷⁶, Aronson, M.⁴⁷⁶
- Magnetic Critical Scattering Ferromagnetic Zr_{1-x}Nb_xZn₂**
Sokolov, D.⁴⁷⁶, Aronson, M.⁴⁷⁶, Lynn, J.²⁴⁷
- Magnetic Excitation Spectrum in Spin Frustrated KFe₃(OD)₆(SO₄)₂**
Lee, Y.²⁴⁷, Grohol, D.¹⁹⁷, Nocera, D.¹⁹⁷, Lee, S.²⁴⁷, Lynn, J.²⁴⁷
- Magnetic Excitations in Cd_xZn_{1-x}V₂O₄ (x=0, 1/2, 1)**
Zhang, Z.⁵⁰⁶, Louca, D.⁵⁰⁶, Lee, S.²⁴⁷
- Magnetic Excitations in GeCo₂O₄**
Crawford, M.⁷⁹, Copley, J.²⁴⁷, Qiu, Y.^{470, 247}
- Magnetic Excitations in GeNi₂O₄**
Crawford, M.⁷⁹, Copley, J.²⁴⁷, Lynn, J.²⁴⁷
- Magnetic Excitations in Geometrically Frustrated Antiferromagnets**
Hasan, Z.²⁹⁴, Li, Y.²⁹⁴, Lynn, J.²⁴⁷, Gong, F.²⁹⁴, Hsieh, D.²⁹⁴
- Magnetic Excitations in Mn- and Cu(dca)₂(pyz)**
Manson, J.²⁷⁰, Qiu, Y.^{470, 247}
- Magnetic Field Dependence of Charge and Spin Stripes in La_{2-x}Sr_xNiO₄**
Hucker, M.⁴², Xu, G.⁴², Tranquada, J.⁴², Lee, S.²⁴⁷
- Magnetic Fluctuations in Co Nanorods and Nanospheres**
van Lierop, J.⁴⁷⁶, Inderhees, S.⁴⁷⁶, Aronson, M.⁴⁷⁶, Borchers, J.²⁴⁷
- Magnetic Interactions in Zn(Mn_{0.09})Te:P**
Kepa, H.⁵²², Brown, C.^{470, 247}, Giebultowicz, T.²⁷⁹, Van Khoi, L.²⁹⁰
- Magnetic Order and Chain Ordering in Lightly Doped YBa₂Cu₃O_{6+x}**
Tranquada, J.⁴², Huecker, M.⁴², Ando, Y.⁵³, Lynn, J.²⁴⁷

