title	author	*journal*	vol	page	year	type	order	primary data
Directionally controlled superconductivity in ferromagnet/superconductor/ferromagnet trilayers with	C. Visani, N. Nemes, M. Rocci, Z. Sefrioui, C. Leon, S. Te Velthuis, A. Hoffmann, M. Fitzsimmons, F. Simon and T.	*Physical Review B*	**81**	94512	2010	journal		1 Asterix
Dynamical theory calculations of spin-echo resolved grazing-incidence scattering from a diffraction grating	R. Ashkar, P. Stonaha, A. Washington, V. Shah, M. Fitzsimmons, B. Maranville, C. Majkrzak, W. Lee, W.	*Journal of Applied Crystallography*	**43**	455	2010	journal		1 Asterix
Some recent results using spin echo resolved grazing incidence scattering (SERGIS)	R. Pynn, R. Ashkar, P. Stonaha and A. Washington	*Physica B: Condensed Matter*	**406**	2350	2010	journal		1 Asterix
Neutron cross-sections for next generation reactors: New data from n_TOF	Colonna, N; Abbondanno, U; et al	*Applied Radiation and Isotopes*	**68**	643	2010	journal		1 DANCE
Neutron physics of the Re/Os clock. III. Resonance analyses and stellar (n, gamma) cross sections of Os-	Fujii, K; Mosconi, M; Mengoni, A; Domingo-Pardo, C; Kappeler, F; et al	*Physical Review C*	**82**	15804	2010	journal		1 DANCE
Mass/yield distributions of fission products from photo-fission of nat Pb induced by 50ñ70 MeV	H. Naik, G. Kim, A. Goswami, S. Singh, V. K. Manchanda, D. Raj, S. Ganesan, Y. D. Oh, H. S. Lee and K. S. Kim	*Journal of Radioanalytical and Nuclear Chemistry*	**283**	439	2010	journal		1 DANCE
Isospin effects in Ca-40,Ca-48+Ca-40,Ca-48 collisions	Henzl, V; Henzlova, D; Kilburn, M; Verde, G; et al	*Nuclear Physics A*	**834**	552C	2010	journal		1 DANCE
Au-197(n,gamma) cross section in the resonance region	Massimi, C; Domingo-Pardo, C; Vannini, G; Audouin, L; Guerrero, C; et al	*Physical Review C*	**81**	44616	2010	journal		1 DANCE
Neutron physics of the Re/Os clock. I. Measurement of the (n, gamma) cross sections of Os-186,Os-	Mosconi, M; Fujii, K; Mengoni, A; Domingo-Pardo, C; Kappeler, F; et al	*Physical Review C*	**82**	15802	2010	journal		1 DANCE
Neutron-induced fission cross section of U-234 and Np-237 measured at the CERN Neutron Time-of-Flight	Paradela, C; Tassan-Got, L; et al	*Physical Review C*	**82**	34601	2010	journal		1 DANCE
Monte Carlo Simulation for Particle and -Ray Emissions in Statistical Hauser-Feshbach Model	T. Kawano, P. Talou, M. B. Chadwick and T. Watanabe	*Journal of Nuclear Science and Technology*	**47**	462	2010	journal		1 DANCE
The Zr-92(n,gamma) reaction and its implications for stellar nucleosynthesis	Tagliente, G; Milazzo, PM; Fujii, K; et al	*Physical Review C*	**81**	55801	2010	journal		1 DANCE
Nano-synthesis and nano-machanics of diamond composites and its petroleum drilling applications	D. He, Y. Zhao and A. J. Hurd	*New Chemical Materials*	**38**	1	2010	journal		1 EXTERNAL
Neutron scattering and protein dynamics	Frauenfelder, H; Mezei, F	*Acta Crystallographica Section D-Biological*	**66**	1229	2010	journal		1 EXTERNAL
Internal magnetic structure of magnetite nanoparticles at low temperature	K. Krycka, J. Borchers, R. Booth, C. Hogg, Y. Ijiri, W. Chen, S. Watson, M. Laver, T. Gentile and S. Harris	*Journal of Applied Physics*	**107**	98525	2010	journal		1 EXTERNAL
Core-Shell Magnetic Morphology of Structurally Uniform Magnetite Nanoparticles	K. Krycka, R. Booth, C. Hogg, Y. Ijiri, J. Borchers, W. Chen, S. Watson, M. Laver, T. Gentile and L. Dedon	*Physical Review Letters*	**104**	207203	2010	journal		1 EXTERNAL
Production of neutron-rich fragments with neutron number N> Nprojectile in the reaction 48Ca (60	S. Lukyanov, F. de Oliveira Santos, C. Borcea, G. Adamyan, M. Assie, R. Astabatyan, R. Borcea, A. Buta, L. Caceres and	*Journal of Physics G: Nuclear and Particle Physics*	**37**	105111	2010	journal		1 EXTERNAL
The nature of intermediate-range order in Ge-As-S glasses: results from reverse Monte Carlo modeling	Soyer-Uzun, S; Benmore, CJ; Siewenie, JE; Sen, S	*Journal of Physics-Condensed Matter*	**22**	115404	2010	journal		1 EXTERNAL
Hexagonal Molybdenum Trioxide‖ Known for 100 Years and Still a Fount of New Discoveries	H. J. Lunk, H. Hartl, M. A. Hartl, M. J. G. Fait, I. G. Shenderovich, M. Feist, T. A. Frisk, L. L. Daemen, D.	*Inorganic Chemistry*	**49**	9400	2010	journal		1 FDS
Charge Transfer via the Dative N-B Bond and Dihydrogen Contacts. Experimental and Theoretical	Mebs, S; Grabowsky, S; Forster, D; Kickbusch, R; Hartl, M; Daemen, LL; Morgenroth, W; Luger, P; Paulus, B; Lentz, D	*Journal of Physical Chemistry A*	**114**	10185	2010	journal		1 FDS
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Ultracold-neutron production in a pulsed-neutron beam line	C. Lavelle, C. Y. Liu, W. Fox, G. Manus, P. McChesney, D. Salvat, Y. Shin, M. Makela, C. Morris and A. Saunders	*Physical Review C*	**82**	15502	2010	journal		1 FP12
Scattering law of a magnesium hydride moderator	G. Muhrer, M. Hartl, L. Daemen, F. Tovesson, A. Schnegg, M. Russina and E. Schachinger	*Nuclear Instruments and Methods In Physics Research*	**629**	251	2010	journal		1 FP5
Aerosol synthesis and Rietveld analysis of tetragonal ([beta] 1) PdZn	E. J. Peterson, B. Halevi, B. Kiefer, M. N. Spilde, A. K. Datye, J. Peterson, L. Daemen, A. Llobet and H. Nakotte	*Journal of Alloys and Compounds*	**509**	1463	2010	journal		1 HIPD
