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低温センターを利用した論文　（2022 - 2023）

工学研究院　エネルギー量子工学部門

河江研究室

1. Hydrogen-impurity-induced conductance peaks in constriction type Josephson junctions
   K. Miyakawa, H. Takata, T. Yamaguchi, Y. Inagaki, K. Makise, and T. Kawae
   Appl. Phys. Express **15**, 013002, (2022)

2. Precise magnetization measurements down to 500 mK using a miniature 3He cryostat and a closed-cycle 3He gas handling system installed in a SQUID magnetometer without continuous- cooling functionality
   K. Shimamura, H. Wajima, H. Makino, S. Abe, Y. Haga, Y. Sato, T. Kawae, and Y. Yoshida
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3. Over-the-Gap Conductance Oscillations in Superconducting Vanadium Nanocontacts Induced by Hydrogen Impurities
   Md. S. Islam, H. Takata, Y. Inagaki, K. Hashizume, and T. Kawae
   ACS nano **16**, 14149, (2022)

4. Observation of Kondo Resonance and Low-Energy Excitation in CeB6 Using Point-Contact Spectroscopy
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11. Kondo breakdown in the topological Kondo insulator SmB_6 studied by point-contact Andreev reflection spectroscopy
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石原研究室

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18. 地中埋設管からの漏出時の水素の地中および大気中の拡散挙動
山﨑 修一, 市川 祐嗣, 荻田 将一, 石原 達己
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30. A Review of the Single-Step Flame Synthesis of Defective and Heterostructured TiO2 Nanoparticles for Photocatalytic Applications
Sovann Khan, Jin-Sung Park and Tatsumi Ishihara
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I. Tyrone Ghampson, Hiroki Miura, Junichi Murakami, Kyoko K. Bando, Tetsuya Kodaira, Atsushi Takagaki, Tatsumi Ishihara, and Tetsuya Shishido
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Kuan-Ting Wu, Junko Matsuda, Aleksandar Staykov, and Tatsumi Ishihara
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35. Oxide ion conductivity in doped bismuth gallate mullite type oxide, Bi2Ga4O9
Maksymilian Kluczny, Thi Nguyen, Jun Tae Song, Motonori Watanabe, Atsushi Takagaki, Aleksandar Staykov Tatsumi Ishihara
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36. Methane activation with nitric oxide at low temperatures on supported Pt catalysts: effects of the support
Nobuya Suganuma, I. Tyrone Ghampson, Hiroki Miura, Junichi Murakami, Kyoko K. Bando, Tetsuya Kodaira, Tatsuya Yamasaki, Atsushi Takagaki, Tatsumi Ishihara and Tetsuya Shishido
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後藤・神谷研究室

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R. Wakabayashi, R. Imatani, M. Katsuya, Y. Higuchi, H. Noguchi, N. Kamiya, M. Goto
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K. Tanaka, K. Minamihata, R. Wakabayashi, J. M. Lee, T. Miyata, T. Kusakabe, N. Kamiya, M. Goto
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田中研究室

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楊井研究室

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理学研究院　化学部門

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寺嵜研究室

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農学研究院　環境農学部門

森林圏環境資源科学研究室

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臨床・腫瘍外科学研究室

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生体防御医学研究所　高深度オミクスサイエンスセンター

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