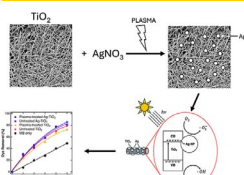




メチレンブルーの可視光分解を目指した銀被覆酸化チタンナノファイバーの作製

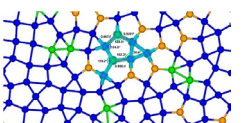


L. J. C. Montefalcon, M. R. L. Ramoy, A. D. S. Montallana, M. R. Vasquez Jr.

Fabrication of Silver-decorated Titanium Dioxide Nanofibers for Visible-light Photodegradation of Methylene Blue

Vol. 23, Iss. 1, pp. 1-7 (2025) (Regular Paper)

五角形構造を持つ平面二次元単原子系のガラス状態

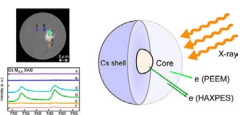


N. T. Nga, V. V. Hoang

Glassy State of the Flat Two-dimensional Monatomic System with Pentagonal Structure

Vol. 23, Iss. 1, pp. 8-15 (2025) (Regular Paper)

放射光光電子顕微鏡による福島で採取された放射性セシウム微粒子の研究

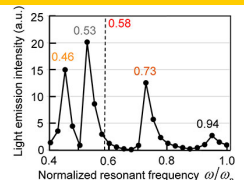


A. Yoshigoe, Y. Tsuda, M. Kobata, T. Okane, Y. Satou, T. Ohkochi

Synchrotron Radiation Photoemission Electron Microscopy Study on Radioactive Cesium-bearing Microparticle Collected in Fukushima

Vol. 23, Iss. 1, pp. 16-21 (2025) (Regular Paper)

局在プラズモンに対する金属ナノ構造中の電子の量子振動効果

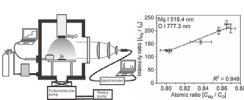


M. Ichikawa

Quantum Oscillation Effects of Electrons in Metal Nanostructures on Localized Plasmons

Vol. 23, Iss. 1, pp. 22-28 (2025) (Regular Paper)

光学発光分光法によるスパッタ蒸着MgO膜のその場組成分析のための発光線の決定

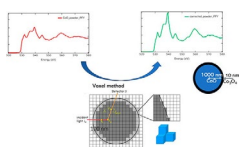


S. Imashuku

Determining Emission Lines for *in situ* Compositional Analysis of Sputter-deposited MgO Films Using Optical Emission Spectroscopy

Vol. 23, Iss. 1, pp. 29-35 (2025) (Regular Paper)

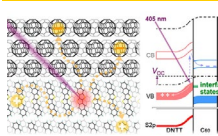
蛍光X線吸収微細構造スペクトルの自己吸収効果を補正するボクセル法



D. Shibata, T. Ohta, Y. Orikasa, K. Ito, K. Asakura

A Voxel Method for Correcting the Self-absorption Effect in Fluorescence X-ray Absorption Fine Structure Spectra

Vol. 23, Iss. 1, pp. 36-43 (2025) (Regular Paper)

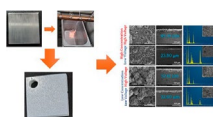
ジナフト[2,3-*b*:2',3'-*f*]チエノ[3,2-*b*]チオフェン単結晶上にエピタキシャル成長したC₆₀の界面電子状態

Y. Nakayama, T. Yamada, T. Koda, K. Kikuchi, K. Yamauchi, H. Hattori, K. Mase, K. Ozawa

Interface Electronic States of Epitaxially Grown C₆₀ on Dinaphtho[2,3-*b*:2',3'-*f*]thieno[3,2-*b*]thiophene Single Crystals

Vol. 23, Iss. 1, pp. 44-50 (2025) (Regular Paper)

混合電解質系で酸化被覆した市販純チタンプラズマ電解質の耐食性に及ぼす濃度と電圧の影響



P. D. H. Arboleda, E. M. B. Dela Peña

Effect of Concentration and Voltage on the Corrosion Resistance of Commercially Pure Titanium Plasma Electrolyte Oxidation-coated in Mixed Electrolyte System

Vol. 23, Iss. 1, pp. 51-58 (2025) (Regular Paper)

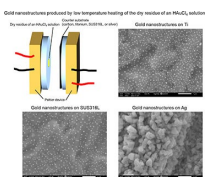
機械学習に基づく溶剤混合ロボットシステムの開発



J. Tang, T. Nakashima, M. Miyamoto, X. Zhang, M. Horio, Y. Ando, I. Matsuda

Developing a Machine-Learning-based Robotic System for Mixing Solvents

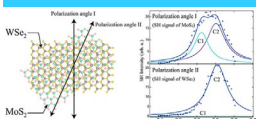
Vol. 23, Iss. 1, pp. 59-64 (2025) (Technical Note)

HAuCl₄溶液の乾燥残渣を空气中で低温加熱することにより数種の金属上に生成した金ナノ構造

S. Hada, Y. Kobayashi, A. Tomoda, N. Kida, Y. Kurita, M. Yamasaki, C. Akiba, Y. Hu, M. Wada, S. Kunimura

Gold Nanostructures Produced on Several Types of Metals by Low-temperature Heating of Dry Residues of a Solution of HAuCl₄ in Air

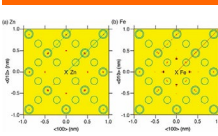
Vol. 23, Iss. 1, pp. 65-69 (2025) (Technical Note)

MoS₂/WSe₂ヘテロ積層膜の層選択的光第二高調波発生分光

Y. Miyauchi, Y. Hirata, S. Ohno

Layer-selective Optical Second-harmonic Generation Spectroscopy of a MoS₂/WSe₂ Heterobilayer

Vol. 23, Iss. 1, pp. 70-76 (2025) (Technical Note)

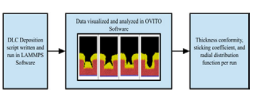
蛍光X線ホログラフィーによるZnFe₂O₄単結晶の3次元原子配置解析

S. Hosokawa, N. Happo, K. Hayashi, T. Matsushita

Three-dimensional Atomic Configurations in a ZnFe₂O₄ Single Crystal by X-ray Fluorescence Holography

Vol. 23, Iss. 1, pp. 77-82 (2025) (Proceeding Paper)

シリコントレンチ上のダイヤモンドライクカーボン膜に及ぼす蒸着角度の影響：分子動力学法による研究



A. J. A. Acero, C. L. S. Mahinay, C. J. M. Dela Cruz

Effect of Deposition Angle on Diamond-like Carbon Films on Silicon Trenches: A Molecular Dynamics Study

Vol. 23, Iss. 1, pp. 83-91 (2025) (Proceeding Paper)