

MM 2006 Program Search Engine Results
Field = Paper Title KeyWord = nano

Symposium		PaperTitle/Authors/Day/Room/Time
1	A06 - Advances in STEM Techniques for Materials Characterization	<i>Three-dimensional Characterisation of Nanomaterials Using Aberration-Corrected STEM</i> PD Nellist, EC Cosgriff, V Nicolosi, JN Coleman; Trinity College Dublin, Ireland Monday, Room - 324, 09:30 Platform
2	A06 - Advances in STEM Techniques for Materials Characterization	<i>In Situ Environmental STEM for Dynamic Nanochemical Analysis</i> PA Crozier; Arizona State University Monday, Room - 324, 14:00 Platform
3	A12 - Cathodoluminescence in the Scanning Electron Microscope	<i>Low Energy CL Spectroscopy of Interfaces and Nanostructures</i> L Brillson; The Ohio State University Monday, Room - 301/303, 08:30 Platform
4	A12 - Cathodoluminescence in the Scanning Electron Microscope	<i>Cathodoluminescence of Elongated Semiconductor Nano- and Microstructures</i> J Piqueras; Universidad Complutense de Madrid Monday, Room - 301/303, 09:00 Platform
5	A12 - Cathodoluminescence in the Scanning Electron Microscope	<i>Effects of Lithium Doping and Post-processing on the Cathodoluminescence of Zinc Oxide Nanoparticles</i> K McBean, M Phillips; University of Technology, Australia; D Drouin; UniversitE de Sherbrooke Monday, Room - 301/303, 09:45 Platform Student
6	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Si and Ge Nanowire Growth Mechanisms Observed using In Situ Microscopy</i> S Kodambaka, J Hannon, R Tromp, M Reuter, J Tersoff, F Ross; IBM TJ Watson Research Center Monday, Room - 325/326, 08:00 Platform
7	P01 - Microscopy in Nanoscience and Nanotechnology	<i>EFTEM Imaging of ZnO-TiO2 Core-Shell Nanowires and TiO2 Nanotubes</i> V Radmilovic; Lawrence Berkeley National Laboratory; M Law, P Yang, A Radenovic; University of California; CE Nelson; Lawrence Berkeley National Laboratory Monday, Room - 325/326, 08:30 Platform
8	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Self-Organized Nanopatterns Induced by Ion Milling of Thin Films</i> Q Wei, S Zhu, L Wang; University of Michigan Monday, Room - 325/326, 08:45 Platform Student

9	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Silica-Shielded Ga-ZnS Metal-Semiconductor Nanowire Heterojunctions</i> J Hu, Y Bando, J Zhan, D Golberg; National Institute for Materials Science, Japan Monday, Room - 325/326, 09:00 Platform
10	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Polar Surface Induced Growth of Semiconducting and Piezoelectric Oxide Novel Nanostructures</i> ZL Z Wang; Georgia Institute of Technology Monday, Room - 325/326, 09:15 Platform
11	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Dielectrophoretic Fabrication and Electron Microscopy Characterization of One-Dimensional-Nanomaterial-Based Devices</i> L Dong, J Jiao; Portland State University Monday, Room - 325/326, 09:30 Platform
12	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Fabrication and Morphology of ZnO and ZnS Nanoribbon Heterostructure</i> P-S G Kim; McMaster University; M Murphy, XT Zhou; University of Western Ontario; M Couillard; McMaster University; TK Sham; University of Western Ontario; GA Botton; McMaster University Monday, Room - 325/326, 09:45 Platform
13	P01 - Microscopy in Nanoscience and Nanotechnology	<i>In-Situ Operation of Nanoelectronic Devices</i> J Cumings, T Brintlinger, K Baloch, Y Qi; University of Maryland Monday, Room - 325/326, 10:30 Platform
14	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Probing the Transport Properties of Each Individual Wall within a Multiwall Carbon Nanotubes by Electric Breakdown</i> J Huang, S Chen, Z Ren, Z Wang, K Kempa, MJ Naughton; Boston College; G Chen, MS Dresselhaus; Massachusetts Institute of Technology Monday, Room - 325/326, 11 Platform
15	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Structure and Electrical Transport of Single-Walled Carbon Nanotubes with Intramolecular Junction and Defects</i> T Kim, J-M Zuo; University of Illinois, Urbana-Champaign Monday, Room - 325/326, 11:15 Platform Student
16	P01 - Microscopy in Nanoscience and Nanotechnology	<i>In-situ Fabrication, Manipulation and Property Measurements of Single Nanotubes and Nanowires with Near Atomic Resolution</i> L-M Peng, Q Chen, JY Wang, MS Wang; Peking University; ZY Zhang, CH Jin; Chinese Academy of Sciences; XL Wei; Peking University Monday, Room - 325/326, 11:30 Platform
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17	P01 - Microscopy in Nanoscience and Nanotechnology	Center for Nanophase Materials Sciences L Horton; Oak Ridge National Laboratory Monday, Room - 325/326, 13:30 Platform
18	P01 - Microscopy in Nanoscience and Nanotechnology	Novel Synthesis and Functionalization of Boron Nitride Nanotubes Y Bando, C Zhi, Q Huang, C Tang, D Golberg; National Institute for Materials Science, Japan Monday, Room - 325/326, 14:00 Platform
19	P01 - Microscopy in Nanoscience and Nanotechnology	Ordered Zinc-Vacancy Induced Zn_{0.75}Ox Nanophase Structure Y Ding, R Yang, ZL Wang; Georgia Institute of Technology Monday, Room - 325/326, 14:45 Platform
20	P01 - Microscopy in Nanoscience and Nanotechnology	Growth of Nanodendrites on Insulator Substrates by Charge-up Induced Deposition and its Decoration with Metal Nanocrystals K Furuya, G Xie, M Song; National Institute for Materials Science, Japan Monday, Room - 325/326, 15:00 Platform
21	P01 - Microscopy in Nanoscience and Nanotechnology	Dedicated FIB Preparation for TEM Cross-section Samples of Nanowires Grown Vertically on Silicon Substrates M Kaiser, M Verheijen, A Roest, E Bakkers; Philips Research Laboratories, The Netherlands Monday, Room - 325/326, 15:15 Platform
22	P01 - Microscopy in Nanoscience and Nanotechnology	EELS and EFTEM Imaging of Surface Plasmons in Silica-Ag Core-Shell Nanoparticles AS Eggeman; University of Oxford; AK Petford-Long; Argonne National Laboratory; PJ Dobson; University of Oxford Monday, Room - Exhibit Hall, 15:30 Poster
23	P01 - Microscopy in Nanoscience and Nanotechnology	Characterization of Defects in Nanoparticles J Deneen, CB Carter; University of Minnesota Monday, Room - Exhibit Hall, 15:30 Poster Student
24	P01 - Microscopy in Nanoscience and Nanotechnology	Synthesis and Characterization of L-Arginine H₃PO₄ Nano-Crystals with Non-Linear Optical Properties. J Hernandez Paredes, HE Esparza Ponce, JA Duarte Moller; Centro de InvestigaciUn en Materiales Monday, Room - Exhibit Hall, 15:30 Poster Student
25	P01 - Microscopy in Nanoscience and Nanotechnology	Cold Sample Preparation for Cross-sectional Transmission Electron Microscopy: Cu Nanocrystals Embedded in 2 um SiO₂ films. B Johannessen, DJ Llewellyn, P Kluth, MC Ridgway; Australian National University Monday, Room - Exhibit Hall, 15:30 Poster Student

