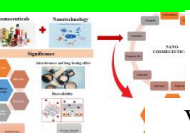
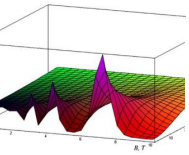
VOL. 22, ISS. 2 (2024)
Focus on e-JSSNT
NO. 189
MAY 2024

ナノテクノロジーを利用した先端機能性化粧品の新潮流



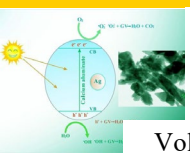
Uzma Azeem Awan *et al.*, **Emerging Trends of Nanotechnology-Based Advanced Cosmeceuticals**
Vol. 22, Iss. 2, pp. 86-97 (2024) (Review Paper)

量子井戸を用いたヘテロ構造における横方向電気伝導度と磁気抵抗振動の温度依存性の決定



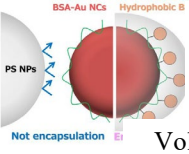
U. I. Erkaboev and R. G. Rakhimov,
Determination of the Dependence of Transverse Electrical Conductivity and Magnetoresistance Oscillations on Temperature in Heterostructures Based on Quantum Wells
Vol. 22, Iss. 2, pp. 98-106 (2024) (Regular Paper)

Agドープカルシウムアルミネートの可視光照射下における光触媒性能の大幅向上



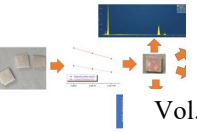
Qianmin Cong *et al.*, **Significantly Enhanced Photocatalytic Performance of Ag-doped Calcium Aluminate under Visible-light Irradiation**
Vol. 22, Iss. 2, pp. 107-114 (2024) (Regular Paper)

疎水性牛血清アルブミンでキャップした金ナノクラスターの調製とポリスチレンナノ粒子へのカプセル化



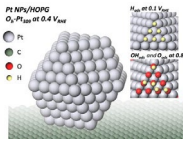
Hiroaki Ichimaru *et al.*, **Preparation of Hydrophobic Bovine-Serum-Albumin-capped Gold Nanoclusters and Encapsulation in Polystyrene Nanoparticles**
Vol. 22, Iss. 2, pp. 115-119 (2024) (Regular Paper)

銅めっき層の物理的特性と電気化学的挙動に及ぼすバレルめっきのスピン効果



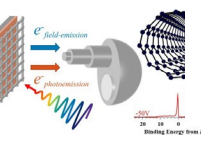
Syamsuir *et al.*, **Spinning Effect of Barreling Plating on Physical Properties and Electrochemical Behavior of Copper Layers**
Vol. 22, Iss. 2, pp. 120-128 (2024) (Regular Paper)

新規BCLA/HERFD+BI-XAFS法を用いた二相液体還元法で調製した希釈Pt/HOPGモデル触媒系の *in situ*構造解析



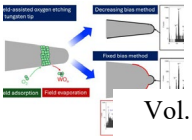
Kaiyue Dong *et al.*, ***In situ* Study on Structure of a Diluted Pt/HOPG Model Catalyst System Prepared by the Two-phase Liquid Reduction Method Using a Novel BCLA/HERFD+BI-XAFS Method**
Vol. 22, Iss. 2, pp. 129-137 (2024) (Regular Paper)

高感度紫外光電子分光法と電界放出分光法を用いたカーボンナノチューブの電子構造とトンネル形成過程の観測



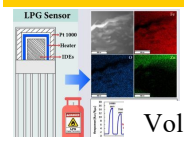
Manato Tateno *et al.*, **The Electronic Structure and Tunneling Process of Carbon Nanotubes Observed Using High-sensitivity Ultraviolet Photoelectron Spectroscopy and Field Emission Spectroscopy**
Vol. 22, Iss. 2, pp. 138-144 (2024) (Regular Paper)

フィールド支援酸素エッチングで作製したタングステンチップの原子プローブ分析



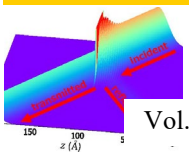
Masanori Nanjo *et al.*, **Atom Probe Analysis of Tungsten Tips Fabricated by Field-assisted Oxygen Etching**
Vol. 22, Iss. 2, pp. 145-148 (2024) (Regular Paper)

LPG検出用Fe_2O_3:ZnOナノ構造センサーの作製



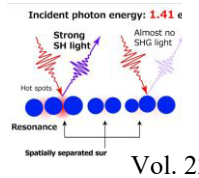
Mikayel Aleksanyan *et al.*, **Fabrication of the Fe_2O_3:ZnO Based Nano-structured Sensor for LPG Detection**
Vol. 22, Iss. 2, pp. 149-156 (2024) (Regular Paper)

非弾性散乱を用いたグラフェンを透過する電子のシミュレーション



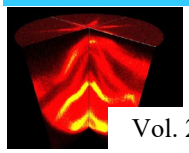
Takao Koichi *et al.*, **Simulation of Electron Transmission through Graphene with Inelastic Scattering**
Vol. 22, Iss. 2, pp. 157-161 (2024) (Regular Paper)

光第二高調波発生顕微鏡で観察した金ナノ粒子一次元直線配列の不均一性による表面プラズモンの変調



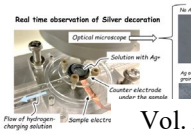
Yoshihiro Miyauchi *et al.*, **Modulation of Surface Plasmon due to the Inhomogeneity of a One-Dimensional Linear Array of Gold Nanoparticles Observed by Optical Second-Harmonic Generation Microscopy**
Vol. 22, Iss. 2, pp. 162-169 (2024) (Technical Note)

10.9 eVレーザーを用いた飛行時間型光電子顕微鏡法



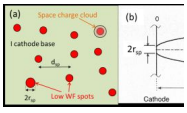
Shunsuke Tsuda and Koichiro Yaji, **Time-of-Flight-type Photoelectron Emission Microscopy with a 10.9-eV Laser**
Vol. 22, Iss. 2, pp. 170-173 (2024) (Technical Note)

光学顕微鏡観察下での時間依存銀デコレーション用試料ホルダー



Akiko N. Itakura *et al.*, **Sample Holder for Time Dependence Silver-decoration under Optical Microscope Observation**
Vol. 22, Iss. 2, pp. 174-178 (2024) (Technical Note)

ビームレット効果に基づくBaディスペンサースカンデートカソードの電子放出モデル



G. Gaertner and B. K. Vancil,
Electron Emission Model of Ba Dispenser Scandate Cathodes Based on the Beamlet Effect
Vol. 22, Iss. 2, pp. 179-187 (2024) (Conference Paper)

All papers published in e-JSSNT since 2003 are available on J-STAGE.
https://www.jstage.jst.go.jp/browse/ejssnt/