

Paper List

January–December, 2024

- E2024-1(L) Nanoshell Formation at the Electrically Charged Gas–Water Interface of Collapsing Microbubbles: Insights from Atomic Force Microscopy Imaging
The Journal of Physical Chemistry Letters, Vol.15, Issue 1, pp. 220–225, (2024), January 11, 2024.
Masayoshi Takahashi, Yasuyuki Shirai, and Shigetoshi Sugawa
<https://doi.org/10.1021/acs.jpcllett.3c03314>
- E2024-2(F) Threshold voltage uniformity improvement by introducing charge injection tuning for low-temperature poly-Si thin film transistors with metal/oxide/nitride/oxide/silicon structure Japanese Journal of Applied Physics, Vol.63, Number 2, 02SP51, (2024), Special Issue on Solid State Vices and Materials 2023 (SSDM2023), January 17, 2024.
Tetsuya Goto, Tomoyuki Suwa, Keita Katayama, Shu Nishida, Hiroshi Ikenoue and Shigetoshi Sugawa
<https://doi.org/10.35848/1347-4065/ad184d>
- E2024-3(F) [Invited Paper]
A High SNR Global Shutter CMOS Image Sensor Technology for High Precision Absorption Imaging Applications
ITE Transactions on Media Technology and Applications, (2024), Vol.12, Issue 2, pp.167-174, 1 April 2024.
Tetsu Oikawa, Rihito Kuroda, Aoi Hamaya, Yoshinobu Shiba, Takafumi Inada, Yushi Sakai, Yasuyuki Shirai, Shigetoshi Sugawa
<https://doi.org/10.3169/mta.12.167>
- E2024-4(C) Impedance Measurement Platform for Statistical Capacitance and Current Characteristic Measurements of Arrayed Cells with Atto-order Precision
2024 IEEE 36th International Conference on Microelectronic Test Structures, 4.2, April 15-18, 2024, Edinburgh, UK
Koga Saito, Tatsuhiko Suzuki, Hidemi Mitsuda, Tsubasa Nozaki, Takezo Mawaki, and Rihito Kuroda
<https://doi.org/10.1109/ICMTS59902.2024.10520692>
- E2024-5(W) [Invited]
Dynamics at the Gas-Water Interface of Collapsing Microbubbles: An Exciting Reaction Field-
The 8th International Symposium on Plasmas & Fine Bubbles (8th ISPFB 2024), Shanghai, China(Online), May 25, 2024.
Masayoshi Takahashi

- E2024-6(W) [Invited] Special Talk Session
Role of academia in the 2-nm-node era and beyond- There are still many things to research at academia! or? -
2024 International Conference on Solid State Devices and Materials (SSDM2024), Special Talk Session, Himeji, Sep.1, 2024
Rihito Kuroda, Kazuya Masu, Seiichi Miyazaki, Akira Toriumi, and Tomonari Yamamoto
- E2024-7(F) Impact of Bulk Nanobubble Water on a TiO₂ Solid Surface: A Case Study for Medical Implants
Langmuir, Vol.40, Issue 49, 25950-25956, (2024), November 25, 2024.
Masayoshi Takahashi, Masahiro Nakazawa, Takahiro Nishimoto, Mitsuyuki Odajima, Yasuyuki Shirai, and Shigetoshi Sugawa
<https://doi.org/10.1021/acs.langmuir.4c03339>
- E2024-8(C) High-Precision Mass Transfer Technology for Transparent Flexible Micro-LED Displays
Proceedings of the International Display Workshops, (2024), FMC6-1L, Sapporo, December 5, 2024
Kengo Shima, Tatsuya Ishida, Koichi Kajiyama, Yasuyuki Shirai, Takahiro Ishinabe
<https://pub.conf.it.atlas.jp/en/event/idw2024/presentation/FMC6-01>