Neutron diffraction study of p-phenylene oligomer molecules adsorbed onto graphite	E. Kintzel Jr, K. Herwig and S. Rols	*Thin Solid Films*	**518**	3786	2010	journal		1 HIPD
Modeling the structural evolution of carbide-derived carbons using quenched molecular dynamics	J. Palmer, A. Llobet, S. H. Yeon, J. Fischer, Y. Shi, Y. Gogotsi and K. Gubbins	*Carbon*	**48**	1116	2010	journal		1 HIPD
Thermal expansion and decomposition of jarosite: a high-temperature neutron diffraction study	Xu, HW; Zhao, YS; Vogel, SC; Hickmott, DD; Daemen, LL; Hartl, MA	*Physics and Chemistry of Minerals*	**37**	73	2010	journal		1 HIPD, HIPPO
Total-scattering descriptions of local and cooperative distortions in the oxide spinel Mg_ {1- x} Cu_ {x} Cr_	D. P. Shoemaker and R. Seshadri	*Physical Review B*	**82**	214107	2010	journal		1 HIPD, NPDF
Texture coefficients for the simulation of cordierite thermal expansion: A comparison of different	A. M. Efremov, G. Bruno and B. R. Wheaton	*Journal of The European Ceramic Society*	**31**	281	2010	journal		1 HIPPO
Preferential Substitution of Barium in Orthorhombic Lead Metaniobate	B. J. Iverson, E. B. Slamovich and K. J. Bowman	*Ferroelectrics*	**408**	9	2010	journal		1 HIPPO
In situ observation of the reaction of scandium and carbon by neutron diffraction	E. A. Juarez-Arellano, B. Winkler, S. C. Vogel, A. Senyshyn, D. R. Kammler and M. Avalos-Borja	*Journal of Alloys and Compounds*	**41**	50	2010	journal		1 HIPPO
Determination of the crystal structure of the phase in the Fe-Al system by high-temperature neutron	F. Stein, S. Vogel, M. Eumann and M. Palm	*Intermetallics*	**18**	150	2010	journal		1 HIPPO
Rietveld texture analysis from TOF neutron diffraction data	H. R. Wenk, L. Lutterotti and S. Vogel	*Powder Diffraction*	**25**	283	2010	journal		1 HIPPO
In situ analysis of LiFePO batteries: Signal extraction by multivariate analysis	M. A. Rodriguez, M. H. Van Benthem, D. Ingersoll, S. C. Vogel and H. M. Reiche	*Powder Diffraction*	**25**	143	2010	journal		1 HIPPO
Texture inheritance and variant selection through an hcp-bcc-hcp phase transformation	M. Daymond, R. Holt, S. Cai, P. Mosbrucker and S. Vogel	*Acta Materialia*	**58**	4053	2010	journal		1 HIPPO
Anisotropic response of high-purity [alpha]-titanium: Experimental characterization and constitutive	M. E. Nixon, O. Cazacu and R. A. Lebensohn	*International Journal of Plasticity*	**26**	516	2010	journal		1 HIPPO
High-temperature neutron diffraction and the temperature-dependent crystal structures of the MAX	N. J. Lane, S. C. Vogel and M. W. Barsoum	*Physical Review B*	**82**	174109	2010	journal		1 HIPPO
Investigation of deformation twinning in a fine-grained and coarse-grained ZM20 Mg alloy: Combined in situ	O. Mur·nsky, M. Barnett, D. Carr, S. Vogel and E. Oliver	*Acta Materialia*	**58**	1503	2010	journal		1 HIPPO
On the correlation between deformation twinning and L_ders-like deformation in an extruded Mg alloy: In situ	O. Murinsky, M. Barnett, V. Luzin and S. Vogel	*Materials Science and Engineering: A*	**527**	1383	2010	journal		1 HIPPO
Micro-structural characterization of laboratory heats of the Ferric/Martensitic steels HT-9 and T91	P. Hosemann, S. Kabra, E. Stergar, M. Cappillo and S. Maloy	*Journal of Nuclear Materials*	**403**	7	2010	journal		1 HIPPO
Texture crossover: Trace from multiple grains to a subgrain	R. I. Barabash and E. Huang	*Materials Science and Engineering: A*	**528**	3	2010	journal		1 HIPPO
Pressure induced structural changes in the potential hydrogen storage compound ammonia borane: A	R. S. Kumar, X. Ke, J. Zhang, Z. Lin, S. C. Vogel, M. Hartl, S. Sinogeikin, L. Daemen, A. L. Cornelius and C. Chen	*Chemical Physics Letters*	**495**	203	2010	journal		1 HIPPO
Reduction and Analysis of Two-Dimensional Diffraction Data Including Texture Analysis	S. C. Vogel	*NATO Science for Peace and Security Series B: Physics and Biophysics*	**0**	123	2010	journal		1 HIPPO
Investigation of the phase in the FeAl system by high-temperature neutron diffraction	S. C. Vogel, F. Stein and M. Palm	*Applied Physics A: Materials Science & Processing*	**99**	607	2010	journal		1 HIPPO
High-pressure neutron diffraction studies at LANSCE	Y. Zhao, J. Zhang, H. Xu, K. A. Lokshin, D. He, J. Qian, C. Pantea, L. L. Daemen, S. C. Vogel and Y. Ding	*Applied Physics A: Materials Science & Processing*	**99**	585	2010	journal		1 HIPPO, HIPD
Neutron powder diffraction and first-principles computational studies of CuLixMg2-x (x0. 08), CuMg2,	M. Braga, J. Ferreira, J. Siewenie, T. Proffen, S. Vogel and L. Daemen	*Journal of Solid State Chemistry*	**183**	10	2010	journal		1 HIPPO, NPDF
A versatile automated sample changer for texture measurements on the high pressure-preferred	H. Reiche and S. Vogel	*Review of Scientific Instruments*	**81**	93302	2010	journal		1 HIPPO, Pharos
Intergranular Strain Evolution in a Zircaloy-4 Alloy with Basketweave Morphology	E. Garlea, B. Clausen, E. Kenik, D. Ciurchea, S. Vogel, J. W. L. Pang and H. Choo	*Metallurgical and Materials Transactions A*	**41**	1255	2010	journal		1 HIPPO, SMARTS
Twinning in structural material with a hexagonal close-packed crystal structure	M. Preuss, J. Q. da Fonseca, V. Allen, D. Prakash and M. Daymond	*The Journal of Strain Analysis For Engineering Design*	**45**	377	2010	journal		1 HIPPO, SMARTS