26	P01 - Microscopy in Nanoscience and Nanotechnology	<p><i>Nanoscale Structural and Chemical Characterization of Silica Coated Gold Nanoparticles Using STEM 3D Imaging and EELS</i> DN Leonard; North Carolina State University; KF Jarausch; Hitachi High Technologies America, Inc.; MG Cerruti, G Duscher, S Franzen, DL Feldheim; North Carolina State University Monday, Room - Exhibit Hall, 15:30 Poster Student</p>
27	P01 - Microscopy in Nanoscience and Nanotechnology	<p><i>Templated Growth of Semiconductor Nanostructures through Block Copolymer Lithography</i> L Denault, R Klinger, ST Taylor, A Alizadeh, C Keimel, D Hays, K Krishnan, F Sharifi, K Conway, J Grande; GE Global Research; A Stintz, S Krishna; University of New Mexico; E Braunstein, C Jones; Lockheed Martin Monday, Room - Exhibit Hall, 15:30 Poster</p>
28	P01 - Microscopy in Nanoscience and Nanotechnology	<p><i>Self-Assembly of Diblock Copolymers/Au Nanoparticle Nanocomposites in Thin Films</i> NL Dietz, C-T Lo, B Lee, RE Winans, P Thiyagarajan; Argonne National Laboratory Monday, Room - Exhibit Hall, 15:30 Poster Student</p>
29	P01 - Microscopy in Nanoscience and Nanotechnology	<p><i>Microstructure of Transparent Nanocrystalline MgAl₂O₄ Ceramics</i> Q Wei; University of Michigan; TC Lu, XH Chang; Sichuan University; L Wang; University of Michigan Monday, Room - Exhibit Hall, 15:30 Poster Student</p>
30	P01 - Microscopy in Nanoscience and Nanotechnology	<p><i>EM Specimen Preparation of nanoparticles using Ultrasonic Spray Technique</i> L-C Lai, W-A Chiou; University of California, Irvine; S-C Tsai; California State University at Long Beach; Y-F Chou; National Taiwan University; Y-L Song; University of California, Irvine, National Taiwan University; C-S Tsai; University of California, Ir Monday, Room - Exhibit Hall, 15:30 Poster Student</p>
31	P01 - Microscopy in Nanoscience and Nanotechnology	<p><i>TEM Study of the Morphology of Nanoparticles</i> J Deneen, P Cernetti, R Gresback, U Kortshagen, CB Carter; University of Minnesota Monday, Room - Exhibit Hall, 15:30 Poster Student</p>
32	P01 - Microscopy in Nanoscience and Nanotechnology	<p><i>Microstructural and Mechanical Characterization of Aluminum Reinforced with Silver Nanoparticles</i> R Martnez-S.nchez; Centro de InvestigaciUn en Materiales Avanzados; J Reyes-Gasga; Instituto de Flsica, UNAM; R Caudillo, DI Garcla-Gutierrez; University of Texas, Austin; A M.rquez-Lucero; Centro de InvestigaciUn en Materiales Avanzados; I Estrada-Guel, Monday, Room - Exhibit Hall, 15:30 Poster</p>
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33	P01 - Microscopy in Nanoscience and Nanotechnology	Shapes and Atomic Arrangements of Pure Cu-Nanoparticles Grown in High Vacuum and Non-stress Condition Observed by 3D-Tomography in a TEM T Oikawa; JEOL Ltd., Laboratory Materials and Quantum Phenomena, University Paris 7; C Langlois; Laboratory Materials and Quantum Phenomena, University Paris 7; C Mottet; CRM-CNRS; C Ricolleau; Laboratory Materials and Quantum Phenomena, University Paris 7 Monday, Room - Exhibit Hall, 15:30 Poster
34	P01 - Microscopy in Nanoscience and Nanotechnology	Fate of Nanoparticles in Biological Systems - Quantum Dot Behavior in Bacterial Cells and Biofilms RD Holbrook, J Morrow; National Institute of Standards and Technology; T Mangel; University of Maryland Monday, Room - Exhibit Hall, 15:30 Poster
35	P01 - Microscopy in Nanoscience and Nanotechnology	Production of Cadmium Sulphide Quantum Dot Nanoparticles Using Tomato Hairy Root Tissue Culture Ultrastructural Effects and Localization of Cadmium KJ Levick, MA Stevens-Kalceff, H Zhao, PM Doran; University of New South Wales Monday, Room - Exhibit Hall, 15:30 Poster Student
36	P01 - Microscopy in Nanoscience and Nanotechnology	Contact Damage Produced in Si and MgO by Nanoindentation BJ Hockey; National Institute of Standards and Technology Monday, Room - Exhibit Hall, 15:30 Poster
37	P01 - Microscopy in Nanoscience and Nanotechnology	Remote Two-Photon Emission From Dendritic Silver Nanoclusters JM Gunn, M Ewald, M Dantus; Michigan State University Monday, Room - Exhibit Hall, 15:30 Poster Student
38	P01 - Microscopy in Nanoscience and Nanotechnology	Two-Photon Induced Emission From Silver Nanoparticle Aggregates on Thin Films and in Solution M Ewald, JM Gunn, M Dantus; Michigan State University Monday, Room - Exhibit Hall, 15:30 Poster Student
39	P01 - Microscopy in Nanoscience and Nanotechnology	Nanoscale Engineering with a TEM for DNA Sequencing DC Bell; Harvard University; MJ Kim, M Wanunu, A Meller; Rowland Institute Monday, Room - Exhibit Hall, 15:30 Poster
40	P01 - Microscopy in Nanoscience and Nanotechnology	Characterization of Structural Change of Nanocrystalline ITO Films due to Exposure to Hyperthermal Atomic Oxygen L Li; University of Pittsburgh; R Harder; University of Illinois at Urbana-Champaign; F Xu; University of Pittsburgh; IK Robinson; University of Illinois at Urbana-

