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MLF : BL01  
他施設 : ISIS, PSI
  
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*Phys. Rev. B*, **93**, 214308, (2016).  
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MLF : BL01  
他施設 : ISIS, PSI
  
- 3 Q. Wang, Y. Shen, B. Pan, X. Zhang, K. Ikeuchi, K. Iida, A. D. Christianson, H. C. Walker, D. T. Adroja, M. Abdel-Hafiez, X. Chen, D. A. Chareev, A. N. Vasiliev, J. Zhao  
*Magnetic ground state of FeSe*  
*Nat. Comm.*, **7**, 12182, (2016).  
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MLF : BL01  
他施設 : ISIS, SNS
  
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MLF : BL02

- 5 F. Gubkin, E. P. Proskurina, Y. Kousaka, E. M. Sherokalova, N. V. Selezneva, P. Miao, S. Lee, J. Zhang, Y. Ishikawa, S. Torii, T. Kamiyama, J. Campo, J. Akimitsu, N. V. Baranov  
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<https://doi.org/10.1063/1.4939558>  
MLF : BL08
- 6 Sanghyun Lee, Yoshihisa Ishikawa, Ping Miao, Shuki Torii, Toru Ishigaki, Takashi Kamiyama  
*Magnetoelastic coupling forbidden by time-reversal symmetry: Spin-direction-dependent magnetoelastic coupling on MnO, CoO, and NiO*  
*PHYSICAL REVIEW B*, **93**, 064429, (2016).  
<https://doi.org/10.1103/PhysRevB.93.064429>  
MLF : BL08
- 7 Shinya Shiotani, Takahiro Naka, Makoto Morishima, Masao Yonemura, Takashi Kamiyama, Yoshihisa Ishikawa, Yoshio Ukyo, Yoshiharu Uchimoto, Zempachi Ogumi  
*Degradation analysis of 18650-type lithium-ion cells by operando neutron diffraction*  
*JOURNAL OF POWER SOURCES*, **325**, 404, (2016).  
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MLF : BL09
- 8 Sou Taminato, Masao Yonemura, Shinya Shiotani, Takashi Kamiyama, Shuki Torii, Miki Nagao, Yoshihisa Ishikawa, Kazuhiro Mori, Toshiharu Fukunaga, Yohei Onodera, Takahiro Naka, Makoto Morishima, Yoshio Ukyo, Dyah Sulistyanintyas Adipranoto, Hajime Arai, Yoshiharu Uchimoto, Zempachi Ogumi, Kota Suzuki, Masaaki Hirayama, Ryoji Kanno  
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*SCIENTIFIC REPORTS*, **6**, 28843, (2016).  
<https://doi.org/10.1038/srep28843>  
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*Two-dimensional imaging of charge/discharge by Bragg edge analysis of electrode*

*materials for pulsed neutron-beam transmission spectra of a Li-ion battery*  
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MLF : BL09

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*Scientific Reports*, **6**, (2016).

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MLF : BL11, LabCROSS

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MLF : BL11, LabCROSS

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MLF : BL12

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*Neutron Sources, JAEA-Conf 2015-002*, 319, (2016).  
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MLF : BL12

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Kishimoto, Daisuke Yamaguchi, Takayuki Kumada, Shin-ichi Takata, Kazuki  
Ohishi, Jun-ichi Suzuki  
*Contrast variation by dynamic nuclear polarization and time-of-flight small-angle*  
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MLF : BL15

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MLF : BL15

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Takata  
*Gelation process of polyacrylonitrile solutions as studied using small-angle neutron*  
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MLF : BL15

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Adachi, Jun-ichi Suzuki, Toshihiro Tsuchiyama, Elliot Paul Gilbert, Masaaki Sugiyama  
*Magnetic scattering in the simultaneous measurement of small-angle neutron*

*scattering and Bragg edge transmission from steel*

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MLF : BL15

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MLF : BL16
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MLF : BL17

他施設 : JAEA (XRD), CROSS (Microscope)