Modeling lattice strain evolution at finite strains and experimental verification for copper and stainless steel	Neil, CJ; Wollmershauser, JA; Clausen, B; Tome, CN; Agnew, SR	*International Journal of Plasticity*	**26**	1772	2010	journal		1 HIPPO, SMARTS
In-Situ Neutron Diffraction Study of the Bauschinger Effect in B2 Structured CoZr	R. Mulay, B. Clausen and S. Agnew	*Metallurgical and Materials Transactions A*	**42**	60	2010	journal		1 HIPPO, SMARTS
Dynamic processes of domain switching in lead zirconate titanate under cyclic mechanical loading by	S. Pojprapai Imlao, Z. Luo, B. Clausen, S. C. Vogel, D. W. Brown, J. Russel and M. Hoffman	*Acta Materialia*	**58**	1897	2010	journal		1 HIPPO, SMARTS
Influence of Thermo-Mechanical Parameters on Texture and Tensile Behavior of Friction-Stir-	Z. Yu, H. Choo, Z. Feng and S. C. Vogel	*Scripta Materialia*	**63**	1112	2010	journal		1 HIPPO, SMARTS
Fabric development in a middle Devonian intraoceanic subduction regime: the CareÛn ophiolite (northwest	J. G. Barreiro, J. R. M. Catal·n, D. Prior, H. Wenk, S. Vogel, F. D. Garcla, R. Arenas, S. S. Martlnez and I. Lonardelli	*The Journal of Geology*	**118**	163	2010	journal		1 HIPPO, SPEAR

One-step room-temperature synthesis of fibrous polyimide aerogels from anhydrides and isocyanates	C. Chidambareswarapattar, Z. Larimore, C. Sotiriou-Leventis, J. T. Mang and N. Leventis	*J. Mater. Chem.*	**20**	9666	2010 journal	1 LQD
Thermally stable nanoporous palladium alloy powders by hydrogen reduction in surfactant templates	D. B. Robinson, M. E. Langham, S. J. Fares, M. D. Ong, B. W. Jacobs, W. M. Clift, J. K. Murton, R. P. Hjelm and M. S.	*International Journal of Hydrogen Energy*	**35**	5423	2010 journal	1 LQD
The Couette configuration of the Los Alamos Neutron Science Center Neutron Rheometer for the	E. J. Yearley, L. A. Sasa, C. F. Welch, M. A. Taylor, K. M. Kupcho, R. D. Gilbertson and R. P. Hjelm	*Review of Scientific Instruments*	**81**	45109	2010 journal	1 LQD
Study of Enzymatic Digestion of Cellulose by Small Angle Neutron Scattering	Kent, MS; Cheng, G; Murton, JK; Carles, EL; Dibble, DC; Zendejas, F; Rodriquez, MA; Tran, H; Holmes, B; Simmons,	*Biomacromolecules*	**11**	357	2010 journal	1 LQD
Review: Non-Pd BCC alloy membranes for industrial hydrogen separation	M. Dolan	*Journal of Membrane Science*	**362**	12	2010 journal	1 LQD
Measurement of Porosity in a Composite High Explosive as a Function of Pressing Conditions by	Mang, JT; Hjelm, RP; Francois, EG	*Propellants Explosives Pyrotechnics*	**35**	7	2010 journal	1 LQD
Decoration of microtubules in solution by the kinesin-14, Ncd	R. P. Hjelm, B. Stone, R. Fletterick and R. Mendelson	*Acta Crystallographica Section D-Biological*	**66**	1218	2010 journal	1 LQD
Experimental study of potential neutron moderator materials	M. Mocko, L. Daemen, M. Hartl, T. Huegle and G. Muhrer	*Nuclear Instruments and Methods In Physics Research*	**624**	173	2010 journal	1 LQD, Spallation
The Los Alamos Neutron Science Center neutron rheometer in the cone and plate geometry to examine	L. A. Sasa, E. J. Yearley, C. F. Welch, M. A. Taylor, R. D. Gilbertson, C. Hammeter, J. Majewski and R. P. Hjelm	*Review of Scientific Instruments*	**81**	55102	2010 journal	1 LQD, SPEAR
The Effects of Temperature on the Local Structure of Metakaolin Based Geopolymer Binder: A Neutron Pair	C. E. White, J. L. Provis, T. Proffen and J. S. J. Van Deventer	*Journal of The American Ceramic Society*	**93**	3486	2010 journal	1 NPDF
Combining density functional theory (DFT) and pair distribution function (PDF) analysis to solve the	C. E. White, J. L. Provis, T. Proffen, D. P. Riley and J. S. J. van Deventer	*Phys. Chem. Chem. Phys.*	**12**	3239	2010 journal	1 NPDF
Density functional modeling of the local structure of kaolinite subjected to thermal dehydroxylation	C. E. White, J. L. Provis, T. Proffen, D. P. Riley and J. S. J. van Deventer	*The Journal of Physical Chemistry A*	**114**	4988	2010 journal	1 NPDF
Extracting differential pair distribution functions using MIXSCAT	C. Wurden, K. Page, A. Llobet, C. E. White and T. Proffen	*Journal of Applied Crystallography*	**43**	635	2010 journal	1 NPDF
In-situ neutron scattering study of crystallization in a Zr-based bulk metallic glass	D. Ma, A. D. Stoica, X. L. Wang, Z. P. Lu and T. Proffen	*Applied Physics A: Materials Science & Processing*	**99**	537	2010 journal	1 NPDF
Atomic displacements in the charge ice pyrochlore Bi_ {2} Ti_ {2} O_ {6} O^{ } studied by neutron total	D. P. Shoemaker, R. Seshadri, A. L. Hector, A. Llobet, T. Proffen and C. J. Fennie	*Physical Review B*	**81**	144113	2010 journal	1 NPDF
Entropically Stabilized Local Dipole Formation in Lead Chalcogenides	E. S. Bozin, C. D. Malliakas, P. Souvatzis, T. Proffen, N. A. Spaldin, M. G. Kanatzidis and S. J. L. Billinge	*Science*	**330**	1660	2010 journal	1 NPDF
Neutron diffraction and reverse Monte Carlo modelling of nu-B2O3 and 75B(2)O(3)-25Na(2)O glasses	Fabian, M; Svab, E; Proffen, T; Veress, E	*Journal of Non-Crystalline Solids*	**356**	441	2010 journal	1 NPDF
Rhombohedrally Distorted -Brasses Cr1- x Fe x Ga	H. Ko, O. Gourdon, D. Gout, E. D. Mun, S. Thimmaiah and G. J. Miller	*Inorganic Chemistry*	**49**	11505	2010 journal	1 NPDF
