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低温センターを利用した論文 (2014)

工学研究院 エネルギー量子工学部門

石橋研究室

1. SPECTROSCOPIC MEASUREMENT OF L X-RAYS EMITTED BY TRANSURANIUM ELEMENTS BY TES MICROCALORIMETER  
Makoto Maeda, Keisuke Maehata, Naoko Iyomoto, Kenji Ishibashi, Koji Takasaki, Keisuke Nakamura, Katsunori Aoki, Kazuhisa Mitsuda, Keiichi Tanaka  
Radiation Detectors and Their Uses, High Energy Accelerator Research Organization KEK Proceedings, 2013-9. p.63-71, (2014)
2. DESIGN AND FABRICATION OF THE MULTI-PIXEL TES MICROCALORIMETER WITH A MUSHROOM SHAPED ABSORBER FOR X-RAY DETECTION  
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Radiation Detectors and Their Uses, High Energy Accelerator Research Organization KEK Proceedings, 2013-9. p.72-80, (2014)
3. A dry  $^3\text{He}$ - $^4\text{He}$  dilution refrigerator for a transition edge sensor microcalorimeter spectrometer system mounted on a transmission electron microscope  
K. Maehata, T. Hara, T. Ito, Y. Yamanaka, K. Tanaka, K. Mitsuda, N. Y. Yamasaki  
Cryogenics, Vol. 61, p. 86-91, (2014)
4. Development of 4-Pixel-Array TES Microcalorimeters with Mushroom-Shaped Absorbers with Insulating Layers Supporting Overhang Regions  
K. Maehata, N. Iyomoto, M. Maeda, S. Ezaki, A. Takano, S. Matsumura, T. Hara, K. Mitsuda, N. Y. Yamasaki, K. Tanaka  
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5. Spectroscopic Measurement of L X-rays Emitted by Transuranium Elements by Using TES Microcalorimeter  
M. Maeda, K. Maehata, N. Iyomoto, K. Ishibashi, K. Takasaki, K. Nakamura, K. Aoki, K. Mitsuda, K. Tanaka  
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K. Maehata, N. Iyomoto, Y. Yamanaka, T. Ito, T. Hara, K. Mitsuda, N. Y. Yamasaki, K. Tanaka  
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Makoto Maeda, Keisuke Maehata, Naoko Iyomoto, Kenji Ishibashi, Koji Takasaki, Keisuke Nakamura, Katsunori Aoki, Kazuhisa Mitsuda, Keiichi Tanaka and Yoshihiro Yamanaka  
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8. マイクロカロリメータを用いたプルトニウム同位体の高エネルギー分解能LX線スペクトル計測に関する研究  
工学府エネルギー量子工学専攻  
前田 亮

#### 松村研究室

9. SEM-TES application to chemical state analysis on cation of electrode materials for electrochemical capacitors based on the sensitivity correction of x-ray intensity data  
Masataka Ohgaki, Keiichi Tanaka, Hidekazu Suzuki, Masakatsu Hasuda, Syo Matsumura, Masato Yano, Masaru Miyayama  
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佐藤由昌、蓮尾斎彦、稲垣祐次、河江達也  
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12. Magnetic Properties of 1:2 Mixed Cobalt(II) Salicylaldehyde Schiff-Base Complexes with Pyridine Ligands Carrying High-Spin Carbenes ( $S_{\text{car}} = 2/2, 4/2, 6/2, \text{ and } 8/2$ ) in Dilute Frozen Solutions: Role of Organic Spin in Heterospin Single-Molecule Magnets  
Satoru Karasawa, Kimihiro Nakano, Daisuke Yoshihara, Noriko Yamamoto, Jun-ichi Tanokashira, Takahito Yoshizaki, Yuji Inagaki, and Noboru Koga  
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Yuji Inagaki, Yasutaka Sakamoto, Hiroki Morodomi, Tatsuya Kawae, Yasuo Yoshida, Takayuki Asano, Kohei Hosoi, Hirokazu Kobayashi, Hiroshi Kitagawa, Yoshitami Ajiro, and Yuji Furukawa  
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Masayoshi Fujihala, Xu-Guang Zheng, Hiroki Morodomi, Tatsuya Kawae, Akira Matsuo, Koichi Kindo, and Isao Watanabe  
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Yoshiaki Sato, Shun Makiyama, Tatsuya Kawae, Takahiro Onimaru, Hiroyuki S. Suzuki, Martin Jackson, Carley Paulsen, Medhi Amara, and Rose-Marry Garela  
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東田研究室

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T. Sirithanakorn, M. Tanaka, K. Higashida  
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応用化学部門

石原研究室

25. Soft-templating method to synthesize crystalline mesoporous  $\alpha$ -Fe<sub>2</sub>O<sub>3</sub> films  
Limin Guo, Shintaro Ida, Akihide Takashiba, Takeshi Daio, Norio Teramae and Tatsumi Ishihara  
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Atsushi Inoishi, Takaaki Sakai, Young Wan Ju, Shintaro Ida, Tatsumi Ishihara  
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33. 金属-空気二次電池の研究状況と電解液の影響  
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36. Study on Cathode Material for Intermediate Temperature CO<sub>2</sub> Electrolysis by Using LaGaO<sub>3</sub> Electrolyte  
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37. 格子酸素を利用するディーゼルパティキュレートの低温接触酸化に関する研究  
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**田中研究室**

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Jie Zhan, Hisao Matsuno, Hiroyasu Masunaga, Hiroki Ogawa, and Keiji Tanaka  
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春藤淳臣、田中敬二  
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#### 機械工学部門

#### 高松研究室

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化学工学部門

上平研究室

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Masaki Yamaguchi, Akira Ito, Akihiko Ono, Kawabe Yoshinori, Masamichi Kamihira  
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三浦研究室

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先導物質化学研究所 物質基盤化学部門

佐藤研究室

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総合理工学府 物質理工学専攻 博士後期課程

Dai, JW (2014 年)

分子集積化学部門

高原研究室

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