		Champaign; JC Yang; University of Pittsburgh Monday, Room - Exhibit Hall, 15:30 Poster
41	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Electron Microscopy Study of Carbon Nanotubes Synthesized by Plasma-Enhanced Chemical Vapor Deposition</i> J Wu, L Dong, T Gutu, J Jones, J Jiao; Portland State University Monday, Room - Exhibit Hall, 15:30 Poster Student
42	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Radial Concentration Profile Reconstruction from EDX Mapping of Au-Pt Nanoparticles</i> N Brady, GA Botton; McMaster University Monday, Room - Exhibit Hall, 15:30 Poster Student
43	P01 - Microscopy in Nanoscience and Nanotechnology	<i>TiO₂ Nanotubes Encapsulating Silver Nanoparticles</i> BM Rabatic, ZV Saponjic, A Petford-Long, T Rajh; Argonne National Laboratory Monday, Room - Exhibit Hall, 15:30 Poster
44	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Structural Analysis of Self-assembled Nanotubes of Bacteriophage T4 Capsid Protein gp23 by Cryo Electron Microscopy and Mass Spectrometry</i> BK Kaletas; Institute for Atomic and Molecular Physics; E Van Duijn; Vrije Universiteit Amsterdam, Utrecht University; AJ R Heck; Utrecht University; RB J Geels; Institute for Atomic and Molecular Physics; F De Haas, A van Balen; FEI Company; SM Van der V Monday, Room - Exhibit Hall, 15:30 Poster
45	P02 - In Situ and other Advanced Microscopy and Microanalysis of Catalytic Materials: Nanoparticles and Porous Solids for Catalysis, Energy and Environment	<i>In Situ Observation of Structural and Morphological Changes in Nanometer-sized Silver Particles on Graphite during Sublimation</i> M Hirota, L Jung-Goo, N Mori, JG Lee; Osaka University Monday, Room - 307, 08:30 Platform
46	P02 - In Situ and other Advanced Microscopy and Microanalysis of Catalytic Materials: Nanoparticles and Porous Solids for Catalysis, Energy and Environment	<i>High-Resolution AEM and XAS Study of Ru, Pt and Ru-Pt Supported Nanocatalysts</i> VP Oleshko, WM C Ketchie, EP Maris, RJ Davis; University of Virginia Monday, Room - 307, 09:45 Platform Student
47	P02 - In Situ and other Advanced Microscopy and Microanalysis of Catalytic Materials: Nanoparticles and Porous Solids for Catalysis, Energy and Environment	<i>Imaging Au-Pd Nanoparticles with the Aberration-Corrected STEM/TEM</i> M JosE-Yacam.n; University of Texas-Austin; S Mejla-Rosales, E PErez-Tijerina; Univ. AutUnoma de Nuevo LeUn; DA Blom, LF Allard; Oak Ridge National Laboratory Monday, Room - 307, 13:30 Platform
48	P02 - In Situ and other Advanced Microscopy and Microanalysis of Catalytic Materials: Nanoparticles and Porous Solids for Catalysis,	<i>HREM and HAADF Study of Nanostructured MoS₂ Bulk Catalysts</i> A Camacho-Bragado, M Jose Yacaman; The University of

	Energy and Environment	Texas at Austin Monday, Room - 307, 15:00 Platform
49	P02 - In Situ and other Advanced Microscopy and Microanalysis of Catalytic Materials: Nanoparticles and Porous Solids for Catalysis, Energy and Environment	<i>The Topography and Location of Nanoparticles in Supported Catalysts using Back Scattered Electrons and HAADF-STEM in a FESEM</i> P Gai, D Smith; DuPont Monday, Room - 307, 15:15 Platform
50	P02 - In Situ and other Advanced Microscopy and Microanalysis of Catalytic Materials: Nanoparticles and Porous Solids for Catalysis, Energy and Environment	<i>Catalytic Nanocrystals Electrochemically Formed in Active Mesoporous Nanocomposites</i> G-S Park, HS Kim, SG Doo; Samsung Advanced Institute of Technology Monday, Room - Exhibit Hall, 15:30 Poster
51	P03 - Quantitative X-ray Microanalysis: A Symposium Honoring Art Chodos	<i>Multi-Voltage EPMA of Thin Films or Nano Science in the Z Dimension</i> J Donovan; University of Oregon Monday, Room - Exhibit Hall, 15:30 Poster
52	A02 - Cryo-Preparation, Cryo-Sectioning, and Cryo-Approaches Using TEM, SEM, and FIB/SEM	<i>Development of Nanostructured Electron Microscopy Grids for Time Resolved Single Particle Reconstruction for Transmission Electron Microscopy</i> D Barnard, TR Shaikh, K Buttle; Wadsworth Center; V Pushparaj, D Ye, J McMahon, P Ajayan, O Nalamasu, T-M Lu; Rensselaer Polytechnic Institute; T Wagenknecht; Wadsworth Center Tuesday, Room - Exhibit Hall, 15:30 Poster
53	A05 - FIB and FIB/SEM: Applications and techniques for Physical and Biological Sciences	<i>Nano-scale 3-D Characterization of Materials Using FIB-SEM</i> K Dovidenko, D Ellis, J Grande, RA Potyrailo; General Electric Global Research Center Tuesday, Room - 327, 09:00 Platform
54	A05 - FIB and FIB/SEM: Applications and techniques for Physical and Biological Sciences	<i>Three-Dimensional Nanoscale Characterization of Pt Deposition from an Organometallic Precursor Induced by a Focused Ion Beam</i> SA Gerstl; Imago Scientific Instruments; A Morrone, R Kvittek; Seagate Technology Tuesday, Room - 327, 11:30 Platform
55	A05 - FIB and FIB/SEM: Applications and techniques for Physical and Biological Sciences	<i>Focused Ion Beam Enabled Analysis of Nanocomposite and Nanostructured Soft Materials</i> SE Kooi, J-H Jang, C Ullal, EL Thomas; Massachusetts Institute of Technology Tuesday, Room - 327, 14:30 Platform
56	A06 - Advances in STEM Techniques for Materials Characterization	<i>The Development of Ultra-high Vacuum Cs-Corrected Scanning Transmission Electron Microscope for Fast Fabrication of Desired Nanostructures</i> K Furuya, K Mitsuishi, M Tanaka, M Takeguchi; National Institute for Materials Science, Japan; Y Kondo, F

		Hosokawa, K Okamoto, T Sannomiya, M Hori, T Iwama, M Kawazoe; JEOL Ltd, Japan Tuesday, Room - 324, 14:00 Platform
57	A17 - Contamination Control in Electron and Ion Microscopy	<i>Contamination Removal on FIB Nano-Patterned Surfaces</i> K Dovidenko, LA Le Tarte, RA Potyrailo; GE Global Research Center Tuesday, Room - Exhibit Hall, 15:30 Poster
58	A18 - Digital Imaging and Measurements	<i>Darkfield Brightfield and Energy-Filtered Nanotube Image Profiles</i> E Mandell, P Fraundorf, S Lin; University of Missouri - St. Louis Tuesday, Room - 309, 15:00 Platform Student
59	B01 - Cell Biology and Microscopy: A symposium dedicated to the memory of Hans Ris	<i>Sequence Specific Subcellular Localization of TiO₂-DNA Nanocomposites</i> K Thurn; Northwestern University; F Yanase; Tohoku University, Japan; B Lai, S Vogt, J Maser; Argonne National Laboratory; T Paunesku, G Woloschak; Northwestern University Tuesday, Room - Exhibit Hall, 15:30 Poster Student
60	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Spin-Polarized STM: Imaging Magnetic Nanostructures with Atomic Resolution</i> M Bode; University of Hamburg Tuesday, Room - 325/326, 08:00 Platform
61	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Scanning Probe Microscopy: Delineating Structure-Property-Processing Relationships in Hybrid Organic/Inorganic Nanomaterials</i> NL Yoder, MC Hersam; Northwestern University Tuesday, Room - 325/326, 08:30 Platform
62	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Preparation and Characterization of Optically-Resonant Atomically Flat Nanosurface Substrates for High-Resolution Scanning Probe Microscopy of Single Molecules</i> DH Dahayanaka, DW Kelle, DJ Wasielewski, ES Day, DR White, TD Mishima, CM Waite, JL Moore, RL Halterman, LA Bumm; University of Oklahoma Tuesday, Room - 325/326, 09:00 Platform Student
63	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Diffusion in SixGe_{1-x}/Si Nanowire heterostructures</i> X Zhang, J Kulik, E Dickey; The Pennsylvania State University Tuesday, Room - 325/326, 11:15 Platform Student
64	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Characterization of AuFe-C Core-shell Nanoparticles</i> H Li, H Dai, L Xing, R Sinclair; Stanford University Tuesday, Room - 325/326, 11:45 Platform Student

