

PUBLICATIONS

- 1 G. Narsinga Rao, R. Sankar, Akansha Singh, I. Panneer Muthuselvam, **W. T. Chen**, Viveka Nand Singh, Guang-Yu Guo, and F. C. Chou, "Tellurium-bridged two-leg spin ladder in $\text{Ba}_2\text{CuTeO}_6$ " *Phys. Rev. B*, **93**, 104401, 2016
- 2 I Panneer Muthuselvam, R Sankar, A V Ushakov, **W T Chen**, G Narsinga Rao, Sergey V Streltsov, Sunil K Karn, L Zhao, M-K Wu and F C Chou, "Successive spin orderings of tungstate-bridged $\text{Li}_2\text{Ni}(\text{WO}_4)_2$ of spin 1" *J. Phys.: Condens. Mat.*, **27**, 456001, 2015
- 3 Serena Corallini, Monica Ceretti, Gilles Silly, Andrea Piovano, Shubra Singh, Josef Stern, Clemens Ritter, Jinjun Ren, Hellmut Eckert, Kazimirz Conder, **Wei-tin Chen**, Fang-Cheng Chou, Noriya Ichikawa, Yuichi Shimakawa, and Werner Paulus, "One-Dimensional Oxygen Diffusion Mechanism in $\text{Sr}_2\text{ScGaO}_5$ Electrolyte Explored by Neutron and Synchrotron Diffraction, ^{17}O NMR, and Density Functional Theory Calculations" *J. Phys. Chem. C*, **119**, 11447, 2015
- 4 Y. C. Lai, G. J. Shu, **W. T. Chen**, C. H. Du, and F. C. Chou, "Self-adjusted flux for the traveling solvent floating zone growth of YBaCuFeO_5 crystal" *J. Cryst. Growth*, **413**, 100, 2015
- 5 R. Sankar, I. Panneer Muthuselvam, G. J. Shu, **W. T. Chen**, Sunil K. Karna, R. Jayavel, and F. C. Chou, "Crystal growth and magnetic orderings of $\text{Na}_2\text{Ni}_2\text{TeO}_6$ with Ni honeycomb layers and $\text{Na}_2\text{Cu}_2\text{TeO}_6$ with Cu spin dimers" *CrystEngComm*, **16**, 10791, 2014
- 6 Mark S. Senn, **Wei-tin Chen**, Takashi Saito, Susana García-Martín, J. Paul Attfield, and Yuichi Shimakawa, "B-cation order control of magnetism in the 1322 perovskite $\text{CaCu}_3\text{Fe}_2\text{Nb}_2\text{O}_{12}$ " *Chem. Mater.*, **26**, 4832, 2014
- 7 **Wei-tin Chen**, Masaichiro Mizumaki, Hayato Seki, Mark S. Senn, Takashi Saito, Daisuke Kan, J. Paul Attfield, and Yuichi Shimakawa, "A half-metallic A- and B-site-ordered quadruple perovskite oxide $\text{CaCu}_3\text{Fe}_2\text{Re}_2\text{O}_{12}$ with large magnetization and a high transition temperature" *Nat. Comm.*, **5**, 3909, 2014
- 8 Izabela Sosnowska, Masaki Azuma, Radosław Przeniosło, Dariusz Wardecki, **Wei-tin Chen**, Kengo Oka, and Yuichi Shimakawa, "Crystal and Magnetic Structure in Co-Substituted BiFeO_3 " *Inorg. Chem.*, **52**, 13269, 2013

