The following pages list all publication citations reported to the NSLS in FY 2003 (October 1, 2002 through September 30, 2003). Citations are listed in order of beamline number and then alphabetically by the last name of the first author. This list contains unique citations for journal, published conference proceedings, books, chapters in books, formal reports, informal reports, technical reports, theses, dissertations, and patents when reported. For citation submissions where research was performed on more than one beamline, the citation is listed under each beamline. However, each citation was only counted once. Citations bearing publication dates prior to the previous fiscal year’s activity report. Diligent effort has been made to ensure that each reference is unique and complete. For journal articles, online searches were performed to locate missing reference information (e.g., year of publication, volume, issue or page numbers). With regard to conference papers, considerable effort was put into ensuring that the citations appeared in published proceedings. Many citations for conferences papers have been omitted from this list if verification could not be made. We apologize to our users and authors for any citations incorrectly omitted.

Several types of journal articles are reported in this list, including premiere journals, peer-reviewed journals and a few that are not peer-reviewed. Premiere journals include: Physical Review Letters, Science, Nature, Cell, EMBO Journal, Nature Structural Biology, Proceedings of the National Academy of Sciences of the United States of America, Structure, and Applied Physics Letters.

In FY 2003, the following types and numbers of publication citations were reported to the NSLS where research was performed in part or in whole at the NSLS.

| Journals, peer-reviewed, premiere | 113 |
| Journals, other peer-reviewed | 440 |
| Journals, non peer-reviewed | 22 |
| **Total Journals and Magazines** | **575** |
| Books/Chapters in Books | 17 |
| Published Conference Proceedings | 59 |
| Reports: Technical, Formal, Informal | 1 |
| Theses/Dissertations | 9 |
| Patents | 1 |
| **Total Misc. Publications** | **87** |
| **Total Citations Listed** | **662** |

**NSLS Users**

**Beamline U1A**


**Beamline U2A**


**Beamline U2B**


R Huang, L Miller, C Carlson, M Chance. FTIR Analysis of Tibia Bone from Ovariectomized Cynomolgus Monkeys (Macaca fascicularis) and the Effect of Nandrolone Deconato Treatment. *Bone*. 30 (2), 492-497 (2002).


**Beamline U4B**


**Beamline U4IR**


**Beamline USUA**


**Beamline U7A**


Beamline U8B


Beamline U10A


**Beamline U10B**


R Huang, L Miller, C Carlson, M Chance. FTIR Analysis of Tissue Bone from Ovariectomized Cynomolgus Monkeys (Macaca fasciularis) and the Effect of Nandrolone Deconaoate Treatment. *Bone.* **30** (2), 492-497 (2002).


**Beamline U12A**


**Beamline U12IR**


**Beamline U13UB**


**Beamline X1A1**


**Beamline X1A2**


**Beamline X1B**


**Beamline X2B**


**Beamline X3A1**


**Beamline X3A2**


R Somani, L Yang, B Hsiao, P Agarwal, H Fruitwala, A Tsou. Shear-Induced Precursor Structures in Isotactic Polypropylene Melt by in-Situ Rheo-SAXS

**Beamline X3B1**


**Beamline X4A**


N Armstrong, M Mayer, E Gouaux. Tuning activation of the AMPA-sensitive GluR2 ion channel by genetic adjustment of agonist-induced conformational changes. Proc Natl Acad Sci USA. 100 (10), 5736-5741 (2003).


V Robinson, J Hwang, E Fox, M Inouye, A Stock. Domain Arrangement of Der, a Switch Protein
Containing Two GTPase Domains.. Structure. 10 (12), 1649 (2002).
X Tao, Y Xu, Y Zhang, A Beg, L Tong. An Extensively Containing Two GTPase Domains.. Structure. 10 (12), 1649 (2002).

Beamline X6A

Beamline X6B

Beamline X7A
Beamline X7B

A Christensen, T Jensen, N Scarlett, I Madsen. n-situ Beamline X7B


Beamline X8C


**Beamline X9A**


X Guo, X Wen, LEsser, B Quinn, L Yu, C Yu, D Xia. Structural Basis for the Quinone Reduction in the b1 Complex: A Comparative Analysis of Crystals of Mitochondrial Cytochrome b1 with Bound Substrate and Inhibitors at the Qi Site. Biochemistry. 42, 9067-9080 (2003).


M Lim, J Rohde, A Stubna, M Bukowski, M Costas, R Ho, E Munck, W Nam, L Que. An FeIV==O complex of a tetradentate tripodal nonheme ligand. Proc Natl Acad Sci USA. 100 (7), 3665-3670 (2003).


Beamline X10A


Beamline X10B


Beamline X10C


Beamline X11A


**Beamline X12B**


**Beamline X12C**


**Beamline X13A**


**Beamline X13B**


**Beamline X14A**


Q Qian, T Tyson, C Dubourdieu, A Bossak, J Sénateur, M Deleon, J Bai, G BonFait, J Maria. Structural, magnetic, and transport studies of La0.8MnO3 films. J. Appl. Phys. 92 (8), 4518 (2002).

Beamline X15A


Beamline X16C


Beamline X17B1


Beamline X17C


D. He, Y. Zhao, T. Sheng, R. Schwarz, J. Qian, K. Lokshin, S. Bobev, L. Daemen, H. Mao, J. Hu. Bulk
Y Lee, J Hriljac, S Kim, J Hanson, T Vogt. Pressure-Induced Hydration at 0.6 GPa in a Synthetic Gallosilicate Zeolite. J. Am. Chem. Soc. 125, 6036-6037 (2003).

Beamline X18A

Beamline X18B
T Das, G Jacobs, P Patterson, W Conner, J Li, B Davis. Fischer-Tropsch synthesis: characterization


### Beamline X19A


N Shah, S Pattanaik, F Huggins, D Panjala, G Huffman. XAFS and Mössbauer spectroscopy characterization of supported binary catalysts for...


**Beamline X19C**


**Beamline X20C**


**Beamline X21**


**Beamline X22A**


**Beamline X22B**

E DiMasi, V Patel, M Sivakumar, M Olsztza, Y Yang, L Gower. Polymer-Controlled Growth Rate of an Amorphous Mineral Film Nucleated at a Fatty Acid Monolayer. Langmuir. 18, 8902-8909 (2002).


**Beamline X22C**


**Beamline X23A2**


**Beamline X23B**


**Beamline X24A**


**Beamline X24C**


**Beamline X25**


A Prota, J Campbell, P Schelling, J Forrest, M Watson, T Peters, M Aurand-Lions, B Imhof, T Dermody, T Stehle. Crystal structure of human junctional adhesion molecule 1: Implications for...

Beamline X26A

**Beamline X26C**


**Beamline X27C**


**Beamline X28C**