Ferroelectric-relaxor crossover in Ba (Ti_ {1- x} Zr_ {x}) O_ {3} studied using neutron total scattering	I. K. Jeong, C. Park, J. Ahn, S. Park and D. Kim	*Physical Review B*	**81**	214119	2010 journal	1 NPDF
Nature of magnetoelastic coupling with the isovalent substitution at the B-site in LaCo_ {1- y} B_ {y} O_ {3}	J. Yu, K. Kamazawa and D. Louca	*Physical Review B*	**82**	224101	2010 journal	1 NPDF
Development of sample holder for in situ neutron measurement of hydrogen absorbing alloy	K. Iwase, K. Mori, Y. Hishinuma, Y. Hasegawa, S. Iimura, H. Ishikawa, T. Kamoshida and T. Ishigaki	*International Journal of Hydrogen Energy*	**81**	184417	2010 journal	1 NPDF
Ionic Conductivity and Structural Properties of Lithium Lanthanum Titanate Quenched into Liquid Nitrogen	K. Mori, K. Iwase, M. Yonemura, J. Siewenie, T. Proffen, Y. Onodera, K. Itoh, M. Sugiyama, T. Kamiyama and T.	*Journal of The Physical Society of Japan Supplement*	**79**	84	2010 journal	1 NPDF
Local structure investigation of oxide ion and proton defects in Ge-apatites by pair distribution function	L. Malavasi, A. Orera, P. R. Slater, P. M. Panchmatia, M. S. Islam and J. Siewenie	*Chem. Commun.*	**47**	250	2011 journal	1 NPDF
Uranium surroundings in borosilicate glass from neutron and x-ray diffraction and RMC modelling	M. Fabian, T. Proffen, U. Ruett, E. Veress and E. Sa·b	*Journal of Physics: Condensed Matter*	**22**	404206	2010 journal	1 NPDF
Probing Local Dipoles and Ligand Structure in BaTiO3 Nanoparticles	Page, K; Proffen, T; Niederberger, M; Seshadri, R	*Chemistry of Materials*	**22**	4386	2010 journal	1 NPDF
Experimental and Computational Investigation of the Polar Ferrimagnet VOSe2O5	S. H. Kim, P. S. Halasyamani, B. C. Melot, R. Seshadri, M. A. Green, A. S. Sefat and D. Mandrus	*Chemistry of Materials*	**22**	5074	2010 journal	1 NPDF
Local crystal structure of nano-manganese-oxide gold adsorbent	S. Iikubo, H. Koyanaka, S. Shamoto, K. Takeuchi, S. Kohara, K. Kodama and C. K. Loong	*Journal of Physics and Chemistry of Solids*	**71**	1603	2010 journal	1 NPDF
Spherical Nanoparticle Effects on Atomic Pair Distribution Function	S. Shamoto	*Journal of The Physical Society of Japan*	**79**	34601	2010 journal	1 NPDF
Total scattering (in Japanese)	S. Shamoto	*Radioisotopes*	**59**	355	2010 journal	1 NPDF
Growth of Crystalline Polyaminoborane through Catalytic Dehydrogenation of Ammonia Borane on	T. He, J. Wang, G. Wu, H. Kim, T. Proffen, A. Wu, W. Li, T. Liu, Z. Xiong and C. Wu	*Chemistry A European Journal*	**16**	12814	2010 journal	1 NPDF
Preliminary neutron and X-ray crystallographic studies of equine cyanomethemoglobin	A. Kovalevsky, S. Z. Fisher, S. Seaver, M. Mustyakimov, N. Sukumar, P. Langan, T. C. Mueser and B. L. Hanson	*Acta Crystallographica Section F: Structural Biology*	**66**	474	2010 journal	1 PCS
Protonation states of histidine and other key residues in deoxy normal human adult hemoglobin by neutron	A. Kovalevsky, T. Chatake, N. Shibayama, S. Y. Park, T. Ishikawa, M. Mustyakimov, S. Z. Fisher, P. Langan and Y.	*Acta Crystallographica Section D-Biological*	**66**	1144	2010 journal	1 PCS
Macromolecular neutron crystallography at the Protein Crystallography Station (PCS)	A. Kovalevsky, Z. Fisher, H. Johnson, M. Mustyakimov, M. J. Waltman and P. Langan	*Acta Crystallographica Section D-Biological*	**66**	1206	2010 journal	1 PCS
Direct Determination of Protonation States of Histidine Residues in a 2 ≈ Neutron Structure of Deoxy-Human	A. Y. Kovalevsky, T. Chatake, N. Shibayama, S. Y. Park, T. Ishikawa, M. Mustyakimov, Z. Fisher, P. Langan and Y.	*Journal of Molecular Biology*	**398**	276	2010 journal	1 PCS
Opportunities and challenges with the growth of neutron crystallography	Adams, P; Langan, P	*Acta Crystallographica Section D-Biological*	**66**	1121	2010 journal	1 PCS
Joint X-ray and neutron refinement with phenix.refine	Afonine, PV; Mustyakimov, M; Grosse-Kunstleve, RW; Moriarty, NW; Langan, P; Adams, PD	*Acta Crystallographica Section D-Biological*	**66**	1153	2010 journal	1 PCS
A history of neutrons in biology: the development of neutron protein crystallography at BNL and LANL	B. P. Schoenborn	*Acta Crystallographica Section D-Biological*	**66**	1262	2010 journal	1 PCS
In silico studies of crystalline cellulose and its degradation by enzymes	Bellesia, G; Asztalos, A; Shen, TY; Langan, P; Redondo, A; Gnanakaran, S	*Acta Crystallographica Section D-Biological*	**66**	1184	2010 journal	1 PCS
Neutron structure and mechanistic studies of diisopropyl fluorophosphatase (DFPase)	Chen, JCH; Mustyakimov, M; Schoenborn, BP; Langan, P; Blum, MM	*Acta Crystallographica Section D-Biological*	**66**	1131	2010 journal	1 PCS
New computational tools for H/D determination in macromolecular structures from neutron data	D. Siliqi, R. Caliandro, B. Carrozzini, G. L. Cascarano and A. Mazzone	*Acta Crystallographica Section D-Biological*	**66**	1164	2010 journal	1 PCS
Neutron Structure of Human Carbonic Anhydrase II: Implications for Proton Transfer	Fisher, SZ; Kovalevsky, AY; Domsic, JF; Mustyakimov, M; McKenna, R; Silverman, DN; Langan, PA	*Biochemistry*	**49**	415	2010 journal	1 PCS
Using neutron protein crystallography to understand enzyme mechanisms	Glusker, JP; Carrell, HL; Kovalevsky, AY; Hanson, L; Fisher, SZ; Mustyakimov, M; Mason, S; Forsyth, T; Langan, P	*Acta Crystallographica Section D-Biological*	**66**	1257	2010 journal	1 PCS