65	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Bridging the Imaging Gap in Nanobiology with Three-Dimensional Electron Microscopy</i> S Subramaniam; National Institutes of Health Tuesday, Room - 325/326, 13:30 Platform
66	P01 - Microscopy in Nanoscience and Nanotechnology	<i>A Method for 3 Dimensional Structural and Compositional Imaging of Nano-materials</i> T Yaguchi, Y Kuroda, M Konno, T Kamino, K Kaji; Hitachi High-Technologies Corp, Japan; M Watanabe; Lehigh University Tuesday, Room - 325/326, 14 Platform
67	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Three-Dimensional Imaging of Deformed Nanotubes by Metal Contacts using HAADF-STEM Tomography</i> JJ Cha, M Weyland, D Muller; Cornell University Tuesday, Room - 325/326, 14:15 Platform Student
68	P01 - Microscopy in Nanoscience and Nanotechnology	<i>3-D Imaging of Non-Spherical Silicon Nanoparticles Embedded in Silicon Oxide by Plasmon Tomography</i> A Yurtsever, M Weyland, D Muller; Cornell University Tuesday, Room - 325/326, 14:30 Platform Student
69	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Carbon Nanotube - Substrate Interface Characteristics Studied via TEM</i> TS Zheleva, SJ Kilpatrick, MH Ervin; U.S. Army Research Laboratory; X Li, A Cao, PM Ajayan; Rensselaer Polytechnic Institute Tuesday, Room - Exhibit Hall, 15:30 Poster
70	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Effect of RF-PECVD Synthesis Conditions on the Carbon Nanotube Growth</i> T Jutarosaga, S Seraphin; University of Arizona; Y Wei, SM Smith; Motorola Inc. Tuesday, Room - Exhibit Hall, 15:30 Poster Student
71	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Lattice Fringe Signatures of Epitaxy on Nanotubes</i> J Wang, P Fraundorf; University of Missouri-St.Louis Tuesday, Room - Exhibit Hall, 15:30 Poster Student
72	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Microscopy Study of Carbon Nanotubes Produced by Electrical Discharge in Liquid</i> V Manevych; Holon Institute of Technology, Israel; O Jartovskiy; Donbass Engineerig Academy, Ukraine; A Axelevitch, I Lapsker, G Golan, G Makrinich, B Gorenstein, A Verdyan; Holon Institute of Technology, Israel Tuesday, Room - Exhibit Hall, 15:30 Poster
73	P01 - Microscopy in Nanoscience and Nanotechnology	<i>TEM Study of Amorphous Carbon Nanotubes Produced by Direct Chlorination of Ferrocene</i> E Urones-Garrote, D Ivila-Brande, NA Katcho, A GUmmez-Herrero; Universidad Complutense de Madrid; IR Landa-C.novas; Instituto de Ciencia de Materiales de Madrid,

		CSIC; LC Otero-Diaz; Universidad Complutense de Madrid Tuesday, Room - Exhibit Hall, 15:30 Poster Student
74	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Carbon Nanotubes Structure Modification and Syntehsis of Nanocrystalline Diamond Nanotube Composites</i> S Trasobares; Universidad de Cadiz; J Birrell, X Xiao; Argonne National Laboratory; C Ewels, O Stephan; UniversitE Paris Sud; JA Carlisle; Argonne National Laboratory; PM Ajayan; Rensselaer Polytechnic Institute; D Miller; Argonne National Laboratory Tuesday, Room - Exhibit Hall, 15:30 Poster
75	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Scanning Electron Microscopy Methods for Analysis of Polymer Nanocomposites</i> D Dikin, K Kohlhaas, G Dommett, S Stankovich, R Ruoff; Northwestern University Tuesday, Room - Exhibit Hall, 15:30 Poster
76	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Electron Microscopy Characterization of Al₂O₃ and ZnO Coated Carbon Nanotubes</i> JM Green, T Gutu, L Dong, J Jiao; Portland State University; JF Conley, Y Ono; Sharp Labs of America Tuesday, Room - Exhibit Hall, 15:30 Poster Student
77	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Effect of Deposition Condition on Composite Supercapacitor of Hydrous Ruthenium Oxides and Carbon-Nanotube Coatings by Cathodic Deposition Method</i> Y Lin, H-S Hwang; Chung Hua University Tuesday, Room - Exhibit Hall, 15:30 Poster
78	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Electron Microscopy Characterization of Carbon Nanotube Based Electrical and Mechanical Test Structures</i> D McClain, J Jiao; Portland State University; C McCarter, D Bahr, C Richards, R Richards; Washington State University Tuesday, Room - Exhibit Hall, 15:30 Poster Student
79	P01 - Microscopy in Nanoscience and Nanotechnology	<i>The Effect of Heating on the Surface Charge of Copper Oxide Nanorods</i> S Gangopadhyay, R Shende, S Hasan, LM Ross, Jr.; University of Missouri Tuesday, Room - Exhibit Hall, 15:30 Poster
80	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Morphology, Electronic and Optical Properties of Si Nanowires</i> P-S G Kim, GA Botton; McMaster University; TK Sham; University of Western Ontario Tuesday, Room - Exhibit Hall, 15:30 Poster
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81	P01 - Microscopy in Nanoscience and Nanotechnology	Synthesis and Structural Characterization of Sulfur Nanowires. P Santiago, E Carvajal, D Mendoza, L Rendon; Universidad Nacional Autonoma de Mexico Tuesday, Room - Exhibit Hall, 15:30 Poster Student
82	P01 - Microscopy in Nanoscience and Nanotechnology	Interfaces of ZnO Nanowires Grown on Semiconducting Surfaces J Basu, R Divarkar, J Deneen, X Wang, HO Jacobs, CB Carter; University of Minnesota Tuesday, Room - Exhibit Hall, 15:30 Poster
83	P01 - Microscopy in Nanoscience and Nanotechnology	Nanowire Formation Using Templates of Self-Assembled Nanofold Networks on Surfaces of Layered Crystals F Dietz, E Spiecker; Christian-Albrechts-University of Kiel ; H Schroeder; Research Center J,lich; U Dahmen; National Center for Electron Microscopy ; W Jager; Christian-Albrechts-University of Kiel Tuesday, Room - Exhibit Hall, 15:30 Poster Student
84	P01 - Microscopy in Nanoscience and Nanotechnology	Growth of ZnO Nanorods: A TEM Study R Divakar, J Basu, CB Carter; University of Minnesota Tuesday, Room - Exhibit Hall, 15:30 Poster
85	P01 - Microscopy in Nanoscience and Nanotechnology	Formation of Iron Oxide Nanorods Using Electron Beam-Induced Deposition M Shimojo; Saitama Institute of Technology; M Takeguchi, W Lu, K Furuya; National Institute for Materials Science Tuesday, Room - Exhibit Hall, 15:30 Poster
86	P01 - Microscopy in Nanoscience and Nanotechnology	Lift-out and In-situ STM-TEM Studies of Individual GaN Nanowires ML Taheri, B Simpkins, P Pehrsson, RM Stroud; Naval Research Laboratory Tuesday, Room - Exhibit Hall, 15:30 Poster
87	P01 - Microscopy in Nanoscience and Nanotechnology	In-situ TEM Synthesis of WO₂.09:00Nanofibers: Characteristics and Growth Mechanism JF Al-Sharab, RK Sadangi, V Shukla, BM Kear; Rutgers University Tuesday, Room - Exhibit Hall, 15:30 Poster
88	P01 - Microscopy in Nanoscience and Nanotechnology	Nano-analysis of the Metallic Multilayers Using High Resolution Microscopy A Genc; The Ohio State University; R Banerjee; The University of North Texas; J Ringnald; FEI Electron Optics; DM Maher, HL Fraser; The Ohio State University Tuesday, Room - Exhibit Hall, 15:30 Poster Student
89	P01 - Microscopy in Nanoscience and Nanotechnology	Self-hardening of Nanocrystalline Ti-B-N Thin Films JG Wen; University of Illinois at Urbana-Champaign; PH Mayrhofer, C Mitterer; University of Leoben, Austria; JE