- Magnetic Order and Dynamics in Ce₂Pd₃Si₅**
Lynn, J.²⁴⁷, Gupta, L.³⁴², Behr, G.⁷⁵⁴, Skanthakumar, S.²⁴
- Magnetic Order and Excitations in Na_xCoO₂**
Lee, Y.¹⁹⁷, Khaykovich, B.¹⁹⁷, Lynn, J.²⁴⁷, Ott, R.¹⁹⁷, Matan, K.¹⁹⁷, Chou, F.¹⁹⁷, Abel, E.¹⁹⁷
- Magnetic Order and Spin Dynamics in Frustrated Seignette Magnets**
Hasan, Z.²⁹⁴, Li, Y.²⁹⁴, Lynn, J.²⁴⁷, Qiu, Y.^{470, 247}
- Magnetic Order and Spin Dynamics in the Oxygen-Doped 1D Mott Insulator Sr₂CuO_{3+y}**
Zaliznyak, I.⁴², Gu, G.⁴²
- Magnetic Order in (Lu/Sc)MnO₃**
Li, W.²¹⁸, Yang, C.²¹⁸, Lynn, J.²⁴⁷
- Magnetic Order in Ferroelectric HoMnO₃**
Vajk, O.²⁴⁷, Lynn, J.²⁴⁷, Cheong, S.³¹⁵
- Magnetic Order in Frustrated Seignette Magnets**
Hasan, Z.²⁹⁴, Li, Y.²⁹⁴, Lynn, J.²⁴⁷
- Magnetic Order in Ho₂Ru₂O₇**
Gardner, J.^{42, 247}, Wiebe, C.²⁰⁰
- Magnetic Order in Mn_{0.25}NbS₂**
Lynn, J.²⁴⁷, Huang, Q.²⁴⁷, Lofland, S.⁸⁵⁴
- Magnetic Order in RuSr₂Eu_{2-x}Ce_xCu₂O₁₀**
Lynn, J.²⁴⁷, Tallon, J.¹³¹
- Magnetic Order of 1-D Copper Oxide Chain Compounds**
Capogna, L.⁶¹⁷, Keimer, B.⁶¹⁷, Lynn, J.²⁴⁷
- Magnetic Order of Mn in Bi-Based 1:1:3 CMR Compounds**
Li, W.²¹⁸, Yang, C.²¹⁸, Lynn, J.²⁴⁷
- Magnetic Ordering in 3.6 nm NiO Particles**
Erwin, R.²⁴⁷, Seehra, M.⁵²⁹
- Magnetic Ordering in Co₂SnO₄ and Related Magnets**
Crawford, M.⁷⁹, Flippen, R.⁷⁹, Harlow, R.⁷⁹, Hormadaly, J.⁷⁹, Lynn, J.²⁴⁷, Huang, C.⁴⁷⁰
- Magnetic Ordering Parameter in REBaCuCoO₅ (RE=La & Pr)**
Momburu, A.⁴⁰⁰, Jones, C.²⁴⁷, Suescun, L.⁴⁰⁰
- Magnetic Properties of (La,Sr)₂MnO₄**
Greven, M.³³⁴, Lu, L.³³⁴, Laroche, S.³³⁴, Vajk, O.³³⁴, Lynn, J.²⁴⁷
- Magnetic Structure and Dynamics of a RT Ferromagnetic Semiconductor**
Lynn, J.²⁴⁷, Shull, R.²⁵³, Rao, K.³¹¹, Owens, F.^{850, 851}, Ahuja, R.⁵¹¹
- Magnetic Structure Determination of Ba₃CuSb₂O₉**
Ratcliff II, W.²⁴⁷, Cheong, S.³¹⁵, Yinanc, M.³¹⁵
- Magnetic Structure of CeNiSb₂**
Chen, Y.¹⁸⁸, Bao, W.¹⁸⁸, Lynn, J.²⁴⁷
- Magnetic Structure of Conjugated Polymer-FeOCl Nanocomposites and Fe-Ni Nanorods**
Li, W.²¹⁸, Wu, C.²¹⁸, Yang, C.²¹⁸
- Magnetic Structure of Ni(Al-Fe) Alloys**
Wang, X.²⁷⁰, Liu, C.²⁷⁰, Fernandez-Baca, J.²⁷⁰
- Magnetic Structure Study in Polycrystalline Ni₃V₂O₈**
Kenzelmann, M.^{163, 247}, Broholm, C.^{163, 247}
- Magnetically Induced Spin Transitions in Cobaltates**
Louca, D.⁵⁰⁶, Lee, S.²⁴⁷
- Magnetism and Spin Dynamics of Na_xCoO₂**
Hasan, Z.²⁹⁴, Li, Y.²⁹⁴, Qian, D.²⁹⁴, Lynn, J.²⁴⁷
- Magnetism in Single-Crystalline Na_xCoO₂ (0.50<x<0.75)**
Hasan, Z.²⁹⁴, Li, Y.²⁹⁴, Qian, D.²⁹⁴, Lynn, J.²⁴⁷, Foo, M.²⁹⁴, Cava, R.²⁹⁴
- Magnon Dispersion in the Ferromagnetic Semiconductor GaMnAs**
Rhyne, J.⁴⁷⁸, Kirby, B.⁴⁷⁸, Furdyna, J.⁴⁸⁴, Borchers, J.²⁴⁷, O'Donovan, K.^{438, 247}, Park, S.⁴⁷⁰
- Measurement of the Degree of Exfoliation of Graphite**
Trevino, S.^{393, 247}, Severe, G.³⁹³
- Microscopic Dynamics in Molten Sodium Tetraborate**
Kargl, F.⁶⁵⁰, Meyer, A.⁶⁵⁰
- Microscopic Dynamics in Silica Based Glasses**
Kargl, F.⁶⁵⁰, Meyer, A.⁶⁵⁰
- Microscopic Spin Hamiltonian and Excitations of a Fe₁₀ Antiferromagnetic Ring**
Guidi, T.⁸²⁵, Caciuffo, R.⁸²⁵
- Mn-Mn Exchange Constant in Ferromagnetic Zn(5%Mn) Te:P**
Kepa, H.⁵²², Brown, C.^{470, 247}, Giebultowicz, T.²⁷⁹, Van Khoi, L.²⁹⁰
- Neutron Diffraction of CoNiGa**
Shapiro, S.⁴², Gardner, J.^{42, 247}
- Neutron Powder Diffraction of Nuclear and Magnetic Structures of Oxidized and Reduced YBa₂Fe₃O_{8+w} (-0.24<w<+0.11)**
Karen, P.⁴⁸⁶, Kjekshus, A.⁴⁸⁶, Huang, Q.²⁴⁷, Karen, V.²⁴⁷, Lynn, J.²⁴⁷, Rosov, N.²⁴⁷, Santoro, A.²⁴⁷, Sora, I.⁷³⁵
- Neutron Scattering Studies of Short-Range Order and Atomic Displacements in Null-Matrix ⁶²Ni_{0.52}Pt_{0.48} Crystal**
Rodriguez, J.⁴⁵⁹, Moss, S.⁴⁵⁹, Robertson, J.²⁷⁰, Copley, J.²⁴⁷, Neumann, D.²⁴⁷, Major, J.⁷⁵⁸, Reichert, H.⁷⁵⁸, Dosch, H.⁷⁵⁸
- Neutron Scattering Studies of Strongly Fluctuating Magnets**
Broholm, C.^{163, 247}, Hong, T.¹⁶³, Reich, D.¹⁶³, Kenzelmann, M.^{163, 247}
- Observation of Structural Phase Transition in GeCo₂O₄**
Kamazawa, K.⁷⁴¹, Tsunoda, Y.⁷⁴¹, Park, S.⁴⁷⁰, Sato, T.²²², Lee, S.²⁴⁷
- Orbital and Spin Ordering Transitions in LaMn₇O₁₂**
Huang, Q.²⁴⁷, Santoro, A.²⁴⁷, Gilioli, E.⁷³⁸
- Orbital-Ordering Transition in LaMnO₃ Investigated by X-Ray and Neutron Spectroscopies**
Souza, R.⁷¹⁷, Ramos, A.⁷¹⁷, Granado, E.²⁴⁷, Lynn, J.²⁴⁷, Mukovskii, Y.²¹³
- Order in a Ferroelectric Magnet**
Broholm, C.^{163, 247}, Kenzelmann, M.^{163, 247}, Cheong, S.³¹⁵, Jonas, S.¹⁶³
- Osmotically-Induced Shape Changes to Unilamellar Vesicles**
Pencer, J.¹⁶³
- Peak Effect in a Type-II Superconductor: Multicriticality in a Bragg Glass**
Park, S.⁴³, Dimitrov, I.⁴³, Ling, X.⁴³, Lynn, J.²⁴⁷
- Phase Transition in the Spin Liquid Tb₂Ti₂O₇**
Gardner, J.^{42, 247}, Gaulin, B.²⁰⁰, Lewis, M.²⁰⁰
- Phonon Behavior in Ferromagnetic Shape Memory Alloy Ni₂MnGa**
Shapiro, A.⁴², Gardner, J.^{42, 247}, Stassis, C.⁵⁸⁸
- Phonon/Spin Excitations in the Ferromagnetic Superconductor ErNi₂B₂C**
Choi, S.⁶¹⁶, Lynn, J.²⁴⁷, Lee, J.⁶¹⁶, Canfield, P.⁵⁸⁸
- Phonons in Cd₂Re₂O₇**
Gardner, J.^{42, 247}, Park, S.⁴⁷⁰
- Phonons in Superconducting (Ho, Tb) Ni₂B₂C**
Kreyszig, A.⁷³⁶, Stockert, O.⁶¹⁷, Lynn, J.²⁴⁷, Woodward, F.²⁴⁷
- Polarization Analysis of the Spin-Order Scattering in the Half-Doped Layered Manganite**
Zaliznyak, I.⁴², Moritomo, Y.⁵⁷⁵
- Polarized-Neutron Scattering Measurements of the Oxygen Moment in (La,Sr)MnO₃**
Gehring, P.²⁴⁷, Shirane, G.⁴², Hirota, K.³⁸⁵, Lynn, J.²⁴⁷
- Polaron Formation in (Pr,La)-CaMnO₃**
Fernandez-Baca, J.²⁷⁰, Dai, P.²⁷⁰, Lynn, J.²⁴⁷, Adams, C.³¹⁸, Tomioka, Y.³⁸¹, Tokura, Y.³⁸¹
- Precise Lattice Parameter Measurements in BaTiO₃ and SrTiO₃ Submicron Powders**
Erwin, R.²⁴⁷, Yong, G.⁸⁷⁶
- Quantum Tunneling in the Single Crystal Fe₈ Molecular Magnet**
Sato, T.²²², Maegawa, S.¹⁷⁴, Ueda, M.¹⁷⁴, Lee, S.²⁴⁷
- Quasielastic Neutron Scattering Study of Alkane Film Dynamics**
Taub, H.⁴⁷⁸, Diamo, A.⁴⁷⁸, Herwig, K.²⁷⁰, Dimeo, R.²⁴⁷, Hansen, F.³⁴⁴, Criswell, L.⁴⁷⁸, Volkmann, U.⁶⁶², Enevoldsen, A.³⁴⁴, Neumann, D.²⁴⁷
- SANS Measurements of Sol-Gel Coated Glass as a ³He Analyzer**
Chen, W.²⁵⁰, Gentile, T.²⁵⁰, Thompson, A.²⁵⁰
- Search for Charge and Magnetic Ordering in Perovskite (La, Bi, Ca) MnO₃**
Chen, Y.¹⁸⁸, Bao, W.¹⁸⁸, Lynn, J.²⁴⁷, Cheong, S.³¹⁵
- Search for Ground State CEF Level in ScUPd₃**
Dai, P.⁷⁹², Wilson, S.⁷⁹², Lynn, J.²⁴⁷
- Search for Incommensurate Spin Fluctuations in Sr_{1-x}Ca_{0.1}RuO₄**
Dai, P.²⁷⁰, Jin, R.²⁷⁰, Mandrus, D.²⁷⁰, Nagler, S.²⁷⁰
- Search for Magnetic Order in SrRE₂O₄ (RE=Dy, Ho, Er, Yb and Tm)**
Huang, Q.²⁴⁷, Cava, R.²⁹⁴, Lynn, J.²⁴⁷
- Search for Scaling Behavior in Magnetic Excitations of Pr_{0.88}LaCe_{0.12}CuO₄**
Dai, P.⁷⁹², Wilson, S.⁷⁹², Bao, W.¹⁸⁸, Lynn, J.²⁴⁷, Kang, H.⁴⁹⁹
- Search for Spin Density Waves in Zr**
Arrott, A.⁵¹⁷, Overhauser, A.²⁹⁶, Lynn, J.²⁴⁷
- Search for Spin Order and Correlations in the New Dipolar Spin Ice Ho₂Ru₂O₇**
Wiebe, C.²⁰⁰, Luke, G.²⁰⁰, Gardner, J.^{42, 247}, Qiu, Y.^{470, 247}
- Short Range Chemical Ordering in High Strength Nanocrystalline FeCo Alloys**
Leheny, R.¹⁶³, Liang, D.¹⁶³
- Single Crystal Magnetic Diffraction Study of GeNi₂O₄ and GeCo₂O₄**
Crawford, M.⁷⁹, Ikeda, T.⁸⁵², Hara, S.⁸⁵², Lynn, J.²⁴⁷, Harlow, R.⁸⁵⁵, Huang, Q.²⁴⁷
- Single Particle Dynamics of Interfacial Water in Nanoporous Silica Materials**
Chen, S.¹⁹⁷, Faraone, A.⁶³⁰, Liu, L.¹⁹⁷, Mou, C.²³³, Shih, P.²³³, Wen, C.²³³
- Slow Dynamics in Ho₂Ru₂O₇**
Gardner, J.^{42, 247}, Ehlers, G.³²⁹, Chang, L.⁹⁷, Wiebe, C.⁶⁴

Soft Phonon Dynamics in Relaxor Ferroelectrics

Gehring, P.²⁴⁷, Wakimoto, S.³⁸⁵, Stock, C.⁵⁰², Ye, Z.³²⁵, Chen, W.³²⁵, Shirane, G.⁴²

Solitons or Termons in Magnetized State of Anisotropic Spin-1 Chain

Broholm, C.^{163,247}, Zheludev, A.²⁷⁰, Katsumata, K.⁷³⁹, Regnault, L.⁷⁴⁰, Honda, Z.³¹⁹