- 23 Y. Sakaguchi, H. Asaoka, Y. Uozumi, K. Kondo, D. Yamazaki, K. Soyama, M. Ailavajhala, M. Mitkova  
*Silver photo-diffusion and photo-induced macroscopic surface deformation of Ge<sub>33</sub>S<sub>67</sub>/Ag/Si substrate*  
*Journal of Applied Physics*, **120**, (2016).  
<https://doi.org/10.1063/1.4959207>  
MLF : BL17  
他施設 : JAEA (XRD, SEM), CROSS (Microscope)
- 24 Kazuhiro Akutsu, Tomotake Niizeki, Sachiko Nagayama, Noboru Miyata, Masae Sahara, Akio Shimomura, Masahito Yoshii, Yoshio Hasegawa  
*Investigation of structure of a thin SiO<sub>2</sub> layer as an antifouling and corrosion-resistant coating*  
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MLF : BL17, LabCROSS  
他施設 : AIST "Nanotechnology Platform Program"
- 25 Tomotake Niizeki, Sachiko Nagayama, Yoshio Hasegawa, Noboru Miyata, Masae Sahara, Kazuhiro Akutsu  
*Structural Study of Silica Coating Thin Layers Prepared from Perhydropolysilazane: Substrate Dependence and Water Penetration Structure*  
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MLF : BL17, LabCROSS
- 26 Takuro Kawasaki, Koji Kaneko, Ai Nakamura, Naofumi Aso, Masato Hedo, Takao Nakama, Takashi Ohhara, Ryoji Kiyanagi, Kenichi Oikawa, Itaru Tamura, Akiko Nakao, Koji Munakata, Takayasu Hanashima, Yoshichika Onuki  
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*JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN*, **85**, 075117, (2016).  
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MLF : BL18

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*Molecular Gyrotops with a Five-Membered Heteroaromatic Ring: Synthesis, Temperature-Dependent Orientation of Dipolar Rotors inside the Crystal, and its Birefringence Change*  
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MLF : BL19
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*Monitoring of Bainite Transformation Using in Situ Neutron Scattering*  
*METALS*, **6**, 1, (2016).  
<https://doi.org/10.3390/met6010016>  
MLF : BL20
- 30 Yuhua Su, Kenichi Oikawa, Stefanus Harjo, Takenao Shinohara, Tetsuya Kai, Masahide Harada, Kosuke Hiroi, Shuoyuan Zhang, Joseph Don Parker, Hirotaka Sato, Yoshinori Shiota, Yoshiaki Kiyonagi, Yo Tomota  
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MLF : BL22, BL10, BL19
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*Conceptual design of a polarized  $^3\text{He}$  neutron spin filter for polarized neutron spectrometer POLANO at J-PARC*

*Journal of Physics: Conference Series*, **711**, (2016).

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MLF : BL23

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*Journal of Physics: Conference Series*, **711**, (2016).

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MLF : BL23

- 33 Jun Sugiyama

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MLF : D1

- 34 Junju Mu, Ryuhei Motokawa, Christopher D. Williams, Kazuhiro Akutsu, Shotaro Nishitsuji, Andrew J. Masters

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*JOURNAL OF PHYSICAL CHEMISTRY B*, **120**, 5183, (2016).

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MLF : LabCROSS

他施設 : Computational Shared Facility (CSF, University of Manchester), Yamagata University (Labo-SAXS)

- 35 Kazuhiro Akutsu, Seiji Mori, Kenichi Shinmei, Hiroki Iwase, Yoshiharu Nakano, Yuki Fujii

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MLF : LabCROSS

他施設 : KEK-PF、Research Center for Computational Science (RCCS, National Institutes of Natural Sciences)

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他施設 : SPring-8

- 39 Yoshihisa Ishikawa, Sergey A. Danilkin, Maxim Avdeev, Valentina I.

Voronkova, Takashi Sakuma

*Crystal structure of R<sub>10</sub>Mo<sub>6</sub>O<sub>33</sub> (R = Nd, Pr) from 3 K to 973 K by neutron powder diffraction*

*SOLID STATE IONICS*, **288**, 303, (2016).

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*Development of a  $^3\text{He}$  nuclear spin flip system on an in-situ SEOP  $^3\text{He}$  spin filter and demonstration for a neutron reflectometer and magnetic imaging technique*  
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他施設：九州シンクロトロン

- 45 Hiroaki Anzai, Masashi Arita, Hirofumi Namatame, Masaki Taniguchi, Motoyuki Ishikado, Kazuhiro Fujita, Shigeyuki Ishida, Shinichi Uchida, Akihiro Ino  
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*In-situ measurement of transitional stress in welds metal of steel using synchrotron radiation*  
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他施設 : TRIUMF
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*Proceedings of the New Opportunities for Better User Group Software (NOBUGS2016)*, 76, (2016).
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