		Greene, I Petrov; University of Illinois at Urbana-Champaign Tuesday, Room - Exhibit Hall, 15:30 Poster
90	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Microstructure Investigation of Hydrous Ruthenium Oxides Coatings with Carbon-Nanotube Additive by Cathodic Deposition Method</i> Y Lin, H-S Hwang; Chung Hua University Tuesday, Room - Exhibit Hall, 15:30 Poster
91	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Analysis of Contamination in Nanoscaled Film Structures with TEM & XPS</i> QJ Huang, K Paing, CM Lilley; University of Illinois at Chicago Tuesday, Room - Exhibit Hall, 15:30 Poster Student
92	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Nanostructure Obtained by Sol-gel Acrylamide Polymerization in Y-V-O System.</i> GM Herrera PErez, E Chavira, J Jimenez-Mier, L BaOos, J Guzm.n, C Flores; Universidad Nacional AutUnoma de MExico Tuesday, Room - Exhibit Hall, 15:30 Poster Student
93	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Formation of Nanocrystalline Zeolites in Geopolymer Gels</i> JL Bell, P Sarin, WM Kriven; University of Illinois at Urbana Champaign Tuesday, Room - Exhibit Hall, 15:30 Poster Student
94	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Micro-structural characterization of inorganic cryptomelane nanomaterials synthesized by use of controlled O2 and cold aging in acidic conditions</i> L Ma, T Hartmann, MA Cheney, N Birkner; University of Nevada Las Vegas Tuesday, Room - Exhibit Hall, 15:30 Poster
95	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Nanostructural Characterization of YBa2Cu3O7-x Layers with BaZrO3 Rods Fabricated by Pulsed-Laser Deposition</i> T Kato, H Sasaki, Y Gotoh, Y Sasaki, T Hirayama; Japan Fine Ceramics Center; H Kobayashi, K Takahashi, M Konishi, A Ibi, S Miyata, Y Yamada, T Izumi, Y Shiohara; SRL-Nagoya Coated Conductor Center Tuesday, Room - Exhibit Hall, 15:30 Poster
96	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Characterization of Porous GaN-Nanostructured Rods by TEM Techniques</i> J-G Zheng; Northwestern University; S Ding, M Wu; Sun Yat-Sen (Zhongshan) University Tuesday, Room - Exhibit Hall, 15:30 Poster
97	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Electronic structure and luminescence properties of Er doped ZnO nanowires</i>

		J Wang, SK Hark, Q Li; The Chinese University of Hong Kong Tuesday, Room - Exhibit Hall, 15:30 Poster Student
98	P02 - In Situ and other Advanced Microscopy and Microanalysis of Catalytic Materials: Nanoparticles and Porous Solids for Catalysis, Energy and Environment	<i>Structural Characterization of Supported Metal Nanoparticles</i> JC Yang, F Xu, H Xu; University of Pittsburgh; L Menard, K Guy, L Wang; University of Illinois at Urbana-Champaign; A Frenkel; Yeshiva University; D Johnson, J Shapley, R Nuzzo; University of Illinois at Urbana-Champaign Tuesday, Room - 307, 08:30 Platform
99	P02 - In Situ and other Advanced Microscopy and Microanalysis of Catalytic Materials: Nanoparticles and Porous Solids for Catalysis, Energy and Environment	<i>In Situ Synthesis of Nanomaterials Using Environmental Scanning/Transmission Electron Microscope (ESTEM)</i> R Sharma; Arizona State University Tuesday, Room - 307, 09:00 Platform
100	P02 - In Situ and other Advanced Microscopy and Microanalysis of Catalytic Materials: Nanoparticles and Porous Solids for Catalysis, Energy and Environment	<i>In-Situ TEM Observations of Carbon Nanotube Growth By The Catalytic Decomposition of Acetylene</i> M Treacy, M Brown, P Rez, GH Du, R Sharma; Arizona State University Tuesday, Room - 307, 09:30 Platform
101	P02 - In Situ and other Advanced Microscopy and Microanalysis of Catalytic Materials: Nanoparticles and Porous Solids for Catalysis, Energy and Environment	<i>The Potential of Single Shot Dynamic TEM for Combined Nanosecond and Nanoscale In-Situ Microscopy</i> ND Browning; University of California-Davis; MR Armstrong, GH Campbell; Lawrence Livermore National Laboratory; JS Kim; University of California-Davis; WE King, TB LaGrange; Lawrence Livermore National Laboratory; CJ Mitterbauer; University of California-Tuesday, Room - 307, 10:30 Platform
102	P07 - Metallographic Preparation & Analysis of Polymer Materials	<i>Polymer/Carbon Nanotube Processing and Sample Preparation for Use in Nanotechnology</i> A Schrand; University of Dayton Tuesday, Room - 318, 15:15 Platform Student
103	X54 - Recent Advances in Atom Probe Tomography and Applications to Understanding Nanomaterials	<i>Recent Advances in Atom Probe Tomography and Applications to Understanding Nanomaterials</i> S Ringer; University of Sydney Tuesday, Room - 305, 13:30 Platform
104	A03 - Electron Energy Loss Spectroscopy for the 21st Century	<i>Spectrum Imaging and Scatter Diagrams for the Nanoscale Morphology Characterization of Hydrated Polymers</i> A Sousa, M Libera; Stevens Institute of Technology Wednesday, Room - 324, 15:15 Platform
105	A03 - Electron Energy Loss Spectroscopy for the 21st Century	<i>EELS Compositional Imaging of FeF₂-C Nanocomposite Used as a New Positive Electrode in</i>