Spatial Dependence of Magnetism in Pd When in Proximity to Fe

Fitzsimmons, M.¹⁸⁸, Park, S.¹⁸⁸, Palmstrom, C.⁴⁷⁷, Schultz, B.⁴⁷⁷, Falco, C.⁸⁷³

Spin and Charge Ordering in $Y_{2-x}Sr_xNiO_4$

Tranquada, J.⁴², Park, S.⁴⁷⁰, Lee, S.²⁴⁷, Xu, G.⁴²

Spin Correlations and Magnetic Field Effects in $(Nd, Ce)_2CuO_4$

Greven, M.³³², Mang, P.³³², Lynn, J.²⁴⁷

Spin Dynamics and Role of DM/KSEA Interactions in $Ba_2CoGe_2O_7$

Zheludev, A.²⁷⁰, Uchinokura, K.²⁷⁰, Sato, T.²²²

Spin Dynamics in a Gapless S=1 Bond Alternating Antiferromagnet

Zheludev, A.²⁷⁰, Mandrus, D.²⁷⁰, Sales, B.²⁷⁰

Spin Dynamics in Quantum Kagome Antiferromagnet

Gardner, J.^{42,247}, Ehlers, G.³²⁹, Harrison, A.³⁷⁰, Coomer, F.³⁷⁰

Spin Dynamics in the "Stripe Liquid" $La_{2-x}Sr_xNiO_4$

Xu, G.⁴², Tranquada, J.⁴², Huecker, M.⁴², Lee, S.²⁴⁷

Spin Dynamics in the Icosahedral Zn-Mg-Tb Quasicrystals

Sato, T.²²², Chowdhuri, Z.^{470,247}, Lynn, J.²⁴⁷, Tsai, A.²²²

Spin Excitation in $Ca_{2-x}Y_{2-x}Cu_5O_{10}$

Kargl, V.⁶⁵⁰, Mirmelstein, A.⁶⁵⁰, Boni, P.⁶⁵⁰, Lynn, J.²⁴⁷

Spin Excitations in the Geometrically Frustrated Antiferromagnet $Tb_2Ti_2O_7$

Gaulin, B.²⁰⁰, Gardner, J.^{42,247}, Lewis, M.²⁰⁰

Spin Excitations in Transition Metal Telluride Cluster Compounds

Sato, T.²²², Lee, S.²⁴⁷

Spin Excitations of the Kagome Lattice

Lee, Y.¹⁹⁷, Matan, K.¹⁹⁷, Abel, E.¹⁹⁷, Lynn, J.²⁴⁷

Spin Freezing Transition in Half-Doped Layered Cobaltate $La_{1-x}Sr_xCoO_4$

Zaliznyak, I.⁴², Gardner, J.^{42,247}, Tranquada, J.⁴²

Spin Gap in a Quasi One-Dimensional Titanate

Lee, Y.¹⁹⁷, Abel, E.¹⁹⁷, Fang, C.¹⁹⁷

Spin Gap in Ti Based Chain Compound

Lee, Y.¹⁹⁷, Abel, E.¹⁹⁷, Chou, F.¹⁹⁷, Lynn, J.²⁴⁷

Spin Glass Component in $La_2Cu_{0.94}Li_{0.06}O_4$

Chen, Y.¹⁸⁸, Bao, W.¹⁸⁸, Qiu, Y.^{470,247}, Lin, M.^{87,247}

Spin Glass Component in Li Doped La_2CuO_4

Chen, Y.¹⁸⁸, Bao, W.¹⁸⁸, Qiu, Y.^{470,247}

Spin Structure in Magneto-Electric System

Broholm, C.^{163,247}, Jonas, S.¹⁶³, Kenzelmann, M.^{163,247}, Lynn, J.²⁴⁷

Spin Wave Dispersion in Doped CoS_2

Sato, T.²²², Cheong, S.³¹⁵, Hor, Y.³¹⁵, Lynn, J.²⁴⁷

Spin Waves in $La-BaMnO_3$

Dabrowski, B.^{265,24}, Lynn, J.²⁴⁷, Sato, T.^{265,24}

Spin-Density-Wave Magnetism in Iron-Aluminum Alloy Single Crystals

Noakes, D.⁵¹⁷, Arrott, A.⁵¹⁷, Belk, M.⁵¹⁷, Lynn, J.²⁴⁷, Shull, R.²⁵³, Shapiro, S.⁴²

Structural and Magnetic Study in the $REBaCuCoO_{5-8}$ System (RE=Y, La, Pr, Nd, Eu, Dy, Er)

Mombru, A.⁴⁰⁰, Suescun, L.⁵⁰⁴, Toby, B.²⁴⁷, Jones, C.²⁴⁷

Structural Transitions in $Zn_{1-x}Cd_xV_2O_4$

Louca, D.⁵⁰⁶, Lee, S.²⁴⁷

Structure of Annealed Alloy Glasses

Trevino, S.^{393,247}, Kecskes, L.³⁹³, Woodman, R.³⁹³

Structure of Frustrated Antiferromagnet

Broholm, C.^{163,247}, Hong, T.¹⁶³, Nakatsuji, S.¹⁷⁴, Maeno, Y.¹⁷⁴

Structure of Heavy Fermion Pyrochlore Materials

Broholm, C.^{163,247}, Gasparovic, G.¹⁶³, Cheong, S.¹⁶³

Studies on the Structure and Dynamics of PEO/PMMA Blends

Garcia Sakai, V.²⁸⁷, Maranas, J.²⁸⁷, Chowdhuri, Z.^{470,247}, Lynn, J.²⁴⁷

Study of the Ferromagnetic Domain Scattering in $(Pr-Ca)MnO_3$

Lynn, J.²⁴⁷, Schiffer, P.²⁸⁷, Mitchell, J.²⁴, Woodward, M.²⁴⁷

Study of the Quantum Critical Point Near Heavy Fermionic LiV_2O_4

Park, S.⁴⁷⁰, Lee, S.²⁴⁷, Ueda, Y.⁶⁷⁶

Superconductivity and Magnetism in $Na_xCoO_2 \cdot 1.4D_2O$ ($0.25 < x < 0.35$)

Hasan, Z.²⁹⁴, Li, Y.²⁹⁴, Qian, D.²⁹⁴, Lynn, J.²⁴⁷, Foo, M.²⁹⁴, Cava, R.²⁹⁴

Temperature Dependence of the Spin Wave Dispersion in a Random Field Magnet

Leheny, R.¹⁶³, Ramazanoglu, M.⁵⁰², Birgeneau, R.⁵⁰², Shirane, G.⁴²

The Effects of Confinement on Atomic Motion in Ferroelectric Sodium Nitrite

Vakhrushev, S.⁶³⁸, Mamontov, E.^{470,247}

Biology

A SANS Study of the Aggregation of Membrane-Bound Proteins as the Molecular Basis for Intercellular Recognition and Signaling in Adaptive Immune-Response

Paulaitis, M.¹⁶³, Krueger, S.²⁴⁷, Bossev, D.^{470,247}, Schneck, J.¹⁶³, Fahmy, T.¹⁶³

A Study on the Evolution of Lipid Ordering and Packing in Phosphocholine Bilayers With Increasing the Degree of Lipid Unsaturation

Mihailescu, E.^{438,247}, White, S.⁴³⁸

Adsorption of Fibronectin to Charged Monolayers

Shin, K.⁶⁶⁸, Pernodet, N.³³⁷, Rafailovich, M.³³⁷, Satija, S.²⁴⁷

Absorption of Model Protein Residues on Self-Assembled Monolayers

Perahia, D.⁶¹, Latour, R.⁶¹, Gang, C.⁶¹, Sproul, B.⁶¹

Adsorption of Myoglobin to Langmuir Monolayers of Metal Chelating Lipids: Variation With Surface Pressure

Kent, M.³²⁰, Yim, H.³²⁰, Sasaki, D.³²⁰, Majewski, J.¹⁸⁸, Satija, S.²⁴⁷

Alzheimer Amyloid Morphological Variance Assessed by SANS

Ho, D.^{470,247}, Shi, Y.⁸⁸⁴

Chain Interdiffusion Within Sequentially Adsorbed Polyelectrolyte Multilayer Films on Solid Substrates

Schlenoff, J.⁹², Losche, M.^{163,247}

Configuration vs Conformation Changes in Titin PEVK Protein

Forbes, J.⁸⁰⁷, Wang, K.⁸⁰⁷, Krueger, S.²⁴⁷

Coupled Dynamics of Enzyme-Sugar Mixtures as a Biostability Indicator

Pivovar, A.²⁴⁷, Takata, S.²⁴⁷, Neumann, D.²⁴⁷, Curtis, J.²⁴⁷

Determination of the Molecular Envelope Shapes for Gelsolin and an Actin Dimer Within the Gelsolin:Actin Complex Using SANS With Contrast

Krueger, J.³⁷⁴, Chichester, K.³⁷⁴, Smith, S.³⁷⁴

Dynamic Coupling and the Preservation of Proteins

Soles, C.²⁵⁵, Cicerone, M.²⁵⁵

Dynamics of Hydrated Protein Powders Under Pressure

Pivovar, A.²⁴⁷, Curtis, J.²⁴⁷

Dynamics of Protein Aggregates

Head-Gordon, T.⁴³⁶, Russo, D.⁴³⁶

Effect of Counterions on Azoarcus Ribozyme Folding

Briber, R.⁴⁷⁰, Thirumalai, D.⁴⁷⁰, Woodson, S.¹⁶³, Rangan, P.¹⁶³, Krueger, S.²⁴⁷, Perez-Salas, U.^{438,247}, Neumann, D.²⁴⁷, Georgieva, E.²⁴⁵, Caliskan, G.¹⁶³

Effect of pH on DMPC Vesicle Undulations

Bossev, D.^{470,247}, Rosov, N.²⁴⁷

Effects of Counterions on Azoarcus Ribozyme Folding

Perez-Salas, U.^{438,247}, Woodson, S.¹⁶³, Briber, R.⁴⁷⁰, Thirumalai, D.⁴⁷⁰, Rangan, P.¹⁶³

Electric Field Driven Dewetting of an Organic Film From an Electrode Surface

Lipkowski, J.⁴⁵⁸, Szymanski, G.⁴⁵⁸, Li, M.⁴⁵⁸, Burgess, I.⁴⁵⁸, Majewski, J.¹⁸⁹, Satija, S.²⁴⁷

Electric Field Driven Phase Transitions in Model Membrane Deposited at Electrode Surfaces

