

# Publication List

## 1A

- L. H. Xu, H. Ikeda, L. Liu, T. Arakawa, T. Wakagi, H. Shoun and S. Fushinobu  
Structural Basis for the 4'-Hydroxylation of Diclofenac by a Microbial Cytochrome P450 Monooxygenase  
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- T. Wakagi, H. Nishimasu, M. Miyake and S. Fushinobu  
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- D. K. Inaoka, T. Shiba, D. Sato, E. O. Balogun, T. Sasaki, M. Nagahama, M. Oda, S. Matsuoaka, J. Ohmori, T. Honma, M. Inoue, K. Kita and S. Harada  
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- S. Watanabe, T. Kawashima, Y. Nishitani, T. Kanai, T. Wada, K. Inaba, H. Atomi, T. Imanaka and K. Miki  
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Genes Dev. 29, 1649 (2015).
- R. Matsuoaka, A. Shimada, Y. Komuro, Y. Sugita and D. Kohda  
Rational Design of Crystal Contact-Free Space in Protein Crystals for Analyzing Spatial Distribution of Motions within Protein Molecules  
Protein Sci. 25, 754 (2016).
- Y. Honda, S. Arai, K. Suzuki, M. Kitaoka and S. Fushinobu  
The Crystal Structure of an Inverting Glycoside Hydrolase Family 9 Exo- $\beta$ -D-Glucosaminidase and the Design of Glycosynthase  
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- A. Yamagata, T. Yoshida, Y. Sato, S. Goto-Ito, T. Uemura, A. Maeda, T. Shiroshima, S. Iwasawa-Okamoto, H. Mori, M. Mishina and S. Fukai  
Mechanisms of Splicing-Dependent *trans*-Synaptic Adhesion by PTP $\delta$ -IL1RAPL1/IL-1RAcP for Synaptic Differentiation  
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J. Heng, Y. Zhao, M. Liu, Y. Liu, J. Fan, X. Wang, Y. Zhao and X. C Zhang  
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M. M. Islam, S. Nakamura, K. Noguchi, M. Yohda,  
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Characterization and Crystal Structure Determination of  $\beta$ -1,2-Mannobiose Phosphorylase from *Listeria innocua*  
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T. Kakiuchi, M. Tahara, K. Mase and S. Nagaoka  
Local Valence Electronic States and Valence-Band Maximum of Ultrathin Silicon Nitride Films on Si(111) Studied by Auger Photoelectron Coincidence Spectroscopy: Thickness and Interface Structure Dependence  
J. Phys. Soc. Jpn. 84, 044711 (2015).

### 2A

K. Horiba, M. Kitamura, K. Yoshimatsu, M. Minohara, E. Sakai,  
M. Kobayashi, A. Fujimori and H. Kumigashira  
Isotropic Kink and Quasiparticle Excitations in the Three-Dimensional Perovskite Manganite  $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$   
Phys. Rev. Lett. 116, 76401 (2016).

T. Yajima, Y. Hikita, M. Minohara, C. Bell, J. A. Mundy,  
L. F. Kourkoutis, D. A. Muller, H. Kumigashira, M. Oshima and H. Y. Hwang  
Controlling Band Alignments by Artificial Interface Dipoles at Perovskite Heterointerfaces  
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K. Kurita, A. Chikamatsu, K. Shigematsu, T. Katayama,  
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K. Usui, S. Yamaguchi, N. Suzuki, Y. Shimazu, T. Tsuchiya,  
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S. Yamaguchi, Y. Tasaki, M. Kobayashi, K. Horiba,  
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T. Katayama, A. Chikamatsu, H. Kamisaka, H. Kumigashira and T. Hasegawa  
Experimental and Theoretical Investigation of Electronic Structure of  $\text{SrFeO}_{3-x}\text{F}_x$  Epitaxial Thin Films Prepared via Topotactic Reaction  
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M. Kitamura, K. Horiba, M. Kobayashi, E. Sakai, M. Minohara,  
T. Mitsuhashi, A. Fujimori, T. Nagai, H. Fujioka and H. Kumigashira  
Spatial Distribution of Transferred Charges Across the Heterointerface between Perovskite Transition Metal Oxides  $\text{LaNiO}_3$  and  $\text{LaMnO}_3$   
Appl. Phys. Lett. 108, 111603 (2016).

S. Backes, T. C. Rödel, F. Fortuna, E. Frantzeskakis, P. Le Fèvre,  
F. Bertran, M. Kobayashi, R. Yukawa, T. Mitsuhashi,  
M. Kitamura, K. Horiba, H. Kumigashira, R. Saint-Martin,  
A. Fouchet, B. Berini, Y. Dumont, A. J. Kim, F. Lechermann,  
H. O. Jeschke, M. J. Rozenberg, R. Valentí and A. F. Santander-Syro  
Hubbard Band or Oxygen Vacancy States in the Correlated Electron Metal  $\text{SrVO}_3$ ?  
arXiv:1602.06909 (2016).

## 2B

K. Horiba, M. Kitamura, K. Yoshimatsu, M. Minohara, E. Sakai, M. Kobayashi, A. Fujimori and H. Kumigashira  
Isotropic Kink and Quasiparticle Excitations in the Three-Dimensional Perovskite Manganite  $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3$   
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## 2C

T. Yajima, Y. Hikita, M. Minohara, C. Bell, J. A. Mundy, L. F. Kourkoutis, D. A. Muller, H. Kumigashira, M. Oshima and H. Y. Hwang  
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J. Matsuno, K. Ihara, S. Yamamura, H. Wadati, K. Ishii, V. V. Shankar, H. Y. Kee and H. Takagi  
Engineering a Spin-Orbital Magnetic Insulator by Tailoring Superlattices  
Phys. Rev. Lett. 114, 247209 (2015).

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Magnetic and Crystal Structures of the Room Temperature Ferrimagnet  $\text{Sr}_3\text{YCo}_4\text{O}_{10.5}$   
JPS Conf. Proc. 8, 034010-1 (2015).

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