		<p>Li-Ion Batteries J Al-Sharab, F Cosandey, G Amatucci; Rutgers University; J Bentley; Oak Ridge National Laboratory Wednesday, Room - Exhibit Hall, 15:30 Poster</p>
106	A03 - Electron Energy Loss Spectroscopy for the 21st Century	<p>STEM/EELS Studies of Nanoparticles C Mitterbauer, AL Pickering, SM Kauzlarich, PP Power, ND Browning; University of California at Davis Wednesday, Room - Exhibit Hall, 15:30 Poster</p>
107	A05 - FIB and FIB/SEM: Applications and techniques for Physical and Biological Sciences	<p>Focused Ion Beam as a Nanofabrication Tool for Rapid Prototyping of Nanomagnetic Devices S Khizroev, A Lavrenov, N Amos, R Chomko; Florida International University; D Litvinov; University of Houston Wednesday, Room - 327, 08:00 Platform</p>
108	A05 - FIB and FIB/SEM: Applications and techniques for Physical and Biological Sciences	<p>Electrical Characterization of a Single TiO₂ Nanotube by Using Modified FIB/SEM DK Cha, B Lee, J Huang, J Kim, RM Wallace, BE Gnade, MJ Kim; University of Texas at Dallas Wednesday, Room - 327, 08:45 Platform Student</p>
109	A05 - FIB and FIB/SEM: Applications and techniques for Physical and Biological Sciences	<p>Three-dimensional Nanostructure Fabrication by Focused-ion-beam Chemical-vapor-deposition S Matsui; University of Hyogo, Japan Wednesday, Room - 327, 10:30 Platform</p>
110	A05 - FIB and FIB/SEM: Applications and techniques for Physical and Biological Sciences	<p>New Electron and Ion Beam Chemistry for Nanotechnology JJ L Mulders; FEI Electron Optics Wednesday, Room - 327, 11:45 Platform</p>
111	A07 - Chemical Imaging in Microanalysis: 50th Anniversary of X-ray Mapping	<p>EDS and EELS Spectrum Imaging of Nanostructured Al₂O₃-MgO-MgAl₂O₄ J Bentley; Oak Ridge National Laboratory; JF Al-Sharab, F Cosandey; Rutgers University Wednesday, Room - 306, 11:30 Platform</p>
112	A07 - Chemical Imaging in Microanalysis: 50th Anniversary of X-ray Mapping	<p>Cryo-STEM EELS Mapping of Polymer Nanocolloids Preserved in Amorphous Ice G Kim; Dow Corning Corporation; A Sousa; Stevens Institute of Technology; D Meyers, M Shope; Dow Corning Corporation; M Libera; Stevens Institute of Technology Wednesday, Room - 306, 11:45 Platform</p>
113	A07 - Chemical Imaging in Microanalysis: 50th Anniversary of X-ray Mapping	<p>Uncovering Nanoscale Chemical Variations in the Third Dimension; Electron Tomography in the Analytical Mode M Weyland, A Yurtsever, P Ercius, D Muller; Cornell University Wednesday, Room - 306, 14 Platform</p>
114		

114	A09 - Advances in Low Voltage Microscopy and Microanalysis	<i>Low Voltage Imaging of Carbon Nanotubes With Tin-Palladium Particles Using STEM Detector in a FE-SEM</i> C Probst, R Gauvin, RA L Drew; McGill University Wednesday, Room - 308, 10:45 Platform Student
115	A09 - Advances in Low Voltage Microscopy and Microanalysis	<i>Probing Carrier Behavior at the Nanoscale in Gallium Nitride using Low Voltage Cathodoluminescence</i> MR Phillips; University of Technology, Australia; D Drouin, N Pauc; UniversitE de Sherbrooke Wednesday, Room - 308, 13:30 Platform
116	A09 - Advances in Low Voltage Microscopy and Microanalysis	<i>Realizing the Potential for Real Surface and Nanoparticle Analysis with an SEM</i> ED Boyes; DuPont Company Wednesday, Room - 308, 14:45 Platform
117	A13 - Tomography in Biological and Materials Sciences	<i>Transmission Electron Microtomography (TEMT) of Nanostructured Polymers under Dynamically Evolving Conditions</i> RJ Spontak; North Carolina State University; MB Braunfeld, DA Agard; University of California, San Francisco; H Jinnai; Kyoto Institute of Technology Wednesday, Room - 309, 11:15 Platform
118	A13 - Tomography in Biological and Materials Sciences	<i>Electron Tomographic Characterization of ErSi₂ and GexSi_{1-x} Nanoparticles Prepared by Doping of 4H-SiC</i> C Kuebel; Fraunhofer Institute, Bremen; U Kaiser; University of Ulm, Germany Wednesday, Room - 309, 11:45 Platform
119	A13 - Tomography in Biological and Materials Sciences	<i>High Resolution STEM Tomography of Nanomaterials</i> I Arslan; Sandia National Laboratories; JR Tong; University of Cambridge; D Medlin; Sandia National Laboratories; PA Midgley; University of Cambridge Wednesday, Room - 309, 13:30 Platform
120	A13 - Tomography in Biological and Materials Sciences	<i>Three-Dimensional Nanoscale Chemical Imaging via EFTEM Spectral Imaging</i> IM Anderson, JH J Scott, ZH Levine; National Institute of Standards and Technology Wednesday, Room - 309, 14:00 Platform
121	A13 - Tomography in Biological and Materials Sciences	<i>Three-dimensional Imaging of Nano-Voids in Copper Interconnects using Incoherent Bright Field (IBF) Tomography</i> PA Ercius, DA Muller, M Weyland; Cornell University; LM Gignac; IBM TJ Watson Research Center Wednesday, Room - 309, 14:30 Platform Student
122	A13 - Tomography in Biological and Materials Sciences	<i>Functionalized Holders for 3D S/TEM Imaging and Analysis of Nanoparticles</i> K Jarauschi; Hitachi High Technologies; D Leonard; North Carolina State University; T Kamino; Hitachi High

		Technologies Wednesday, Room - 309, 14:45 Platform
123	A13 - Tomography in Biological and Materials Sciences	<i>Electron Tomography of ZnO Nanoscale Tetrapods</i> S Mehraeen, J Evans, S Kim, JS Lee, N Browning; University of California Davis Wednesday, Room - Exhibit Hall, 15:30 Poster Student
124	A13 - Tomography in Biological and Materials Sciences	<i>Tomography of a Polymer/Carbon-Nanotube Matrix Composite</i> GB Thompson; University of Alabama at Tuscaloosa; M Abdalla, D Dean; University of Alabama at Birmingham Wednesday, Room - Exhibit Hall, 15:30 Poster
125	A19 - Microscopy, Imaging and Training in the Digital Age	<i>Nanoworld Webquests with Peer Review</i> P Fraundorf, K Stine; University of Missouri - St. Louis Wednesday, Room - Exhibit Hall, 15:30 Poster
126	B03 - Microbes and Materials: Surveillance of the Unknown with Emphasis on Emerging Diseases and Terrorist Events	<i>Vital Gene and Organelle Targeting with TiO₂-Oligonucleotide Nanocomposites in Leishmania donovani</i> A LeFurgey; Duke University Medical School; T Paunesku, G Woloschak; Northwestern University; P Ingram; Duke University Medical School Wednesday, Room - 305, 13:30 Platform
127	C74 - Atom Probe Field Ion Microscopy	<i>Three Dimensional Laser-assisted Atom-probe Tomography: Advanced Analysis of Si Nanostructures</i> K Thompson, DJ Larson, JH Bunton, RM Ulfig, TJ Prosa, JT Sebastian, DR Lenz, SS A Gerstl, DA Reinhard, JD Olson, TF Kelly; Imago Scientific Instruments Wednesday, Room - Exhibit Hall, 15:30 Poster
128	C74 - Atom Probe Field Ion Microscopy	<i>Measuring the Roughness of Buried Interfaces in Nanostructures by Local Electrode Atom Probe (LEAPAE) Analysis</i> RW O'Neill, DJ Larson, K Thompson, TC Kunicki, B Geiser; Imago Scientific Instruments Corporation Wednesday, Room - Exhibit Hall, 15:30 Poster
129	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Measurements of Functional Response of Nano-objects using Advanced Electron Microscopy</i> Y Zhu, T Beetz, L Wu, R Klie, L Huang, JW Lau, MA Schofield, VV Volkov, M Beleggia; Brookhaven National Laboratory; M Malac; National Institute for Nanotechnology, Canada Wednesday, Room - 325/326, 08:00 Platform
130	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Measuring the Mechanical Behavior of Individual Nanoparticles Inside a TEM</i> ZW Shan, AM Minor; Lawrence Berkeley Laboratory; SA Syed Asif, OL Warren; Hysitron Incorporated Wednesday, Room - 325/326, 08:30 Platform