Lipkowski, J.⁴⁵⁸, Majewski, J.¹⁸⁹, Burgess, I.⁴⁵⁸, Li, M.⁴⁵⁸, Satija, S.²⁴⁷

Enzyme Structure in Crowded Environments

Pivovar, A.²⁴⁷, Takata, S.¹⁷³, Neumann, D.²⁴⁷, Paoletti, M.⁶⁴⁰

Fusion Related Lipid Structures by Small Angle Neutron Diffraction

Huang, H.³⁰⁶, Ding, L.³⁰⁶, Wang, W.³⁰⁶

Hydration Water Dynamics and Investigation of Protein Structural Relaxation

Head-Gordon, T.⁴³⁶, Russo, D.⁴³⁶, Hura, G.⁴³⁶

Hydration Water Dynamics of Amino Acids Solution

Head-Gordon, T.⁴³⁶, Russo, D.⁴³⁶, Hura, G.⁴³⁶, Verschell, E.⁴³⁶

Influence of Hydration Level on Protein Dynamics, Correlation to Enzymatic Activity

Sokolov, A.⁷⁶¹, Roh, J.⁷⁶¹, Ding, Y.⁴²⁹

Influence of Solvents on the Energy Landscape of a Protein

Sokolov, A.⁴²⁹, Caliskan, G.⁴²⁹, Gregory, R.¹⁶⁶, Cicerone, M.²⁵⁵, Soles, C.²⁵⁵

Influence of the Membrane Environment on Lateral Organization and Structure of MHC-Ig-TCR Complexes I: Solution Structures

Pencer, J.¹⁶³, Gupta, K.¹⁶³, Paulaitis, M.¹⁶³, Krueger, S.²⁴⁷, Schneck, J.⁸⁸⁵

In-Plane Scattering of Peptide-Induced Pores in Fluid Membranes

Huang, H.³⁰⁶, Ding, L.³⁰⁶, Yang, L.⁴²

Interaction of Antimicrobial Peptides With Lipid Bilayers, as Revealed by Neutron Diffraction

Vaknin, D.⁵⁸⁸, Leung, W.¹⁵⁴, Ho, K.¹⁵⁴, Hong, M.¹⁵⁴, Shin, Y.¹⁵⁴

Interaction of Concanavalin A With Supported Lipid Bilayers of Synthetic Glycolipids

Kent, M.³²⁰, Yim, H.³²⁰, Sasaki, D.³²⁰

Kinetics of Photoinduced Protein Folding

Lee, C.⁴⁹⁵, Hatton, T.¹⁹⁷, Hamill, A.⁴⁹⁵

Lipid-Sterol Phase Diagrams: Cholesterol, Ergosterol and Lanosterol

Pencer, J.¹⁶³

Membrane Organization and Raft Formation in Mixtures of

Saturated/Polyunsaturated Lipids and Cholesterol

Gawrisch, K.^{874, 227}, Mihailescu, E.^{438, 247}, Majkrzak, C.²⁴⁷, Krueger, S.²⁴⁷

Model Membrane Systems as a Platform for the Study of Membrane Proteins

Koper, I.⁸⁷⁵, Losche, M.^{163, 247}, McGillivray, D.^{163, 247}

MS2 Particles as Standards for Malignant Melanoma Assays

Krueger, S.²⁴⁷, Kuzmanovic, D.²⁴⁵

Neutron Reflectivity Studies of Protein Adsorption/Desorption on the Surfaces of Self-Assembled Monolayers

Foster, M.⁴²⁹, Petrash, S.⁴²⁹, Majkrzak, C.²⁴⁷

Neutron Reflectometry of Self-Assembled Mono- and Bilayers With Embedded

Helical, Amphiphilic Peptides

Kilpatrick, P.²⁶², Genzer, J.²⁶², Losche, M.^{163, 247}

Organization of MetJ Repressor Complexes With DNA

Spicer, L.⁷⁷, Chamberlain, D.⁷⁷, Augustus, A.⁷⁷

Phase-Sensitive Contrast Variation Studies of DOPC/Alkanethiol Bilayers:

Water Distribution in the Lipid Headgroup Region as a Function of Salt Concentration

Pencer, J.¹⁶³, Perez-Salas, U.^{438, 247}, Majkrzak, C.²⁴⁷, Berk, N.²⁴⁷, Krueger, S.²⁴⁷

Phase-Sensitive Neutron Reflectometry Studies of a Biomineralization Peptide

Shaw, W.³⁰, Perez-Salas, U.^{438, 247}, Silin, V.²⁴⁵, McGillivray, D.^{163, 247}, Majkrzak, C.²⁴⁷, Berk, N.²⁴⁷, Krueger, S.²⁴⁷

Pressure Denaturation of Proteins

Paulaitis, M.¹⁶³, Paliwal, A.¹⁶³, Bossev, D.^{470, 247}

Protein Adsorption to Metal-Chelating Monolayers by Neutron and X-Ray

Reflection and Grazing Incidence X-Ray Diffraction

Kent, M.³²⁰, Yim, H.³²⁰, Satija, S.²⁴⁷

Protein Degradation Pathways

Cicerone, M.²⁵⁵, Soles, C.²⁵⁵, Pikal, M.⁴⁴⁹, Chiang, L.⁴⁴⁹

Protein Interactions in Systems of Importance for High Resolution Protein

Structure Determination

Rubinson, K.⁵¹, Gronenborn, A.²²⁷, Bossev, D.^{470, 247}, Krueger, S.²⁴⁷

Quasielastic Neutron Scattering From Proteins in Differently Folded States

Pivovar, A.²⁴⁷, Tarek, M.⁷⁴⁷, Neumann, D.²⁴⁷

Reversibility of Protein Adsorption at an Air/Water Interface

Balsara, N.⁴³⁶, Reynolds, B.⁴³⁶, Radke, C.⁴³⁶, Satija, S.²⁴⁷

SANS From PEG/Protein Solutions Under Crystallization Conditions

Krueger, S.²⁴⁷, Rubinson, K.⁵¹

SANS Measurements of Mixed Matrix Membranes

Nair, S.⁴⁷⁰, Tsapatsis, M.⁴⁷³, Marand, E.⁵¹⁸

SANS of the Aggregation of Membrane-Bound Proteins as the Molecular Basis

for Intercellular Recognition and Signaling in Adaptive Immune Response

Paulaitis, M.¹⁶³, Schneck, J.¹⁶³, Fahmy, A.¹⁶³, Bossev, D.^{470, 247}, Krueger, S.²⁴⁷

SANS Study of Weak Protein-Protein Interactions in Staphylococcal Nuclease

Pencer, J.¹⁶³, Paliwal, A.¹⁶³, Paulaitis, M.¹⁶³

Shape Fluctuations of DMPC Vesicles Studied by Neutron Spin-Echo

Technique

Bossev, D.^{470, 247}, Rosov, N.²⁴⁷

Small Angle Scattering Study of the Excited State of Photosystem 1 Complex

Urban, V.²⁷⁰, Greenbaum, E.²⁷⁰, O'Neill, H.⁷⁹², Lee, I.⁷⁹²

Small-Angle Neutron Scattering Study of the Initial Recognition Step of the

Calmodulin-Myosin Light Chain Kinase Interaction

Krueger, J.³⁷⁴, Modi, N.³⁷⁴, Heller, W.²⁷⁰, Trehwella, J.¹⁸⁸

Small-Angle Neutron Scattering Study of the Fully Phosphorylated Ternary

Troponin Complex

Heller, W.²⁷⁰, Finley, N.⁴⁴⁶, Rosevear, P.⁴⁴⁶, Trehwella, J.¹⁸⁸

Solution Conformations of Helical Protein Polymers

Kiück, K.⁴⁵³, Farmer, R.⁴⁵³, Prabhu, V.²⁵⁵

Solution Structure of Flavinoid Biosynthetic Enzymes

Krueger, S.²⁴⁷, Winkel-Shirley, B.⁵¹⁸, Dana, C.⁵¹⁸

Solution Structure of the DNA Decamer CCAACGTTGG

Krueger, S.²⁴⁷, Gregurick, S.⁴⁷¹, Zhou, J.⁴⁷¹

Solution Structure of the Pal₁/Vitronectin Complex

Lynn, G.²⁷⁰, Peterson, C.⁴⁹⁹

Solvent Dependence of Protein Dynamics

Caliskan, G.¹⁶³, Sokolov, A.⁴²⁹, Roh, J.⁴²⁹, Peral, I.^{470, 247}

Specific Myoglobin Protein Attachment to Artificial Membranes at the Air-Water Interface