Protonation states of histidine and other key residues in deoxy normal human adult hemoglobin by neutron	Kovalevsky, A; Chatake, T; Shibayama, N; Park, SY; Ishikawa, T; Mustyakimov, M; Fisher, SZ; Langan, P;	*Acta Crystallographica Section D-Biological*	**66**	1144	2010 journal	1 PCS
Metal Ion Roles and the Movement of Hydrogen during Reaction Catalyzed by D-Xylose Isomerase: A	Kovalevsky, AY; Hanson, L; Fisher, SZ; Mustyakimov, M; Mason, SA; Forsyth, VT; Blakeley, MP; Keen, DA; Wagner,	*Structure*	**18**	688	2010 journal	1 PCS
X-ray structure of perdeuterated diisopropyl fluorophosphatase (DFPase): perdeuteration of	M. M. Blum, S. J. Tomanicek, H. John, B. L. Hanson, H. Ruterjans, B. P. Schoenborn, P. Langan and J. C. H. Chen	*Acta Crystallographica Section F: Structural Biology*	**66**	379	2010 journal	1 PCS
A joint x-ray and neutron study on amicyanin reveals the role of protein dynamics in electron transfer	N. Sukumar, F. Mathews, P. Langan and V. Davidson	*Proceedings of The National Academy of Sciences*	**107**	6817	2010 journal	1 PCS
Looking at hydrogen bonds in cellulose	Nishiyama, Y; Langan, P; Wada, M; Forsyth, VT	*Acta Crystallographica Section D-Biological*	**66**	1172	2010 journal	1 PCS
Time-resolved X-ray diffraction microprobe studies of the conversion of cellulose I to ethylenediamine-	Nishiyama, Y; Wada, M; Hanson, BL; Langan, P	*Cellulose*	**17**	735	2010 journal	1 PCS
Enzymes for carbon sequestration: neutron crystallographic studies of carbonic anhydrase	S. Fisher, A. Kovalevsky, J. Domsic, M. Mustyakimov, D. Silverman, R. McKenna and P. Langan	*Acta Crystallographica Section D-Biological*	**66**	1178	2010 journal	1 PCS
Hemoglobin redux: combining neutron and X-ray diffraction with mass spectrometry to analyse the	T. C. Mueser, W. P. Griffith, A. Y. Kovalevsky, J. Guo, S. Seaver, P. Langan and B. L. Hanson	*Acta Crystallographica Section D-Biological*	**66**	1249	2010 journal	1 PCS
Neutron scattering and scaling behavior in URu_ {2} Zn_ {20} and YbFe_ {2} Zn_ {20}	C. Wang, A. D. Christianson, J. Lawrence, E. Bauer, E. Goremychkin, A. Kolesnikov, F. Trouw, F. Ronning, J.	*Physical Review B*	**82**	184407	2010 journal	1 Pharos
Unusual signatures of the ferromagnetic transition in the heavy fermion compound UMn_ {2} Al_ {20}	C. Wang, J. Lawrence, E. Bauer, K. Kothapalli, J. Gardner, F. Ronning, K. Gofryk, J. Thompson, H. Nakotte and F.	*Physical Review B*	**82**	94406	2010 journal	1 Pharos
Interaction of Hydrogen with Extraframework Cations in Zeolite Hosts Probed by Inelastic Neutron	Eckert, J; Trouw, FR; Mojet, B; Forster, P; Lobo, R	*Journal of Nanoscience and Nanotechnology*	**10**	49	2010 journal	1 Pharos
Magnetic Excitations in Infinite-Layer Antiferromagnetic Insulator	K. Tomiyasu, H. Kageyama, C. Lee, M. H. Whangbo, Y. Tsujimoto, K. Yoshimura, J. W. Taylor, A. Llobet, F. Trouw	*Journal of The Physical Society of Japan*	**79**	34707	2010 journal	1 Pharos
Studies of high-temperature electron–phonon interactions with inelastic neutron scattering and first-principles computations	O. Delaire	*Applied Physics A: Materials Science & Processing*	**99**	523	2010 journal	1 Pharos

Perspectives on How Nature Employs the Principles of Organometallic Chemistry in Dihydrogen Activation	J. C. Gordon and G. J. Kubas	*Organometallics*	**29**	4682	2010 journal	1 SCD
Effect of deuteration on the structural and magnetic properties of CuF2 (H2O) 2 (pyrazine)	J. Schlueter, H. Park, J. Manson, H. Nakotte and A. Schultz	*Physica B: Condensed Matter*	**405**	S324	2010 journal	1 SCD
Dihydrogen/Dihydride or Tetrahydride? An Experimental and Computational Investigation of	T. J. Hebden, K. I. Goldberg, D. M. Heinekey, X. Zhang, T. J. Emge, A. S. Goldman and K. Krogh-Jespersen	*Inorganic Chemistry*	**49**	1733	2010 journal	1 SCD
The role of residual stress in the tension and compression response of WC-Ni	A. Krawitz, E. Drake and B. Clausen	*Materials Science and Engineering: A*	**527**	3595	2010 journal	1 SMARTS
On the kinking nonlinear elastic deformation of cobalt	A. Zhou, D. Brown, S. Vogel, O. Yeheskel and M. Barsoum	*Materials Science and Engineering: A*	**527**	4664	2010 journal	1 SMARTS
Strain and stress tensors of rolled uranium plate by Rietveld refinement of TOF neutron-diffraction data	D. Balzar, N. Popa and S. Vogel	*Materials Science and Engineering: A*	**528**	122	2010 journal	1 SMARTS
Deformation Of Shape Memory Alloys Under Biaxial Loading	D. Brown, C. Tupper, V. Raj, D. Korzekwa and S. Thomas	*Journal of The Minerals, Metals and Materials Society*	**Feb**	14	2010 journal	1 SMARTS
Hydride-Phase Formation and its Influence on Fatigue Crack Propagation Behavior in a Zircaloy-4 Alloy	E. Garlea, H. Choo, G. Y. Wang, P. K. Liaw, B. Clausen, D. W. Brown, J. Park, P. D. Rack and E. A. Kenik	*Metallurgical and Materials Transactions A*	**41**	2816	2010 journal	1 SMARTS
Fatigue-induced reversible/irreversible structural-transformations in a Ni-based superalloy	E. Huang	*International Journal of Plasticity*	**26**	1124	2010 journal	1 SMARTS
Microcrack orientation in porous aluminum titanate	G. Bruno, A. Efremov, B. Wheaton and J. Webb	*Acta Materialia*	**58**	6649	2010 journal	1 SMARTS
