List of Publications

2013


3. M. Boominathan; N. Pugazhenthiran; M. Nagaraj; S. Muthusubramanian; S. Murugesan; and N. Bhuvanesh. "Nanoporous Titania-Supported Gold Nanoparticle-Catalyzed Green Synthesis of 1,2,3-Triazoles in Aqueous Medium." ACS Sustainable Chem. Eng.: Ahead of Print.


2012


23. M. Nagaraj; M. Iniya; M. Boominathan; S. Muthusubramanian; and N. Bhuvanesh. "Synthesis of cyclic nitrone and 1,2-oxazine from 1,2,4-triaryl-but-2-ene-1,4-dione and hydroxylamine." *J. Chem. Sci. (Bangalore, India)* 124, no. 4 (2012): 913-919.


39. H. Mizoguchi; L. N. Zakharov; N. S. P. Bhuvanesh; A. W. Sleight; and M. A. Subramanian. "Synthesis and crystal structure of two new cerium rhodium oxides: Ce2/3-xRh3+2O4 (x≈0.12) with Ce mixed valency and Ce4+Rh3+2O5." J. Solid State Chem. 184, no. 6 (2011): 1381-1386.


2010


45. G. R. Owen; S. Gauthier; N. Weisbach; F. Hampel; N. Bhuvanesh; and J. A. Gladysz. "Towards multistranded molecular wires: Syntheses, structures, and reactivities of tetraplatinum bis(polyynediyl) complexes with Pt-Cx-Pt-(P(CH2)3P)2-Pt-Cx-Pt-(P(CH2)3P)2 cores (x = 4, 6, 8)." Dalton Trans. 39, no. 22 (2010): 5260-5271.

2009


49. S. Gauthier; N. Weisbach; N. Bhuvanesh; and J. A. Gladysz. ""Click" Chemistry in Metal Coordination Spheres: Copper(I)-Catalyzed 3+2 Cycloadditions of Benzyl Azide and Platinum Polynyl Complexes trans-(C6F5)(p-tol3P)2Pt(C≡C)nH (n = 2-6)." Organometallics 28, no. 19 (2009): 5597-5599.


2008


2007


2006


2005


2004


2003


2002


2001


2000

76. N. S. P. Bhuvanesh; M.-P. Crosnier-Lopez; H. Duroy; and J.-L. Fourquet. "Synthesis, characterization and dehydration study of H$_2$A$_0.5n$B$_n$O$_{3n+1}$·xH$_2$O (n = 2 and 3, A = Ca, Sr and B = Nb, Ta) compounds obtained by ion-exchange from the layered Li$_2$A$_0.5n$B$_n$O$_{3n+1}$ perovskite materials." *J. Mater. Chem.* 10, no. 7 (2000): 1685-1692.

1999

77. N. S. P. Bhuvanesh; M. P. Crosnier-Lopez; H. Duroy; and J. L. Fourquet. "Synthesis and structure of novel layered perovskite oxides: Li$_2$La$_1.78$Nb$_{0.66}$Ti$_{2.34}$O$_{10}$, a new family, Li$_2$[A$_{0.5n}$B$_n$O$_{3n+1}$]." *J. Mater. Chem.* 9, no. 12 (1999): 3093-3100.

78. M. P. Crosnier-Lopez; N. S. P. Bhuvanesh; H. Duroy; and J. L. Fourquet. "Irreversible electron-induced structural change during HREM imaging in lithium Ruddlesden-Popper phases in the series Li$_2$La$_x$(Nb$_{2n-3}$Ti$_{3x-n}$)O$_{3n+1}$ (n = 2,3,4) and Li$_2$Sr$_{1.5}$(Nb$_{3-x}$Fex)O$_{10-x}$." *J. Solid State Chem.* 145, no. 1 (1999): 136-149.

79. N. S. P. Bhuvanesh; M. P. Crosnier-Lopez; O. Bohnke; J. Emery; and J. L. Fourquet. "Synthesis, Crystal Structure, and Ionic Conductivity of Novel Ruddlesden-Popper Related Phases, Li$_4$Sr$_3$Nb$_5$Fe$_{0.77}$Fe$_{0.23}$O$_{19.77}$ and Li$_4$Sr$_3$Nb$_6$O$_{20}$." *Chem. Mater.* 11, no. 3 (1999): 634-641.

1998


1997


1996


1995


1994


Contributions in Books

1. Principles and applications of powder diffraction
   A. Clearfield, J.H. Reibenspies, N.S.P. Bhuvanesh (Eds.)
   Wiley, UK 2008
2. Practical Aspects (Chapter 3)
   J.H. Reibenspies and N.S.P. Bhuvanesh
   in Principles and Applications of Powder X-ray diffraction
   Wiley, UK 2008
3. X-ray powder diffraction
   A. Cleafield, N.S.P. Bhuvanesh
   in Applications of Physical Methods to Inorganic and Bioinorganic Chemistry; 2007

Conferences and Technical Schools

- **Instructor:** TOPAS Spotlight Series, 2007-present
- **Virtual Instructor:** Practical Powder Diffraction Course marketed exclusively by Bruker AXS, Inc.
- **Instructor:** Powder XRD Data Collection and Analysis, Online Course, Madison, WI, 2008
- **Instructor:** Training Clients on Powder X-ray Diffraction Training; Consultant for Bruker AXS, Madison, WI (2007 - present)
- **Instructor:** DIFFRACplus TOPAS Applications Training, Madison, WI, 2008
- **Co-organizer** and **Invited Speaker:** of the 2005 ACA workshop on Structure Solution and Refinement of difficult structures using powder diffraction
- **Invited Faculty:** American Crystallographic Association Summer Course, Indiana University at Pennsylvania, Indiana, PA, 2004
- Invited Lecture, American Crystallographic Association, Orlando, FL, 2005
- Invited Lecture, 13th Bruker-Nonius Area Detector Users Group Meeting, Madison, WI, 2005
- Invited Lecture, American Crystallographic Association, Chicago, IL, 2004
- Invited Lecture, American Crystallographic Association, Covington, KY, 2003
- Invited Lecture, 12th Bruker Area Detector Users Group Meeting, Madison, WI, 2003
- Poster presentation, Gordon Research Conference, New London, NH, 2002
- Poster presentation, American Conference on Neutron Scattering, Knoxville, TN, 2002
- Pittsburgh Diffraction Society Conference, Covington, Kentucky, 2001
- Workshop on high resolution NMR for solids, Le Mans, France, 1998