Kent, M.¹⁶⁶, Yim, H.³²⁰, Sasaki, D.³²⁰, Satija, S.²⁴⁷

Structural Characterization of a Fluorescence-Based Glucose Biosensor

Maranas, J.²⁸⁷, Garcia Sakai, V.²⁸⁷, Pishko, M.²⁸⁷

Structural Determination of Albumin Gels in Physiological Solutions

Jones, R.²⁵⁵, Colby, R.²⁸⁷

Structural Examination of Bacterial PHA Inclusion Bodies

Holden, P.²⁹, Schulz, J.²⁹, Garvey, C.²⁹, Foster, L.³⁷²

Structural Investigation of Di-Oleoyl-Phosphocoline (DOPC) Lipid

Multilayers at Low Hydration: Limits of Resolution

Mihailescu, E.^{438, 247}, White, S.⁴³⁸, Majkrzak, C.²⁴⁷

Structural Phase of Bicelles

Glinka, C.²⁴⁷, Nieh, M.²³⁰

Structural Studies of Biomimetic Membranes in Porous Scaffolds

Krueger, S.²⁴⁷, Majkrzak, C.²⁴⁷, Gawrisch, K.²²⁷, Richter, L.²⁵⁹

Structural Studies of HIV-1 Gag Protein and Gag Complexes Related to

HIV-1 Particle Assembly

Rein, A.⁷¹⁰, Krueger, S.²⁴⁷, Datta, S.⁷¹⁰, Ratcliff II, W.²⁴⁷

Structure Determination of Polyunsaturated (18:0-22:6 Phosphocholine)

Using Neutron Diffraction

Gawrisch, K.^{874, 227}, Mihailescu, E.^{438, 247}

Structure of the Bacillus Anthracis Protective Antigen 63 Ion Channel

Kasianowicz, J.²⁴⁵, Vanderah, D.²⁴⁵, Woodward, J.²⁴⁵, Silin, V.²⁴⁵, Misakian, M.²⁴⁵, Panchal, K.³⁹², Halverson, K.³⁹², Bovari, S.³⁹², Nguyen, T.^{710, 227}, Gussio, R.^{710, 227}, Penser, J.¹⁶³, McGillivray, D.^{163, 247}, Losche, M.^{163, 247}, Perez-Salas, U.^{438, 247}, Krueger, S.²⁴⁷

Study of the Membrane Penetration by Cholera Toxin

Kuhl, T.⁴³⁷, Majewski, J.¹⁸⁸, Miller, C.⁴³⁷, Satija, S.²⁴⁷

Temperature and Pressure Effects on Glucose-Water Solution Dynamics

Saboungi, M.⁶⁴⁹, Talon, C.⁶⁴⁹, Price, D.²⁷⁰, Smith, L.²⁴, Brady, J.⁷⁰, Lewis, B.⁷⁰, Copley, J.²⁴⁷

The Determination of Di-Oleoyl-Phosphocoline (DOPC) Lipid Structure

Using Contrast and Hydration Variation: Location and Extension of

Water in the Lipid Bilayer

Castro-Roman, F.⁴³⁸, Benz, R.⁴³⁸, White, S.⁴³⁸, Mihailescu, E.^{438, 247}

The Structure of Saposin-C/Lipid Complex for Cancer Treatment Drugs

Nieh, M.²³⁰, Qi, X.⁸¹²

tRNA Powder Dynamics

Caliskan, G.^{163, 247}, Briber, R.⁴⁷⁰, Woodson, S.¹⁶³, Thirumalai, D.⁴⁷⁰, Neumann, D.²⁴⁷

Chemical Physics

Annite QENS on HFBS

Hess, N.²⁸⁴, Ilton, E.²⁸⁴, Bylaska, E.²⁸⁴, Gao, F.²⁸⁴

Coherent Proton Tunneling in a Hydrogen Bond Network

Rosov, N.²⁴⁷, Dimeo, R.²⁴⁷

Determination of Second Virial Coefficients for Solutions of Asphaltenes

and Resins

Kilpatrick, P.²⁶², Gawryls, K.²⁶²

Doping Effect on the Vibrational Spectra of the sII and sI TMO Clathrate

Hydrates

Peral, I.^{470, 247}, Jones, C.²⁴⁷

Dynamics of Associating Physical Polymeric Networks

Perahia, D.⁶¹, He, L.⁶¹

Dynamics of Bioencapsulated Enzymes

Pivovar, A.²⁴⁷, Paoletti, M.⁶⁴⁰, Neumann, D.²⁴⁷

Dynamics of H in ZrBe₂H_x

Udovic, T.²⁴⁷, Chowdhuri, Z.^{470, 247}, Cappelletti, R.²⁴⁷, Hauback, B.¹³⁷, Maeland, A.¹³⁷

Dynamics of Methyl iodide Confined in Vycor Glass

Glanville, Y.²⁸⁷, Sokol, P.²⁸⁷, Dimeo, R.²⁴⁷, Brown, C.^{470, 247}

Dynamics of Structure I Propylene Oxide Clathrate Hydrate

Jones, C.²⁴⁷, Peral, I.^{470, 247}

Dynamics of Water Confined in the Center of Reverse Micelles

Herwig, K.²⁶⁹, Rols, S.²⁶⁹, Cook, J.^{470, 247}, Copley, J.²⁴⁷, Harpham, M.⁶³

Dynamics of Water in Zeolites

Kamitakahara, W.²⁴⁷, Wada, N.³⁸⁷

Effects of Bulk Solvent and Water Content on AOT Reverse Micelle

Dynamics Determined by Neutron Spin Echo Spectrometry

Kitchens, C.²⁸, Roberts, C.²⁸

Geometrical Frustration and Orbital Degeneracy in Al₁V₂O₄

Lee, S.²⁴⁷, Katsufuji, T.³⁸¹

Glass Transition in Confined Methyl Iodide

Dimeo, R.²⁴⁷, Glanville, Y.²⁸⁷, Sokol, P.²⁴⁷

High-Pressure Vibrational Spectroscopy of Biphenyl

Leao, J.²⁴⁷, Pivovar, A.²⁴⁷

Hydrogen Dynamics in the Hydrides of Pr₂Fe₁₇

Udovic, T.²⁴⁷, Rush, J.²⁴⁷, Isnard, O.⁸⁶⁶, Mamontov, E.^{470, 247}

Hydrogen in Electrolytically Charged Cu and Ni

Udovic, T.²⁴⁷, Fukai, Y.²⁴⁷

Insertion of Amyloid Beta Peptide Into Lipid Monolayers

Lee, K.⁴⁴⁵, Ege, C.⁴⁴⁵, Majewski, J.¹⁸⁸, Satija, S.²⁴⁷

Low Energy Magnetic Excitations in a Triangular System LiNiO₂

Gaulin, B.²⁰⁰, Lee, S.²⁴⁷, Copley, J.²⁴⁷, Qiu, Y.^{470, 247}

Low Frequency Dynamics of Comminuted Glasses

Angell, C.²⁵, Bhat, H.²⁵, Copley, J.²⁴⁷, Peral, I.^{470, 247}

Metal-Insulator Phase Transition in Li_(1-x)Zn_(x)V₂O₄

Park, S.⁴⁷⁰, Lee, S.²⁴⁷, Ueda, Y.³⁸¹, Rush, J.²⁴⁷

Metallic Conductivity and Magnetic Order in SrFeO₃ and SrFe_{0.5}Co_{0.5}O₃

Park, S.⁴⁷⁰, Lee, S.²⁴⁷, Yamada, K.³⁸⁵

Methyl Rotational Tunneling Dynamics of P-Xylene Confined in a Crystalline Zeolite Host

Nair, S.¹⁰⁵, Dimeo, R.²⁴⁷, Neumann, D.²⁴⁷, Horsewill, A.⁸¹⁶

Nanostructures of Mixed Surfactants Aggregates in Solid/Liquid Systems

Zhang, R.⁶⁴, Somasundaran, P.⁶⁴, Glinka, C.²⁴⁷

Neutron Vibrational Spectroscopy of Organic Materials

Hudson, B.³⁴⁰, Verdal, N.³⁴⁰, Lan, Y.³⁴⁰

Nucleation and Growth of Silica Nanoparticles in Homogeneous Solution and Microemulsion From Tetraethyl Orthosilicate

Wang, W.²⁷⁰, Hamilton, W.²⁷⁰, Porcar, L.^{470, 247}, Gu, B.²⁷⁰

Protonic Diffusion in Solid Acids

Yildirim, T.²⁴⁷, Neumann, D.²⁴⁷, Haile, S.⁴⁴, Udovic, T.²⁴⁷

Rotational Dynamics of Methyl Groups on M-Xylene

Desmedt, A.¹⁰⁹, Prager, M.⁸²⁰, Kirstein, O.²⁹, Dimeo, R.²⁴⁷

Self-Diffusion of Tris-Naphthylbenzene at the Glass Transition

Ediger, M.⁵⁰⁹, Swallen, M.⁵⁰⁹, Mapes, M.⁵⁰⁹, Satija, S.²⁴⁷

Study of the Effects on the Structural Conformation of a Protein Drug (Interferon) Under Various Conditions by Small-Angle Neutron Scattering (SANS) Techniques

Huang, S.²¹⁸, Lin, F.²¹⁸, Li, W.²¹⁸

Temperature and Pressure Effects on AOT Reverse Micelle Dynamics in Compressed and Supercritical Alkanes Using Neutron Spin Echo

Kitchens, C.²⁸, Roberts, C.²⁸

The Structure of Subcolloidal Zeolite Nanoparticle Precursors

Lobo, R.⁴⁵³, Fedeyko, J.⁴⁵³, Rimer, J.⁴⁵³, Vlachs, D.⁴⁵³

Trans-W(Cmesityl)(dmpc)₂H: Revealing a Highly Polar W-H Bond and H-Mobility in Solid and Liquid States

