2024 年

【査読つき学術論文】

1) “Electrode kinetics for the reduction of central hetero $V_{in}^{V}$ and framework addenda $V_{out}^{V}$ and $W^{VI}$ atoms in the $[V_{in}V_{out}W_{11}O_{40}]^{4-}$ polyoxometalate: Comparisons with $[SV_{out}W_{11}O_{40}]^{3-}$ and $[V_{in}W_{12}O_{40}]^{3-}$”, S. Azuma, Y. Eguchi, N. Yamasaki, S. Ogo, S.-X. Guo, A.M. Bond, J. Zhang, T. Ueda, *Electrochimica Acta***,** 501, 144765 (2024).
2) ”Electrochemical Behaviour of Layer-by-Layer Constructed of Silver Nanoparticles and Dawson-Type Polyoxometalates”, S. P. Muthusamy, I. Sakthinathan, N. Yamasaki, T. Ueda, T. McCormac, *International Journal of Electrochemical Science***,** 100492 (2024).
3) ”Electrochemical Behaviour of $(n\text{-}Bu_4N)_4[AsVMo_{11}O_{40}]$ and $(n\text{-}Bu_4N)_4H[AsV_2Mo_{10}O_{40}]$ Doped PEDOT Film and Its Quartz Crystal Microbalance Studies, I. Sakthinathan, T. Ueda, T. McCormac, *ChemElectroChem***,** 11 (14), e202400133 (2024)
4) “Factors governing the protonation of Keggin-type polyoxometalates: influence of the core structure in clusters”, H. Sampei, H. Akiyama, K. Saegusa, M. Yamaguchi, S. Ogo, H. Nakai, T. Ueda, Y. Sekine, *Dalton Transactions***,** 53 (20), 8576-8583 (2024). **BACK COVER**
5) “Efficient reverse water gas shift reaction at low temperatures over an iron supported catalyst under an electric field”, M. Yamaoka, K. Tomozawa, K. Sumiyoshi, T. Ueda, S. Ogo, *Scientific Reports***,** 14 (1), 10216 (2024).
6) “Vanadium-Containing Keggin-Type Polyoxometalates, $[VM_{12}O_{40}]^{3-}$ and $[VVM_{11}O_{40}]^{4-}$ (M = Mo, W): Structural Characterization and Voltammetric, NMR, and EPR Studies Related to Electrochemical Reduction at Framework and Central Vanadium Sites”, S. Yokoyama, S. Azuma, Y. Eguchi, K. Kodani, T. Hasegawa, S. Ogo, H. Ota, S.-X. Guo, J. F. Boas, J. Zhang, A. M. Bond, T. Ueda, *Inorganic Chemistry***,** 63 (1), 117-128 (2024).