

List of papers before 2019

- (1) "Quantitative identification of constituent phases in a Nd-Fe-B-Cu sintered magnet and temperature dependent change of electron density of Nd₂Fe₁₄B studied by synchrotron X-ray diffraction," H. Okazaki, D. Billington, N. Tsuji, W. Ueno, Y. Kotani, S. Kawaguchi, K. Sugimoto, K. Toyoki, T. Fukagawa, T. Nishiuchi, K. Hono, S. Hirose, T. Nakamura*, *Acta Mater.*, *181*, 2019, 530-536, DOI: 10.1016/j.actamat.2019.10.004.
- (2) "Self-assembly of Cu(I) metallomacrocyclic and coordination polymers with 2,2':5',4"-terpyridine directed by anions and solvents," M. Maekawa*, T. Hayashi, K. Sugimoto, T. Okubo, T. Kuroda-Sowa, *Inorg. Chim. Acta.*, *497*, 2019, 119088, DOI: 10.1016/j.ica.2019.119088.
- (3) "Interfacial oxygen vacancies yielding long-lived holes in hematite mesocrystal-based photoanodes," Z. Zhang, I. Karimata, H. Nagashima, S. Muto, K. Ohara, K. Sugimoto, T. Tachikawa*, *Nat. Commun.*, *10*, 2019, 4832, DOI: 10.1038/s41467-019-12581-z.
- (4) "Spin resolved electron density study of YTiO₃ in its ferromagnetic phase: signature of orbital ordering", AB. Voufack, I. Kibalin, Z. Yan, N. Clauser, S. Gueddida, B. Gillon, F. Porcher, A. Gukasov, K. Sugimoto, C. Lecomte, S. Dhaoui, JM. Gillet, M. Souhassou*, *IUCrJ*, *6*, 884-894, 2019, DOI: 10.1107/S2052252519009230.
- (5) "A Novel Platinum(III)–Platinum(III) Neutral Dimer Complex, Pt₂(cdtb)₄I₂ (cdtb: 4-Cyanodithiobenzoate)," H. Moriyama, K. Otsubo*, K. Aoki, M. Maesato, K. Sugimoto, H. Kitagawa*, *Chem. Lett.*, *48*, 1035-1037, 2019, DOI: 10.1246/cl.190355.
- (6) "Role of *d*-Elements in a Proton–Electron Coupling of *d*– π Hybridized Electron Systems," M. Hayashi*, Y. Takahashi, Y. Yoshida*, K. Sugimoto, H. Kitagawa*, *J. Am. Chem. Soc.*, *141*, 11686–11693, 2019, DOI: 10.1021/jacs.9b04937.
- (7) "New -extended catecholato complexes of Pt(II) and Pd(II) containing a benzothienobenzothiophene (BTBT) moiety: synthesis, electrochemical behavior and charge transfer properties," K. Tahara, Y. Ashihara, T. Higashino, Y. Ozawa, T. Kadoya, K. Sugimoto, A. Ueda, H. Mori, M. Abe, *Dalton Trans.*, *48*, 7367-7377, 2019, DOI: 10.1039/c8dt05057k.
- (8) "Strong Luminescent Europium Complexes Induced by the Unprecedented Anti-chelate Effect of Acyl Groups on a N6-Hexadentate Ligand," S. Ogata, H. Komiyama, N. Goto, R. Tanabe, K. Sugimoto, S. Kawaguchi, K. Goto, M. Hatanaka, A. Ishii, M. Hasegawa*, *Chem. Lett.*, *48*, 1035-1037, 2019, DOI: 10.1246/cl.190140.
- (9) "Revisiting a Historical Concept by Using Quantum Crystallography: Are Phosphate, Sulfate and Perchlorate Anions Hypervalent?," M. Fugel, LA. Malaspina, R. Pal, SP. Thomas, MW. Shi, MA. Spackman, K. Sugimoto, S. Grabowsky*, *Chem. Eur. J.*, *25* 2019, 6523-6532, DOI: 10.1002/chem.201806247.
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- (13) "Quantum oscillations of electrical resistivity in an insulator," Z. Xiang, Y. Kasahara, T. Asaba, B. Lawson, C. Tinsman, Lu Chen, K. Sugimoto, S. Kawaguchi, Y. Sato, G. Li, S. Yao, Y. L. Chen, F. Iga, John Singleton, Y. Matsuda*, Lu Li*, *Science*, *362*, 2018, 65-68, DOI: 10.1126/science.aap9607.
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