Furno, F.⁸⁶⁸, Zou, F.⁸⁶⁸, Fox, T.⁸⁶⁸, Burger, P.⁸⁶⁹, Berke, H.⁸⁶⁸, Eckert, J.¹⁸⁸, Chowdhuri, Z.^{470, 247}, Banwart, E.⁸⁷⁰

Vibrational Spectroscopy of Molecular Semiconductors Under Pressure

Pivovar, A.²⁴⁷, Chesterfield, R.⁴⁷⁷, Frisbie, C.⁴⁷⁷, Leao, J.²⁴⁷

Vibrational Spectroscopy of RENiInH_x Compounds

Udovic, T.²⁴⁷, Yartys, V.¹³⁷, Yildirim, T.²⁴⁷

Water and Methanol Dynamics in Fuel Cell Membranes

Pivovar, A.²⁴⁷, Pivovar, B.¹⁸⁸, Neumann, D.²⁴⁷

Water Dynamics in AMH-3

Nair, S.¹⁰⁵, Chowdhuri, Z.^{470, 247}, Peral, I.^{470, 247}, Neumann, D.²⁴⁷, Dickson, C.⁴⁷³, Jeong, H.⁴⁷³, Tompsett, G.⁴⁷⁷, Tsapatsis, M.⁴⁷⁷

Water Transport in Aluminosilicate Nanotubes

Nair, S.¹⁰⁵, Mukherjee, S.¹⁰⁵

Instrumentation

Adaptation of a Fluids Rheometer for SANS

Moyer, J.^{470, 247}, Glinka, C.²⁴⁷, Porcar, L.^{470, 247}, Greenwald, B.^{470, 247}

DALI - A Portable, Extensible Data Acquisition Toolkit

Pheiffer, S.²⁴⁷, Maliszewskij, N.²⁴⁷

Data Acquisition Software for the Neutron Spin Echo Spectrometer

Doucet, M.⁴⁷⁰, Rosov, N.²⁴⁷, Maliszewskij, N.²⁴⁷

Data Acquisition Software for the Next-Generation Triple-Axis Spectrometer

Doucet, M.^{470, 247}, Maliszewskij, N.²⁴⁷

DAVE - Data Analysis and Visualization Environment

Dimeo, R.²⁴⁷, Copley, J.²⁴⁷, Munter, A.²⁴⁷, Azuah, R.^{470, 247}, Lee, S.²⁴⁷, Ratcliff II, W.²⁴⁷, Brown, C.^{470, 247}, Qiu, Y.^{470, 247}, Kneller, L.^{470, 247}

Delayed Neutron Activation Analysis

Greenberg, R.²⁴⁴, Lamaze, G.²⁴⁴, Lindstrom, R.²⁴⁴, Mackey, E.²⁴⁴, Zeisler, R.²⁴⁴

Design and Proof of Concept for a Neutron Laue Camera

Toby, B.²⁴⁷, Pike, T.^{163, 247}, Jones, C.²⁴⁷, Santoro, A.²⁴⁷, Johnson, D.²⁴⁷, Brand, P.²⁴⁷, Prince, E.²⁴⁷, Jacobson, D.²⁵⁰

Design of a Curved Neutron Guide Extension to NG7 for PGAA and Cold Neutron Depth Profiling

Schroder, I.²⁴⁷, Pierce, D.²⁴⁷, Brand, P.²⁴⁷, Larock, J.²⁴⁷, Lindstrom, R.²⁴⁴, Alvarez, E.⁵⁰¹

Development of a 10 Meter SANS

Moyer, J.²⁴⁷, Brand, P.²⁴⁷, Pierce, D.²⁴⁷, Barker, J.²⁴⁷, Glinka, C.²⁴⁷

Development of a Controlled Humidity Chamber for SANS Measurements

Glinka, C.²⁴⁷, Larock, J.²⁴⁷, Dickerson, W.²⁴⁷, Yang, L.⁸⁶⁴, Huang, H.³⁰⁶

Development of a Dance Floor and Air Pad System for the Next

Generation Neutron Scattering Instruments

Murbach, M.^{470, 247}, Pierce, D.²⁴⁷, Wrenn, C.^{470, 247}, Maliszewskij, N.²⁴⁷, Brand, P.²⁴⁷, English, M.²⁴⁷

Development of a Preamplifier/Amplifier/Discriminator System for Counting Neutron Events

Ziegler, J.²⁴⁷

Development of an Apparatus for Vapor Phase Contrast Variation SANS Measurements

Kim, M.^{470, 247}, Glinka, C.²⁴⁷, Slifer, S.²⁴⁷

Development of Documentation for Conduct of Beamline Operations

Dimeo, R.²⁴⁷

Development of Experimental Beam Shutter Documentation Packages

Maliszewskij, N.²⁴⁷, Dimeo, R.²⁴⁷, English, M.²⁴⁷, Brand, P.²⁴⁷, Barker, J.²⁴⁷, Brown, D.²⁵⁴

Distributed Fitting of Reflectometry Data

Kienzle, P.²⁴⁷, Doucet, M.^{470, 247}, O'Donovan, K.^{438, 247}

Efficient Data Analysis Method for Physical Models Lacking Closed Form Representation

Dimeo, R.²⁴⁷, Cappelletti, R.²⁴⁷, Chowdhuri, Z.^{470, 247}

Gamma-Ray Spectrometry for Space Applications

Lamaze, G.²⁴⁴, Paul, R.²⁴⁴, Rhodes, E.¹⁶³

Improvements of NCNR Intranet Management, Security, and Resilience

Klosowski, P.²⁴⁷, Maliszewskij, N.²⁴⁷, Munter, A.²⁴⁷

Installation of Instrument Webcams

Dickerson, W.²⁴⁷, Maliszewskij, N.²⁴⁷

Installation of New Radiation/Acoustic Shielding in the Reactor Confinement Building

Brand, P.²⁴⁷, Baltic, G.²⁴⁷, Rinehart, M.²⁴⁷, Clem, D.²⁴⁷, Nester, D.²⁴⁷

Instrument Motor Control Standardization

Kendig, D.²⁴⁷, Ziegler, J.²⁴⁷, Maliszewskij, N.²⁴⁷

Interchangeable Double Focusing Monochromators for BT7 and BT4

Smee, S.¹⁶³, Scharfstein, G.¹⁶³, Orndorff, J.¹⁶³, Hammond, R.¹⁶³, Brand, P.²⁴⁷, Maliszewskij, N.²⁴⁷

Low Background Gamma-Ray Spectrometry

Lindstrom, R.²⁴⁴

MACS - A High Intensity Cold Neutron Spectrometer for NIST

Broholm, C.^{163, 247}, Barkhouser, R.¹⁶³, Orndorff, J.¹⁶³, Pike, T.^{163, 247}, Hundertmark, P.^{163, 247}, Scharfstein, G.¹⁶³, Smee, S.¹⁶³, Brand, P.²⁴⁷, Lynn, J.²⁴⁷, Gallagher, P.²⁴⁷, Schroder, I.²⁴⁷, Brocker, C.^{470, 247}, Cook, J.^{470, 247}, Pierce, D.²⁴⁷, Moyer, J.^{470, 247}, Larock, J.²⁴⁷

Metallurgy of Bismuth Filters for the Filter Analyzer Spectrometer

Udovic, T.²⁴⁷, Leao, J.²⁴⁷, Fields, R.²⁵³, Brand, P.²⁴⁷

Modular Electronics Package for Stepper Motor Operation

Ziegler, J.²⁴⁷, Kendig, D.²⁴⁷, Maliszewskij, N.²⁴⁷

Neutron Spin Echo Data Reduction Software

Kneller, L.^{470, 247}, Bossev, D.^{470, 247}, Rosov, N.²⁴⁷

New Data Acquisition Software for the Small Angle Neutron Scattering Instruments

Pheiffer, S.²⁴⁷, Maliszewskij, N.²⁴⁷, Butler, P.²⁴⁷

New Thermal Neutron Prompt Gamma Ray Activation Analysis Facility at VT-5

Mackey, E.²⁴⁴, Lindstrom, R.²⁴⁴, Anderson, D.⁹³, Liposky, P.²⁴⁷

NIST - SNS Collaboration on the NeXus Exchange Data Format

Klosowski, P.²⁴⁷, Peterson, P.²⁷⁰, Osborn, R.²⁴

Parameter Estimation of Various Diffusion Models Using Monte-Carlo Methods

Dimeo, R.²⁴⁷, Pivovar, A.²⁴⁷

Preliminary Studies of a Neutron Resonance Spin Echo Spectrometer

Cook, J.^{470, 247}, Schroder, I.²⁴⁷, Neumann, D.²⁴⁷

Reflectivity Data Reduction and Model Fitting

Kienzle, P.²⁴⁷, O'Donovan, K.^{438, 247}, Borchers, J.²⁴⁷

Standardized Remote Control of Neutron Linear and Area Detectors

Doucet, M.^{470, 247}, Ziegler, J.²⁴⁷, Maliszewskij, N.²⁴⁷

The BT-7 Double Focusing Triple-Axis Spectrometer

Wrenn, C.^{470, 247}, Murbach, M.^{470, 247}, Brand, P.²⁴⁷, Brocker, C.^{470, 247},
Lynn, J.²⁴⁷, Baltic, G.²⁴⁷, Clem, D.²⁴⁷, Gue, M.²⁴⁷, Johnson, D.²⁴⁷,
Rhinehart, M.²⁴⁷, Slifer, S.²⁴⁷, Maliszewskij, N.²⁴⁷