Evidence for and calculation of micro-strain in porous synthetic cordierite	G. Bruno, A. M. Efremov and D. W. Brown	*Scripta Materialia*	**63**	285	2010 journal	1 SMARTS
Connecting the macro-and microstrain responses in technical porous ceramics: modeling and experimental	G. Bruno, A. M. Efremov, A. N. Levandovskyi and B. Clausen	*Journal of Materials Science*	**46**	161	2010 journal	1 SMARTS
Detwinning of High-Purity Zirconium: In-Situ Neutron Diffraction Experiments	G. Proust, G. Kaschner, I. Beyerlein, B. Clausen, D. Brown, R. McCabe and C. TomÉ	*Experimental Mechanics*	**50**	125	2010 journal	1 SMARTS
Characterization of the microstructure in random and textured polycrystals and single crystals by diffraction	G. Ribrik and T. Unger	*Materials Science and Engineering: A*	**528**	112	2010 journal	1 SMARTS
Measurement of strain/load transfer in parallel seven-wire strands with neutron diffraction	I. Noyan, A. Br¸gger, R. Betti and B. Clausen	*Experimental Mechanics*	**50**	265	2010 journal	1 SMARTS
Stress measurements in ZrB2-SiC composites using Raman spectroscopy and neutron diffraction	J. Watts, G. Hilmas, W. G. Fahrenholtz, D. Brown and B. Clausen	*Journal of The European Ceramic Society*	**30**	2165	2010 journal	1 SMARTS
Mechanisms of Ductility in CoTi and CoZr B2 Intermetallics	J. Wollmershauser, C. Neil and S. Agnew	*Metallurgical and Materials Transactions A*	**41**	1217	2010 journal	1 SMARTS
In-situ neutron diffraction study of phase stress evolutions in a Ni-based porous anode solid oxide fuel	K. An, B. Clausen, A. D. Stoica, B. L. Armstrong, H. D. Skorpenske and X. L. Wang	*Applied Physics A: Materials Science & Processing*	**99**	579	2010 journal	1 SMARTS
The effects of texture and extension twinning on the low-cycle fatigue behavior of a rolled magnesium	L. Wu, S. Agnew, Y. Ren, D. Brown, B. Clausen, G. Stoica, H. Wenk and P. Liaw	*Materials Science and Engineering: A*	**527**	7057	2010 journal	1 SMARTS
Phase-transformation and subgrain-deformation characteristics in a cobalt-based superalloy	M. Benson, B. Reetz, P. Liaw, W. Reimers, H. Choo, D. Brown, T. Saleh and D. Klarstrom	*Materials Science and Engineering: A*	**528**	1987	2010 journal	1 SMARTS
Stress-Dependent Elastic Properties of Porous Microcracked Ceramics	Pozdnyakova, I; Bruno, G; Efremov, AM; Clausen, B; Hughes, D	*Advanced Engineering Materials*	**11**	1023	2010 journal	1 SMARTS
Superelastic response of [111] and [101] oriented NiTi micropillars	R. Manjeri, S. Qiu, N. Mara, A. Misra and R. Vaidyanathan	*Journal of Applied Physics*	**108**	23501	2010 journal	1 SMARTS
The Emerging World of Engineering with Neutrons	T. M. Holden	*Neutron News*	**21**	39	2010 journal	1 SMARTS
Influence of strain rate on mechanical properties and deformation texture of hot-pressed and rolled	T. Sisneros, D. Brown, B. Clausen, D. Donati, S. Kabra, W. Blumenthal and S. Vogel	*Materials Science and Engineering: A*	**527**	5181	2010 journal	1 SMARTS
Design, implementation, and testing of a cryogenic loading capability on an engineering neutron	T. Woodruff, V. Krishnan, B. Clausen, T. Sisneros, V. Livescu, D. Brown, M. Bourke and R. Vaidyanathan	*Review of Scientific Instruments*	**81**	63903	2010 journal	1 SMARTS
X-Ray and Neutron Diffraction Measurements of Dislocation Density and Subgrain Size in a Friction-	W. Woo, T. Ung-r, Z. Feng, E. Kenik and B. Clausen	*Metallurgical and Materials Transactions A*	**41**	1210	2010 journal	1 SMARTS
On the stress-free lattice expansion of porous cordierite	G. Bruno, A. M. Efremov, B. Clausen, A. M. Balagurov, V. N. Simkin, B. R. Wheaton, J. E. Webb and D. W. Brown	*Acta Materialia*	**58**	1994	2010 journal	1 SMARTS, HIPPO
Experimental measurement of the neutron time-emission spectra at the Manuel Lujan Jr. Neutron	M. Mocko, G. Muhrer, C. T. Kelsey, M. Duran and F. Tovesson	*Nuclear Instruments and Methods In Physics Research*	**624**	173	2010 journal	1 Spallation
Polymer brushes in restricted geometries	D. J. Mulder and T. L. Kuhl	*Soft Matter*	**6**	5401	2010 journal	1 SPEAR
Amyloid-b Fibrillogenesis Seeded by Interface-Induced Peptide Misfolding and Self-Assembly	E. Y. Chi, S. L. Frey, A. Winans, K. L. H. Lam, K. Kjaer, J. Majewski and K. Y. C. Lee	*Biophysical Journal*	**98**	2299	2010 journal	1 SPEAR
Mouse Fibroblast Cell Adhesion Studied by Neutron Reflectometry	H. L. Smith, J. Hickey, M. S. Jablin, A. Trujillo, J. P. Freyer and J. Majewski	*Biophysical Journal*	**98**	793	2010 journal	1 SPEAR
Comparative Studies on the Influence of beta-Sitosterol and Stigmasterol on Model Sphingomyelin	Hac-Wydro, K; Flasinski, M; Broniatowski, M; Dynarowicz-Latka, P; Majewski, J	*Journal of Physical Chemistry B*	**114**	6866	2010 journal	1 SPEAR
Surface Characterization of LiFePO4 Epitaxial Thin Films by X-ray/Neutron Reflectometry	Hirayama, M; Yonemura, M; Suzuki, K; Torikai, N; Smith, H; Watkinsand, E; Majewski, J; Kanno, R	*Electrochemistry*	**78**	413	2010 journal	1 SPEAR
X-ray scattering studies of model lipid membrane interacting with purothionin provide support for a	J. Majewski and B. Stec	*European Biophysics Journal*	**8**	1155	2010 journal	1 SPEAR
Grazing Incidence Diffraction and X-ray Reflectivity Studies of the Interactions of Inorganic Mercury Salts	M. Broniatowski, M. Flasinski, P. Dynarowiczatka and J. Majewski	*The Journal of Physical Chemistry B*	**114**	9474	2010 journal	1 SPEAR