- 9 Shoubou Zhang, Takashi Saito, **Wei-tin Chen**, Masaichiro Mizumaki, and Yuichi Shimakawa, “Solid Solutions of Pauli-Paramagnetic $\text{CaCu}_3\text{V}_4\text{O}_{12}$ and Antiferromagnetic $\text{CaMn}_3\text{V}_4\text{O}_{12}$ ” *Inorg. Chem.*, **52**, 10610, 2013
- 10 **Wei-tin Chen**, Masaichiro Mizumaki, Takashi Saito and Yuichi Shimakawa, “Frustration relieved ferrimagnetism in novel A- and B-site-ordered quadruple perovskite”, *Dalton Trans.*, **42**, 10116, 2013
- 11 Shoubou Zhang, Takashi Saito, Masaichiro Mizumaki, **Wei-tin Chen**, Takenori Tohyama, and Yuichi Shimakawa, “Site-Selective Doping Effect in $\text{AMn}_3\text{V}_4\text{O}_{12}$ ($A = \text{Na}^+$, Ca^{2+} , and La^{3+})”, *J. Am. Chem. Soc.*, **135**, 6056, 2013
- 12 Takenori Tohyama, Mark S. Senn, Takashi Saito, **Wei-tin Chen**, Chiu C. Tang, J. Paul Attfield, and Yuichi Shimakawa, “Valence change of A'-site Mn by A-site doping in $\text{La}_{1-x}\text{Na}_x\text{Mn}_3\text{Ti}_4\text{O}_{12}$ ”, *Chem. Mater.*, **25**, 178, 2013
- 13 **Wei-Tin Chen**, Takashi Saito, Naoaki Hayashi, Mikio Takano and Yuichi Shimakawa, “Ligand-hole localization in oxides with unusual valence Fe”, *Sci. Rep.*, **2**, 449, 2012
- 14 You-wen Long, Takateru Kawakami, **Wei-tin Chen**, Takashi Saito, Tetsu Watanuki, Yuta Nakakura, Qing-qing Liu, Chang-qing Jin, and Yuichi Shimakawa, “Pressure Effect on Intersite Charge Transfer in A-site-Ordered Double-Perovskite-Structure Oxide”, *Chem. Mater.*, **24**, 2235, 2012
- 15 **Wei-Tin Chen**, Falak Sher, Neil D. Mathur, Christopher M. Kavanagh, Finlay D. Morrison, and J. Paul Attfield, “Structural, Magnetic, and Electrical Properties of $\text{Bi}_{1-x}\text{La}_x\text{MnO}_3$ ($x = 0.0, 0.1, \text{ and } 0.2$) Solid Solutions”, *Chem. Mater.*, **24**, 199, 2012
- 16 M. Mizumaki, **W. T. Chen**, T. Saito, I. Yamada, J. Paul Attfield, and Y. Shimakawa, “Direct observation of the ferrimagnetic coupling of A-site Cu and B-site Fe spins in charge-disproportionated $\text{CaCu}_3\text{Fe}_4\text{O}_{12}$ ”, *Phys. Rev. B*, **84**, 094418, 2011
- 17 Masaki Azuma, **Wei-tin Chen**, Hayato Seki, Michal Czapski, Smirnova Olga, Kengo Oka, Masaichiro Mizumaki, Tetsu Watanuki, Naoki Ishimatsu, Naomi Kawamura, Shintaro Ishiwata, Matthew G. Tucker, Yuichi Shimakawa and J. Paul Attfield, “Colossal negative thermal expansion in BiNiO_3 induced by inter-metallic charge transfer”, *Nat. Comm.*, **2**, 347, 2011

- 18 **Wei-tin Chen**, Youwen Long, Takashi Saito, J. Paul Attfield and Yuichi Shimakawa, “Charge transfer and antiferromagnetic order in the A-site-ordered perovskite $\text{LaCu}_3\text{Fe}_4\text{O}_{12}$ ”, *J. Mater. Chem.*, **20**, 7282, 2010
- 19 Takashi Saito, **Wei-tin Chen**, Masaichiro Mizumaki, J. Paul Attfield, and Yuichi Shimakawa, “Magnetic coupling between A' and B sites in the A-site-ordered perovskite $\text{BiCu}_3\text{Mn}_4\text{O}_{12}$ ”, *Phys. Rev. B*, **82**, 024426, 2010
- 20 Kengo Oka, Masaki Azuma, **Wei-tin Chen**, Hitoshi Yusa, Alexei A. Belik, Eiji Takayama-Muromachi, Masaichiro Mizumaki, Naoki Ishimatsu, Nozomu Hiraoka, Masahiko Tsujimoto, Matthew G. Tucker, J. Paul Attfield, and Yuichi Shimakawa, “Pressure-induced spin-state transition in BiCoO_3 ”, *J. Am. Chem. Soc.*, **132**, 9438, 2010
- 21 **Wei-tin Chen**, Anthony J. Williams, Luis Ortega-San-Martin, Ming Li, Derek C. Sinclair, Wuzong Zhou and J. Paul Attfield, “Robust antiferromagnetism and structural disorder in $\text{Bi}_x\text{Ca}_{1-x}\text{FeO}_3$ perovskites”, *Chem. Mater.*, **21**, 2085, 2009
- 22 Yu-Chen Lin, **Wei-Tin Chen**, Joe Tai, Denny Su, Sheng-Yi Huang, Ingrid Lin, Ju-Ling Lin, Mandy M. Lee, Mong Feng Chiou, Yen-Hsiang Liu, Ken-Shin Kwan, Yuan-Jang Chen and Hsing-Yin Chen, “Tuning through-bond Fe(III)/Fe(II) coupling by solvent manipulation of a central ruthenium redox couple”, *Inorg. Chem.*, **48**, 1857, 2009