Thermal Shield Cooling System Analysis

McDonald, M.²⁴⁷, Brown, D.²⁴⁷, Brand, P.²⁴⁷

Upgrade of BT-1 Detection Electronics

Ziegler, J.²⁴⁷, Johnson, D.²⁴⁷, Toby, B.²⁴⁷, Larock, J.²⁴⁷

New Developments in NDP

Chen-Mayer, H.²⁴⁴, Lamaze, G.²⁴⁴

Proprietary Research on Steel

Keuhmann, C.⁸⁸², Barker, J.²⁴⁷

Quality Assurance Improvements for NAA

Spatz, R.²⁴⁴, Becker, D.²⁴⁴, Greenberg, R.²⁴⁴, Lindstrom, R.²⁴⁴,
Mackey, E.²⁴⁴, Zeisler, R.²⁴⁴, Paul, R.²⁴⁴

Reactor Characterization for NAA

Becker, D.²⁴⁴, Lindstrom, R.²⁴⁴, Zeisler, R.²⁴⁴

Vibrational Spectra of Bismuth Filter Materials

Udovic, T.²⁴⁷, Leao, J.²⁴⁷, Brown, C.^{470, 247}, Zeitoun, R.⁴⁷⁰

Neutron Physics

Accurate Determination of Neutron Capture Flux

Dewey, M.²⁵⁰, Arif, M.²⁵⁰, Gilliam, D.²⁵⁰, Nico, J.²⁵⁰, Snow, W.¹³⁰,
Hansen, G.¹³⁰, Huffman, P.²⁶²

Homeland Security

Gilliam, D.²⁵⁰, Dewey, M.²⁵⁰, Nico, J.²⁵⁰, Thompson, A.²⁵⁰, Fisher, B.³⁹¹,
Heimbach, C.²⁵⁰, Arif, M.²⁵⁰

LASER Polarization of ³He for Neutron Spin Filters and Medical MRI

Gentile, T.²⁵⁰, Thompson, A.²⁵⁰, Jones, G.¹¹¹, Snow, W.¹³⁰, Chen, W.¹³⁰

Monochromator Development

Mildner, D.²⁴⁷, Lynn, J.²⁴⁷

Neutron Calibrations

Thompson, A.²⁵⁰, Dewey, M.²⁵⁰, Nico, J.²⁵⁰, Gilliam, D.²⁵⁰, Heimbach, C.²⁵⁰

Neutron Calorimetry

Hansen, G.¹³⁰, Snow, W.¹³⁰, Nico, J.²⁵⁰, Dewey, M.²⁵⁰, Huffman, P.²⁶²

Neutron Imaging

Jacobson, D.²⁵⁰, Arif, M.²⁵⁰, Hussey, D.²⁵⁰, Messier, J.⁸⁵⁹, Huffman, P.²⁶²

Neutron Interferometry and Optics

Arif, M.²⁵⁰, Jacobson, D.²⁵⁰, Werner, S.⁴⁷⁸, Schoen, K.⁴⁷⁸, Huffman, P.²⁶²,
Thompson, A.²⁵⁰, Snow, W.¹³⁰, Wietfeldt, F.³⁹¹, Black, T.⁸⁶⁰, Huber, M.³⁹¹,
Pushin, D.¹⁹⁷, Do, K.¹⁹⁷, Hussey, D.²⁵⁰, Lemmel, H.⁵⁵⁵, Rofner, A.⁵⁵⁵

Suitability of Zircaloy-4 as a Band-Pass Filter for $\lambda_n > 6\text{\AA}$ EXPERIMENTS

Cook, J.^{470, 247}, Schroder, I.²⁴⁷, Chowdhuri, Z.^{470, 247}

Symmetries and Parameters of the Weak Nuclear Interaction

Nico, J.²⁵⁰, Dewey, M.²⁵⁰, Gentile, T.²⁵⁰, Thompson, A.²⁵⁰, Huffman, P.²⁶²,
Snow, W.¹³⁰, Doyle, J.¹¹³, Golub, R.¹⁰⁹, Wietfeldt, F.³⁹¹, Chupp, T.⁵⁰⁷,
Mumm, H.²⁵⁰, Gilliam, D.²⁵⁰, Trull, R.³⁹¹, Jones, G.¹¹¹, Coulter, K.⁴⁷⁶,
Cooper, R.⁴⁷⁶, Garcia, A.⁵⁰⁷

Trapping of Ultra Cold Neutrons

Huffman, P.²⁶², Thompson, A.²⁵⁰, Doyle, J.¹¹³, Lamoreaux, S.¹⁸⁸, Golub, R.¹⁰⁹,
Dewey, M.²⁵⁰, Dzhosyuk, S.¹¹³, Coakley, K.²⁵⁸, Korobkina, E.¹⁰⁹, Yang, L.¹¹³,
Mumm, H.²⁵⁰, Kreft, T.³⁹¹

Materials Analysis

Analytical Applications of Cold Neutrons

Spatz, R.²⁴⁴, Chen-Mayer, H.²⁴⁴, Greenberg, R.²⁴⁴, Lamaze, G.²⁴⁴,
Langland, J.²⁴⁴, Lindstrom, R.²⁴⁴, Mackey, E.²⁴⁴, Mildner, D.²⁴⁷, Paul, R.²⁴⁴

Bio-Analytical and Specimen Bank Research

Greenberg, R.²⁴⁴, Mackey, E.²⁴⁴, Porter, B.²⁴⁴, Zeisler, R.²⁴⁴, Spatz, R.²⁴⁴

Certification of Standard Reference Materials by Neutron Activation Analysis

Spatz, R.²⁴⁴, Greenberg, R.²⁴⁴, Lindstrom, R.²⁴⁴, Mackey, E.²⁴⁴, Zeisler, R.²⁴⁴,
Paul, R.²⁴⁴

Characterization of Submicrometer Aerosol Particles

Ondov, J.⁴⁷⁰, Zeisler, R.²⁴⁴, Spatz, R.²⁴⁴

Development of Polycrystalline Bismuth Filters

Udovic, T.²⁴⁷, Leao, J.²⁴⁷, Brown, C.^{470, 247}, Zeitoun, R.⁴⁷⁰, Neumann, D.²⁴⁷

Evaluation of Errors and Interferences in NAA

Becker, D.²⁴⁴, Blackman, M.²⁴⁴, Greenberg, R.²⁴⁴, Lindstrom, R.²⁴⁴,
Zeisler, R.²⁴⁴, Paul, R.²⁴⁴

Hydrogen Detection in Hydrothermally Synthesized BaTiO₃ Powder

Atakan, V.³¹⁵, Lindstrom, R.²⁴⁴, Paul, R.²⁴⁴

Hydrogen in Niobium for Particle Accelerator Applications

Lindstrom, R.²⁴⁴, Fields, R.²⁵³, Myneni, G.⁸⁵⁸

Improvements to INAA Methodology

Spatz, R.²⁴⁴, Becker, D.²⁴⁴, Greenberg, R.²⁴⁴, Lindstrom, R.²⁴⁴,
Mackey, E.²⁴⁴, Zeisler, R.²⁴⁴