131	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Magnetic Nanostructures: Lorentz TEM Studies of Magnetization Reversal Processes</i> A Petford-Long; Argonne National Laboratory; A Kohn, T Bromwich, A Eggeman; University of Oxford Wednesday, Room - 325/326, 08:45 Platform
132	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Formation of Oxide Nanostructure Investigated by In Situ UHV-TEM</i> L Sun, J Yang; University of Pittsburgh Wednesday, Room - 325/326, 09:15 Platform Student
133	P01 - Microscopy in Nanoscience and Nanotechnology	<i>In-Situ Growth of Passivation Oxide Layer on Fe-Nanoparticle under Electron-Beam Irradiation in a TEM</i> CM Wang, DR Baer, JE Amonette, MH Engelhard; Pacific Northwest National Laboratory; JJ Antony, Y Qiang; University of Idaho Wednesday, Room - 325/326, 09:30 Platform
134	P01 - Microscopy in Nanoscience and Nanotechnology	<i>In situ TEM Investigation of Nanoscale Oxidation of (001) Cu-Au alloys</i> G Zhou, J Eastman, R Birtcher, P Baldo, J Pearson, L Thompson; Argonne National Laboratory; L Wang, J Yang; University of Pittsburgh Wednesday, Room - 325/326, 09:45 Platform
135	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Nanostructured Conducting Polymer Coatings for Biomedical Devices</i> D Martin, M Abidian, J Hendricks, S Richardson-Burns, M Meier; University of Michigan; D-H Kim; Duke University; J Yang; Dow Chemical Company Wednesday, Room - 325/326, 10:45 Platform
136	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Nano- and Microporosity in Geopolymer Gels</i> JL Bell, M Gordon, WM Kriven; University of Illinois, Urbana Champaign Wednesday, Room - 325/326, 11:00 Platform
137	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Scanning Tunneling Microscopy and Spectroscopy of Peptide-Wrapped Single-Walled Carbon Nanotubes</i> IH Musselman, VZ Poenitzsch, GR Dieckmann; University of Texas, Dallas Wednesday, Room - 325/326, 11:15 Platform
138	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Nanotechnology in the Laboratory and in Society</i> ED Boyes; DuPont Company Wednesday, Room - 325/326, 11:30 Platform
139	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Center for Integrated Nanotechnologies</i> JM Phillips; Sandia National Laboratories; A Taylor, ST Picraux; Los Alamos National Laboratory; ND Shinn; Sandia National Laboratories

		Wednesday, Room - 325/326, 13:30 Platform
140	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Novel Approaches to Nanofabrication Using an Environmental STEM</i> PA Crozier; Arizona State University Wednesday, Room - 325/326, 14 Platform
141	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Patterning and Identity of Functional Oxide Nanostructures</i> Z Pan, V Dravid; Northwestern University Wednesday, Room - 325/326, 14:30 Platform Student
142	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Nanocavity Networks by Folding Sheets of Layered Crystals</i> E Spiecker; Lawrence Berkeley National Laboratory, Germany; AK Schmid, AM Minor; Lawrence Berkeley National Laboratory, Germany; U Dahmen; Lawrence Berkeley National Laboratory, ; W J0/00ger, S Hollensteiner; Christian-Albrechts-University, Germany Wednesday, Room - 325/326, 14:45 Platform
143	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Extended BaZrO3 Nanodot Columns in Thick YB2Cu3O7 Film</i> J Li, S Kang, A Goyal; Oak Ridge National Laboratory Wednesday, Room - 325/326, 15:00 Platform
144	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Morphology and Phase Ordering in Polymer-Derived Nanoceramics</i> S Taylor, J Wan, P Malenfant, A Alizadeh, M Manoharan; General Electric Global Research Wednesday, Room - 325/326, 15:15 Platform
145	P05 - Visualizing and Measuring Mechanical Behavior at Small Length Scales	<i>Strain Tensor Mapping at the Nanoscale using Electron Back Scatter Diffraction</i> A Wilkinson; University of Oxford; G Meaden; BLG Productions, Bristol ; D Dingley; University of Bristol Wednesday, Room - 315, 08:45 Platform
146	P05 - Visualizing and Measuring Mechanical Behavior at Small Length Scales	<i>Direct Mechanical Measurement of the Tensile Strength and Elastic Modulus of Multiwalled Carbon Nanotubes</i> BG Demczyk, YM Wang, J Cumings, M Hetman, W Han, A Zettl, RO Ritchie; University of California Wednesday, Room - 315, 11:15 Platform
147	P05 - Visualizing and Measuring Mechanical Behavior at Small Length Scales	<i>Analysis of Nano-scale Strain Near Shallow Trench Isolation Structures by Energy-filtered Convergent Beam Electron Diffraction</i> P Zhang; Lawrence Berkeley National Laboratory; J Mardinly, O Karpenko; Intel Corporation; A Istratov, H He, J Ager, C Nelson; Lawrence Berkeley National Laboratory; E Stach; Purdue University; C Kisielowski, E Weber, J Spence; Lawrence Berkeley National

		Wednesday, Room - 315, 11:45 Platform Student
148	P05 - Visualizing and Measuring Mechanical Behavior at Small Length Scales	<i>Nanoscale Mechanics of Ductile Interphases in Oxide Composites</i> N Alem, VP Dravid; Northwestern University Wednesday, Room - 315, 14:15 Platform Student
149	P05 - Visualizing and Measuring Mechanical Behavior at Small Length Scales	<i>From Hardness Testing Relying on Optical Imaging to Quantitative In-Situ Nanoindentation in a Transmission Electron Microscope</i> OL Warren, SA S Asif; Hysitron, Inc.; AM Minor, Z Shan; Lawrence Berkeley National Laboratory; EA Stach; Purdue University Wednesday, Room - 315, 14:30 Platform
150	P05 - Visualizing and Measuring Mechanical Behavior at Small Length Scales	<i>Contacting Nanospheres</i> J Deneen, W Mook, W Gerberich, CB Carter; University of Minnesota Wednesday, Room - Exhibit Hall, 15:30 Poster Student
151	P06 - Microscopy and Microanalysis of Magnetic Materials	<i>Magnetic Nanostructures: In-Situ Assembly and Exploration of Low-Dimensional Systems by Spin-Polarized Low-Energy Electron Microscopy</i> N Rougemaille, AK Schmid; Lawrence Berkeley National Laboratory; M Portalupi; Politecnico di Milano; A Lanzara; University of California Berkeley; P Biagioni, A Brambilla, M Finazzi, L DuU; Politecnico di Milano Wednesday, Room - 302/304, 11:00 Platform
152	P06 - Microscopy and Microanalysis of Magnetic Materials	<i>Electronic Spin-Precession in Magnetic Nanostructures</i> C Klein; Lawrence Berkeley National Laboratory; JC H Spence; Arizona State University; AK Schmid; Lawrence Berkeley National Laboratory Wednesday, Room - 302/304, 11:30 Platform
153	P06 - Microscopy and Microanalysis of Magnetic Materials	<i>Nanoscale Characterization of Materials for Magnetic Recording Applications</i> D Larson; Imago Scientific Instruments Corp. Wednesday, Room - 302/304, 14:00 Platform
154	P06 - Microscopy and Microanalysis of Magnetic Materials	<i>Fabrication and Characterization of Magnetic Nanostructures with Different Iron Concentration</i> M Takeguchi, M Shimojo, R Che, K Furuya; National Institute for Materials Science, Japan Wednesday, Room - Exhibit Hall, 15:30 Poster
155	P09 - Analytical Limits in the Analysis of Nanotechnology	<i>Synthesis and Theoretical Modeling of Crystalline Pb Nanowires.</i> P Santiago; Universidad Nacional AutUnoma de MExico; M Perez-Alvarez; Instituto Nacional de Investigaciones ; L Rendon; Universidad Nacional AutUnoma de MExico Wednesday, Room - Exhibit Hall, 15:30 Poster