Partially Fluorinated Thioethers at the Water/Air Interface. Langmuir Monolayer Characterization and X-	M. Broniatowski, M. Flasinski, P. Dynarowiczatka and J. Majewski	*The Journal of Physical Chemistry B*	**114**	12549	2010 journal	1 SPEAR
Investigations of surrogate cellular membranes using neutron reflectometry	M. Dubey, M. S. Jablin, H. Smith and J. Majewski	*Acta Crystallographica Section D-Biological*	**66**	1237	2010 journal	1 SPEAR
X-ray grazing incidence diffraction and Langmuir monolayer studies of the interaction of [beta]-	M. Flasinski, M. Broniatowski, J. Majewski and P. Dynarowicz-Latka	*Journal of Colloid and Interface Science*	**348**	511	2010 journal	1 SPEAR
Effects of [beta]-Cyclodextrin on the Structure of Sphingomyelin/Cholesterol Model Membranes	M. S. Jablin, M. Flasinski, M. Dubey, D. R. Ratnaweera, M. Broniatowski, P. Dynarowicz-Latka and J. Majewski	*Biophysical Journal*	**99**	1475	2010 journal	1 SPEAR
Neutron Reflectometry Study of the Conformation of HIV Nef Bound to Lipid Membranes	M. S. Kent, J. K. Murton, D. Y. Sasaki, S. Satija, B. Akgun, H. Nanda, J. E. Curtis, J. Majewski, C. R. Morgan and J. R.	*Biophysical Journal*	**99**	1940	2010 journal	1 SPEAR
Electric-field modification of magnetism in a thin CoPd film	M. Zhernenkov, M. Fitzsimmons, J. Chlistunoff, J. Majewski, I. Tudosa and E. Fullerton	*Physical Review B*	**82**	24420	2010 journal	1 SPEAR
Hygrothermal Aging of Silane-Laced Epoxy Coatings	P. Wang and D. W. Schaefer	*Journal of Adhesion Science and Technology*	**24**	699	2010 journal	1 SPEAR
Structure and water-barrier properties of vanadate-based corrosion inhibitor films	P. Wang, X. Dong and D. W. Schaefer	*Corrosion Science*	**52**	943	2010 journal	1 SPEAR
Nafion Structural Phenomena at Platinum and Carbon Interfaces	Wood, DL; Chlistunoff, J; Majewski, J; Borup, RL	*Journal of The American Chemical Society*	**131**	18096	2010 journal	1 SPEAR
Structure and Composition of Trivalent Chromium Process (TCP) Films on Al Alloy	X. Dong, P. Wang, S. Argekar and D. W. Schaefer	*Langmuir*	**26**	10833	2010 journal	1 SPEAR
Spin-echo Resolved Grazing Incidence Scattering (SERGIS) at Pulsed and CW Neutron Sources	Ashkar, R.; Stonaha, P.; Washington, A.; Shah, V.R.; Fitzsimmons, M.R.; Maranville, B.; Majkrzak, C.F.; Lee,	*J. Phys.: Conf. Ser.*	**251**	12066	2010 conference	2 Asterix
Magnetic field dependence of the magnetization of a 29 nm thick AuFe spin glass film	Saoudi, M.; Temst, K.; Van Haesendonck, C.; Fitzsimmons, M.R.; Fritzsche, H.	*J. Phys.: Conf. Ser.*	**251**	32063	2010 conference	2 Asterix
Photon Strength Functions for $^{156, 157, 159} $ Gd	B. Baramsai, G. Mitchell, A. Chyzh, D. Dashdorj, C. Walker, T. Bredeweg, A. Couture, R. Haight, M. Jandel and A.	*Bulletin of The American Physical Society*	**55**		2010 conference	2 DANCE
First Measurement of the 64Ni (, n) 63Ni Cross Section	Í. Dillmann, T. Faestermann, G. Korschinek, J. Lachner, M. Maiti, M. Poutivtsev, G. Rugel, S. Walter, F. Keppeler and M.	*Proceedings of Science*	**NIC XI**	49	2010 conference	2 DANCE
Recent Results using the DANCE Detector at Los Alamos	J. Ullmann, R. Reifarth, A. Couture, R. Haight, J. Odonnell, E. Bond, E. Chamberlin, M. Fowler, R. Rundberg and D.	*Proceedings of Science*	**PSF07**	15	2010 conference	2 DANCE
Neutron capture reactions on Lu isotopes at DANCE	L. Bonneau, N. Dubray, F. Gunsing, B. Jurado, O. Roig, M. Jandel, D. Vieira, E. Bond, T. Bredeweg and A. Couture	*EPJ Web of Conferences*	**2**		2010 conference	2 DANCE
Neutron-induced capture cross sections of short-lived actinides with the surrogate reaction method	M. Aiche, G. Boutoux, B. Jurado, G. Barreau, L. Matthieu, S. Czajkowski, D. Dassie, B. Haas11, V. MEot and O. Roig	*EPJ Web of Conferences*	**2**	6002	2010 conference	2 DANCE
The s-process overview and selected developments	R. Reifarth	*J. Phys.: Conf. Ser.*	**202**	12022	2010 conference	2 DANCE
Neutron capture reactions on Lu isotopes at DANCE	Roig, O.; Jandel, M.; Vieira, D.J.; Bond, E.M.; Bredeweg, T.A.; Couture, A.J.; Daugas, J.-M.; Haight, R.C.; Keksis,	*EPJ Web of Conferences*		5003	2010 conference	2 DANCE
New measurements of (n, $\ gamma $) and (n, fission) cross sections and capture-to-fission ratios for ^{232} U and ^{238} Pu using the DANCE	T. Bredeweg, M. Jandel, M. Fowler, E. Bond, R. Haight, A. Keksis, J. O'Donnell, R. Reifarth, R. Rundberg and A.	*Bulletin of The American Physical Society*	**55**		2010 conference	2 DANCE

Neutron capture reactions on Lu isotopes at DANCE	V. Keksis, P. Morel, J. ODonnell, R. Rundberg, W. Taylor, J. Ullmann and J. Wouters	*EPJ Web of Conferences*	**2**	5003	2010 conference	2 DANCE
Negative Thermal Expansion in the Prussian Blue Analog Zn/sub 3/[Fe(Cn)/sub 6/]/sub 2/: X-Ray	Adak, S.; Daemen, L.L.; Nakotte, H.	*J. Phys.: Conf. Ser.*	**251**	12007	2010 conference	2 FDS
Implementation of repetition rate multiplication in cold, thermal and hot neutron spectroscopy	Russina, M.; Mezei, F.	*J. Phys.: Conf. Ser.*	**251**	12079	2010 conference	2 FP13
The crystal structure of superconducting FeSe/sub 1-x/Te/sub x/ by pulsed neutron diffraction	Lehman, M.C.; Llobet, A.; Horigane, K.; Louca, D.	*J. Phys.: Conf. Ser.*	**251**	12009	2010 conference	2 HIPD