Impurities in Sapphire Crystals for the Next Generation LIGO

Mackey, E.²⁴⁴, Lamaze, G.²⁴⁴, McGuire, S.³²⁸

Neutron Transmutation Doping for Microelectronics

Lindstrom, R.²⁴⁴, Dura, J.²⁴⁷, Golding, T.⁵⁵⁶

Affiliations

15	ALCOA Laboratories	234	National Tsing Hua University
24	Argonne National Laboratory	235	Naval Research Laboratory
25	Arizona State University	244	NIST, Analytical Chemistry Division
28	Auburn University	245	NIST, Biotechnology Division
29	Australian Nuclear Science and Technology Organization	246	NIST, Building and Fire Research Laboratory
30	Battelle-Pacific Northwest National Laboratory	247	NIST, Center for Neutron Research
37	Binghamton University-State University of New York	248	NIST, Ceramics Division
39	Boeing Company - St. Louis	250	NIST, Ionizing Radiation Division
42	Brookhaven National Laboratory	251	NIST, Manufacturing Metrology Division
43	Brown University	253	NIST, Metallurgy Division
44	California Institute of Technology	254	NIST, Occupational Health and Safety Division
48	Carnegie Mellon University	255	NIST, Polymers Division
50	CEA - Centre de Saclay	258	NIST, Statistical Engineering Division
51	Center for Advanced Research in Biotechnology	259	NIST, Surface and Microanalysis Science Division
53	Central Research Institute of Electric Power Industry	262	North Carolina State University
55	Centre National de la Recherche Scientifique	265	Northern Illinois University
57	Chalk River Laboratories	266	Northwestern University
59	Clark University	269	Oak Ridge Institute for Science and Education
61	Clemson University	270	Oak Ridge National Laboratory
62	Colorado School of Mines	271	Oberlin College
63	Colorado State University	275	Ohio State University
64	Columbia University	276	Ohio University
66	Comision Nacional de Energia Atomica	279	Oregon State University
67	Commissariat a l'Energie Atomique	284	Pacific Northwest National Laboratory
68	Rhodia, Inc.	285	Paul Scherrer Institute
70	Cornell University	287	Pennsylvania State University
71	Cracow University of Technology	289	Philips Research Laboratories
72	Curtin University of Technology	290	Polish Academy of Sciences
77	Duke University	294	Princeton University
79	DuPont	296	Purdue University
81	DuPont Marshall Laboratory	302	Rensselaer Polytechnic Institute
82	Eastman Kodak Company	306	Rice University
87	ExxonMobil	308	Rochester Institute of Technology
89	Federal Highway Administration	309	Rohm and Haas Company
91	Florida Atlantic University	311	Royal Institute of Technology
92	Florida State University	315	Rutgers - The State University of New Jersey
93	Food and Drug Administration	318	Saint Francis Xavier University
94	Ford Motor Company	319	Saitama University
96	Forschungszentrum Juelich KFA	320	Sandia National Laboratories
97	Forschungszentrum Juelich GmbH	322	Seoul National University
98	Frank Laboratory of Neutron Physics	325	Simon Fraser University
103	General Motors Research and Development Center	328	Southern University
104	Georgetown University	329	Spallation Neutron Source
105	Georgia Institute of Technology	332	Stanford Linear Accelerator Center
109	Hahn-Meitner Institute	333	Stanford Synchrotron Radiation Laboratory
111	Hamilton College	334	Stanford University
113	Harvard University	337	Stony Brook, State University of New York
123	IBM Almaden Research Center	340	Syracuse University
130	Indiana University	342	Tata Institute of Fundamental Research
131	Industrial Research Limited	343	Technical University of Darmstadt
137	Institute for Energy Technology, Kjeller (Norway)	344	Technical University of Denmark
146	Institute of Physics (UK)	356	The Chinese University of Hong Kong
147	Institute of Plasma Physics (Czech)	359	The College of William & Mary
154	Iowa State University	368	The University of Alabama
163	Johns Hopkins University	370	The University of Edinburgh
166	Kent State University	371	The University of New Mexico
169	Knox College	372	The University of New South Wales
173	Kyoto Institute of Technology	373	The University of North Carolina at Chapel Hill
174	Kyoto University	374	The University of North Carolina at Charlotte
175	Kyung Hee University	376	The University of Queensland
177	Laboratoire Leon Brillouin	379	The University of Sydney
183	Lawrence Livermore National Laboratory	381	The University of Tokyo
185	Lehigh University	385	Tohoku University
188	Los Alamos National Laboratory	387	Toyo University
189	Los Alamos Neutron Science Center	391	Tulane University
190	Louisiana State University	392	U.S. Army Medical Research Institute of Infectious Diseases
193	Lucent Technologies	393	U.S. Army Research Laboratory
197	Massachusetts Institute of Technology	394	U.S. Department of Energy
199	McGill University	399	Unilever Research, US
200	McMaster University	400	Universidad de la Republica, Uruguay
207	Michigan State University	401	Universidad de Puerto Rico
211	Montana State University	403	Universidad del Pais Vasco
213	Moscow Institute of Steel and Alloys	414	Universitat Autonoma de Barcelona
218	National Central University (Taiwan)	429	University of Akron
222	National Institute for Materials Science (Japan)	433	University of Bristol
227	National Institutes of Health	434	University of Buffalo, The State University of New York
230	National Research Council Canada	436	University of California, Berkeley
233	National Taiwan University	37	University of California, Davis

438	University of California, Irvine	712	Universita di Messina
440	University of California, San Diego	713	Michigan Technological University
441	University of California, Santa Barbara	717	Laboratorio Nacional de Luz Sincrotron
445	University of Chicago	718	University of Western Australia
446	University of Cincinnati	719	University of Leeds
449	University of Connecticut	722	NIST, Materials and Construction Research Division
453	University of Delaware	723	University of Sydney
457	University of Grenoble	724	Research Institute of Physics
458	University of Guelph	725	Mississippi State University
459	University of Houston	727	Hitachi Global Storage Technologies
460	University of Illinois at Urbana-Champaign	733	Universität Dortmund
470	University of Maryland at College Park	735	Polytechnic of Milan
471	University of Maryland Baltimore County	736	Technischen Universität Dresden
473	University of Massachusetts Amherst	738	Istituto dei Materiali per l'Elettronica ed il Magnetismo-IMEM (Italy)
475	University of Melbourne	739	RIKEN Harima Insitute
476	University of Michigan	740	CEA - Grenoble, DRFMC/SPSMS/MDN
477	University of Minnesota	741	Waseda University
478	University of Missouri - Columbia	742	Atomic Energy of Canada Limited
481	University of Nebraska	744	Institut für Angewandte Physik
484	University of Notre Dame	745	Universität Erlangen
486	University of Oslo	747	Université Henri Poincaré - Nancy I
488	University of Pennsylvania	754	Leibniz-Institut für Festkörper-und Werkstoffforschung
490	University of Pittsburgh	758	Max-Planck-Institut für Metallforschung
491	University of Rhode Island	761	The University of Akron
494	University of South Carolina	763	NIST, Fire Research Division
495	University of Southern California	768	Institute Laue-Langevin
499	University of Tennessee, Knoxville	778	Brigham Young University
501	University of Texas at Austin	786	University of California, Los Angeles
502	University of Toronto	792	The University of Tennessee
504	University of Uruguay	797	Geo-Centers, Inc.
505	University of Utah	798	University of Southern Denmark
506	University of Virginia	799	Universität Würzburg
507	University of Washington	802	University of Alabama - Tuscaloosa
508	University of Waterloo	803	Berliner Elektronenspeicherring - Gesellschaft für Synchrotronstrahlung m. b. H.
509	University of Wisconsin-Madison		
511	Uppsala Universitet	804	National Metrology Institute of Japan
516	Virginia Commonwealth University	805	Research Institute for Solid State Physics and Optics
517	Virginia State University	807	LMB/NIAMS/NIH/DHHS
518	Virginia Polytechnic Institute and State University	808	Seagate Technology
522	Warsaw University	809	Triton BioSystems
529	West Virginia University	810	Micromod Partikeltechnologie GmbH
555	Atominstytut der Österreichischen Universitäten	811	CNRS - Rhodia
556	University of North Texas	812	Cincinnati Children's Hospital
568	Ruhr-Universität Bochum	816	University of Nottingham
570	University of Hawaii	820	Institut für Festkörperforschung
575	Nagoya University	825	University of Ancona
580	Kansas State University	826	The University of Newcastle
588	Ames Laboratory	841	Australian National University
603	Intense Pulsed Neutron Source, Argonne National Laboratory	842	University of Orleans, France
608	Institute of Nuclear Energy Research (Taiwan)	843	University of Palermo
614	University of Florence	848	Towson State College
616	Korea Advanced Institute of Science and Technology	849	Institut für Festkörperphysik im Forschungszentrum Karlsruhe
617	Max-Planck-Institut für Festkörperforschung	850	Army Armament Research, Development and Engineering Center
630	Universita degli studi di Messina	851	Hunter Colleger, City University of New York
637	GE Aircraft Engines	852	Nanoelectronics Research Institute
638	Ioffe Physico Technical Institute	853	Vilnius Pedagogical University
640	Bucknell University	854	Rowan University
641	Institute of Physics, Chinese Academy of Science	855	Harlow, Inc.
649	Centre de Recherche sur la Matiere Divisee	856	Japan Synchrotron Radiation Institute (Spring-8)
650	Technical University of Munich	857	Argonne National Laboratory, Advanced Photon Source
662	Pontifica Universidad Catolica de Chile	858	Thomas Jefferson Laboratory
668	K-JIST (Korea)	859	Gettysburg College
676	University of Tokyo	860	University of North Carolina at Wilmington
680	National Institute of Health (NIH)	861	Universidad Politécnica de Madrid
685	U.S. Steel Corporation	862	Cessna Aircraft Co.
686	Third Wave Systems, Inc.	863	Wichita State University
687	Department of Transportation, Cambridge, MA	864	Brookhaven National Laboratory - National Synchrotron Light Source
690	Institut Laue-Langevin	865	University of Vienna (Universität Wien)
691	University of Warwick	866	CNRS - Grenoble
694	Jet Propulsion Laboratory, NASA	868	Universität Zurich
697	University of Nevada - Reno	869	Universität Hamburg
698	Indiana University of Pennsylvania	870	RC TRITEC AG
707	New Jersey Institute of Technology	871	University de Bordeaux
708	International Flavors and Fragrances, Inc.	873	University of Arizona
710	National Cancer Institute	874	National Institute on Alcohol Abuse and Alcoholism
711	NIST, Materials and Construction Research Division	875	Max-Planck-Institut für Polymerforschung

876 Lafayette College
877 National Aeronautics and Space Administration, Glenn Research Center
878 Triton Business Systems
879 Ecole Polytechnique
881 CEA - Centre de Grenoble
882 Questek Innovations, LLC
883 The Institute for Nanotechnology
884 New York University
885 Johns Hopkins Medical Institutions
886 Aberdeen Proving Ground
887 Pohang University of Science and Technology (Korea)
890 Max Planck Institute of Colloids and Interfaces