156	P09 - Analytical Limits in the Analysis of Nanotechnology	<i>In-situ TEM Observations of Nucleation and Growth of W-nanowires on SiO₂ Substrates in an Electron-beam-induced Deposition Process</i> M Song, M Kazutaka, L Zhiquan, T Masaki, F Kazuo; National Institute for Materials Science, Japan Wednesday, Room - Exhibit Hall, 15:30 Poster
157	P10 - Multi-length Scale Characterization of Materials from Nanometer to Millimeter	<i>Nanostructure and EELS Characterization of Diluted Magnetic Semiconductor Zn_{1-x}CoxO Nanoneedles</i> WL Zhou, J Chen; University of New Orleans; K Sun, L Wang; University of Michigan Wednesday, Room - 318, 08:30 Platform
158	P10 - Multi-length Scale Characterization of Materials from Nanometer to Millimeter	<i>Calibration and Test Structures for Nanometrology</i> J Kim, S Deo, K Jalhadi; University of Tennessee; S-Y Lee; Auburn University; D Joy; University of Tennessee, Oak Ridge National Laboratory Wednesday, Room - 318, 09:00 Platform Student
159	P10 - Multi-length Scale Characterization of Materials from Nanometer to Millimeter	<i>Ordered Interstitial Fe Introduced New Phase In Fe_{2+x}O₃ Nanowires</i> Y Ding, JR Morber, ZL Wang, RL Snyder; Georgia Institute of Technology Wednesday, Room - 318, 10:30 Platform
160	A03 - Electron Energy Loss Spectroscopy for the 21st Century	<i>An ELNES Study of SiO₂ Nanowires Grown from a Patterned Reagent</i> F Wang, M Malac, RF Egerton, P Li, A Meldrum, MR Freeman; University of Alberta Thursday, Room - 324, 0.8958 Platform Student
161	A03 - Electron Energy Loss Spectroscopy for the 21st Century	<i>Controlled Growth and Spectroscopy Study of Oxide Nanobelts</i> ZL Wang, Y Ding; Georgia Institute of Technology Thursday, Room - 324, 09:30 Platform
162	A03 - Electron Energy Loss Spectroscopy for the 21st Century	<i>Optical Gap Measurements of Boron Nitride Nanotubes by EELS</i> R Arenal; Argonne National Laboratory; O Stephan, M Kociak, D Taverna; Universite Paris XI Orsay; A Loiseau; ONERA; C Colliex; Universite Paris XI Orsay Thursday, Room - 324, 14:00 Platform
163	A03 - Electron Energy Loss Spectroscopy for the 21st Century	<i>Screening of Individual Nanostructures with STEM-EELS and EFTEM Spectral Imaging</i> I Anderson, J Scott; National Institute of Standards and Technology; K Klein, A Melechko, M Simpson; Oak Ridge National Laboratory Thursday, Room - 324, 14:30 Platform
164	A08 - Ultrafast Electron Microscopy	<i>Towards Ultrafast Diffraction and Spectroscopy of Interfaces and Nanomaterials Using Femtosecond</i>

		<p>Focused Electron Pulses C-Y Ruan, Y Murooka, RK Raman, R Murdick, M Khasawneh; Michigan State University Thursday, Room - 301/303, 10:45 Platform</p>
165	A13 - Tomography in Biological and Materials Sciences	<p>3D Imaging of Nanomaterials by Discrete Tomography KJ Batenburg; Leiden University ; U Kaiser; Universit0/00t Ulm, Germany; C K, bel; Fraunhofer Institute, Bremen, Germany Thursday, Room - 309, 14:45 Platform Student</p>
166	C74 - Atom Probe Field Ion Microscopy	<p>Atomic Scale Compositional and Structural Characterization of Nanostructured Materials Using Combined FIB, STEM, and LEAP B Gorman, D Diercks, M Kaufman; University of North Texas; R Ulfing, D Lawrence, K Thompson, D Larson; Imago Scientific Instruments Thursday, Room - 318, 08:15 Platform</p>
167	P01 - Microscopy in Nanoscience and Nanotechnology	<p>Structural Characterization of Carbon Nanotubes P Lambin, JF Colomer, L Henrard, A Lucas; Facultes Universitaires Notre-Dame de la Paix; V Meunier; Oak Ridge National Laboratory Thursday, Room - 325/326, 08:00 Platform</p>
168	P01 - Microscopy in Nanoscience and Nanotechnology	<p>X-ray Microscopy Techniques for Nanostructure Analysis J Kirz; Lawrence Berkeley National Laboratory Thursday, Room - 325/326, 08:30 Platform</p>
169	P01 - Microscopy in Nanoscience and Nanotechnology	<p>Atomic Resolution Electron Diffraction Imaging of Metallic Nanoclusters W Huang, B Jiang, J-M Zuo; University of Illinois Urbana-Champaign Thursday, Room - 325/326, 09:15 Platform Student</p>
170	P01 - Microscopy in Nanoscience and Nanotechnology	<p>Assignment of Chiral Indices of Boron Nitride Nanotubes by Electron Diffraction R Arenal; Argonne National Laboratory; M Kociak; Universite Paris XI Orsay; A Loiseau; ONERA; DJ Miller; Argonne National Laboratory Thursday, Room - 325/326, 09:30 Platform</p>
171	P01 - Microscopy in Nanoscience and Nanotechnology	<p>Imaging Electronic Phase Separation in La_{1-x}CaxMnO₃ Using Electron Nano-Diffraction J Tao; Oak Ridge National Laboratory; W Luo; Vanderbilt University; D Niebieskikwiat; University of Illinois Urbana-Champaign; M Varela; Oak Ridge National Laboratory; M Salamon; University of Illinois Urbana-Champaign; S Pantelides; Vanderbilt University Thursday, Room - 325/326, 09:45 Platform</p>
172	P01 - Microscopy in Nanoscience and	<p>Structure of Multiwall Nanotubes-Different Models and</p>

	Nanotechnology	<i>Electron Diffraction Results</i> J-M Zuo, A Celik-Aktas, M Gao; University of Illinois Urbana-Champaign Thursday, Room - 325/326, 10:30 Platform
173	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Using STEM Image as a Map for Parallel Beam Electron Diffraction from a Nano-Particle on a TEM-STEM System</i> H He, JC H Spence; Arizona State University Thursday, Room - 325/326, 10:45 Platform
174	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Radiation Damage of C60 Single Molecules Encapsulated in Carbon Nanotube</i> M Koshino, S Kazutomo, N Eiichi; University of Tokyo Thursday, Room - 325/326, 11:15 Platform
175	P01 - Microscopy in Nanoscience and Nanotechnology	<i>Transmission Electron Microscopy of Polymer-Graphene Nanocomposites</i> KM Kohlhaas; Northwestern University; EA Stach; Purdue University ; S Stankovich, RS Ruoff; Northwestern University Thursday, Room - 325/326, 11:45 Platform Student

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