Structure study of chalcogenide glasses from high Q-range neutron diffraction experiment and RMC	M. Fabian, E. Svab, S. Vogel, V. Pamukchieva and A. Szekeres	*J. Phys.: Conf. Ser.*	**251**	12013	2010 conference	2 HIPD
Magnetic structure and local lattice distortion in giant negative thermal expansion material Mn3Cu1- xGexN	S. Iikubo, K. Kodama, K. Takenaka, H. Takagi and S. Shamoto	*J. Phys.: Conf. Ser.*	**251**	12014	2010 conference	2 HIPD
Study of As/sub 2/Se/sub 3/ and As/sub 2/Se/sub 2/Te glass structure by neutron- and X-ray diffraction	Fabian, M.; Svab, E.; Pamukchieva, V.; Szekeres, A.; Vogel, S.; Ruett, U.	*J. Phys.: Conf. Ser.*	**251**	12053	2010 conference	2 HIPPO
Multi-Scale Modeling of Texture Evolution in Beryllium and Zirconium during Equal Channel Angular	I. J. Beyerlein, L. Capolungo, G. Yapici, C. N. TomE and I. Karaman	*Materials Science Forum*	**633**	483	2010 conference	2 HIPPO
Combined in situ neutron diffraction and acoustic emission of twin nucleation & twin growth in extruded	O. Mur·nsky, M. R. Barnett, D. G. Carr, S. C. Vogel and E. Oliver	*Materials Science Forum*	**652**	149	2010 conference	2 HIPPO
New Promising Hydride Based on the Cu-Li-Mg System	M. Braga, A. Acatrinei, M. Hartl, S. Vogel, T. Proffen and L. Daemen	*J. Phys.: Conf. Ser.*	**251**	12040	2010 conference	2 HIPPO, FDS, NPDF
Crystal fields in UO2-revisited	H. Nakotte, R. Rajaram, S. Kern, R. McQueeney, G. Lander and R. Robinson	*J. Phys.: Conf. Ser.*	**251**	12002	2010 conference	2 Pharos
Single-crystal neutron diffraction studies on Ni-based metal-pnictide superconductor BaNi/sub 2/As/sub 2/	Kothapalli, K.; Ronning, F.; Bauer, E.D.; Schultz, A.J.; Nakotte, H.	*J. Phys.: Conf. Ser.*	**251**	12010	2010 conference	2 SCD
Thermal and Mechanical Response of Industrial Porous Ceramics	G. Bruno, A. M. Efremov, A. N. Levandovskiy, I. Pozdnyakova, D. J. Hughes and B. Clausen	*Materials Science Forum*	**652**	191	2010 conference	2 SMARTS
Search for Evidence of Stacking Faults in Austenitic Stainless Steel Alloys by Neutron Diffraction	T. M. Holden, D. W. Brown, B. Clausen and H. Suzuki	*Materials Science Forum*	**652**	129	2010 conference	2 SMARTS
Neutron and X-ray Scattering From Single Supported Lipid Bilayers: Reflectometry, Grazing Incidence In-	J. Majewski	*Bulletin of The American Physical Society*	**55**	BAPS.2010.MAR.W 19.10	2010 conference	2 SPEAR
Neutron Capture Measurements on 157Gd and 89Y at DANCE	A. Chyzh	*North Carolina State University*			2010 thesis	3 DANCE
Neutron Capture Reactions on Gadolinium Isotopes	B. Baramsai	*North Carolina State University*			2010 thesis	3 DANCE
Quaternary ammonium borohydride adsorption in mesoporous silicate MCM-48	M. J. Wolverton, L. L. Daemen and M. A. Hartl	*University of Alabama*			2010 thesis	3 FDS
Investigation of Thermal, Elastic and Load-biased Transformation Strains in NiTi Shape Memory Alloys	S. Qiu	*University of Central Florida*			2010 thesis	3 HIPPO
Poly DTE-co-PEG Carbonate as a Model System for Investigating the effects of physicochemical polymer	A. Luk	*Rutgers*			2010 thesis	3 LQD
Hydrogen adsorption by alkali metal graphite intercalation compounds	J. Purewal	*CalTech*			2010 thesis	3 Pharos
Deformation mechanisms in bulk nanostructured aluminum obtained after cryomilling and consolidation	I. Lonardelli	*Universite Degli Studi di Trento*			2010 thesis	3 SMARTS
Volume phase transitions in surface-tethered, photo-cross-linked poly (N-isopropylacrylamide) networks	A. K. Vidyasagar	*University of South Florida*			2010 thesis	3 SPEAR
Research at the intersection of the physical and life sciences	National Research Council				2010 Book	4 PCS
Physics of Stress Measurements	A. Zang and O. Stephansson	*Stress Field of The Earth's Crust*	**part II**	115	2010 book	4 SMARTS
PIANO: Proton-Induced Reactions for Astrophysical Nucleosynthesis	R. Reifarth	*Los Alamos National Laboratory*			2010 report	5 DANCE
Fission cross section measurements of actinides at LANSCE	F. Tovesson, A. B. Laptev and T. S. Hill	*Los Alamos National Laboratory*			2010 report	5 FP5
Engineering related neutron diffraction measurements probing strains, texture and microstructure	B. Clausen, D. W. Brown, C. N. Tome, L. Balogh and S. C. Vogel	*Los Alamos National Laboratory*			2010 report	5 SMARTS, HIPPO
Neutron beam characterization measurements at the Manuel Lujan Jr. neutron scattering center	M. Mocko, G. Muhrer, L. L. Daemen, C. T. Kelsey, M. A. Duran and F. K. Tovesson	*Los Alamos National Laboratory*			2010 report	5 Spallation
Ground-state proton decay of 69Br and implications for the rp-process 68Se waiting-point	A. Rogers, W. Lynch, M. Famiano, M. Wallace, F. Amorini, D. Bazin, R. Charity, F. Delaunay, R. de Souza and J. Elson	*Arxiv Preprint Arxiv:1009.2950*			2010 preprint	6 EXTERNAL
Total scattering descriptions of local and cooperative distortions in the oxide spinel (Mg, Cu) Cr2O4 with	D. P. Shoemaker and R. Seshadri	*Arxiv Preprint Arxiv:1008.5363*			2010 preprint	6 NPDF
Surface structure changes in lithium battery electrodes studied by in-situ X-ray and neutron scattering	R. Kanno, M. Hirayama, K. Tamura and H. Ido	*Abstract #502, 218th ECS Meeting, © 2010 The*			2010 Abstract	7 FDS
Crystal and Magnetic Structure of UNi $ _ {0.52} $	K. Kothapalli, M. Torikachvili, F. Nasreen and H. Nakotte	*Bulletin of the American Physical Society*	**55**		2010 Abstract	7 Pharos