

論文リスト (平成25年度分)

発表者	掲載誌	題名
N. Nakashima, K. Yamanaka, T. Yatsushashi	<i>Chinese J. Phys.</i> 52 (2014) 504-518	Ionic valence change of metal ions in solution by femto-second laser excitation accompanied by white-light laser
N. Nakashima, K. Yamanaka, T. Yatsushashi	<i>J. Phys. Chem. A</i> , 117 (2013) 8352-8359	Reduction of Yb(III) to Yb(II) by Two-Color Two-Photon Excitation
中島信昭	豊田研究報告 66 (2013) 35-43.	2波長2光子光還元 ($\text{Yb}^{3+} \rightarrow \text{Yb}^{2+}$) の反応機構
S. Uji, K. Kodama, K. Sugii, Y. Takahide, T. Terashima, N. Kurita, S. Tsuchiya, M. Kohno, M. Kimata, K. Yamamoto, and K. Yakushi	<i>Phys. Rev. Lett.</i> 110 , (2013) 196602 (4 pages)	Kosterlitz-Thouless-type transition in a charge ordered state of the layered organic conductor α -(BEDT-TTF) ₂ I ₃
T. Koyama, Y. Ito, K. Yoshida, M. Tsuji, H. Ago, H. Kishida, A. Nakamura	<i>ACS Nano</i> 7 (2013) 2335- 2343	Near-infrared photoluminescence in the femtosecond time region in monolayer graphene on SiO ₂
T. Koyama, S. Shimizu, Y. Miyata, H. Shinohara, A. Nakamura	<i>Phys. Rev. B</i> 87 (2013) 165430-1-6	Ultrafast formation and decay dynamics of trions in <i>p</i> -doped single-walled carbon nanotubes
T. Unuma, N. Yamada, A. Nakamura, H. Kishida, S-C. Lee, E-Y. Hong, S-H. Lee, O-P. Kwon	<i>Appl. Phys. Lett.</i> 103 (2013) 053303	Direct observation of carrier delocalization in highly conducting polyaniline
T. Koyama, S. Yoshimitsu, Y. Miyata, H. Shinohara, H. Kishida, A. Nakamura	<i>J. Phys. Chem. C</i> 117 (2013) 20289-20299	Transient absorption kinetics associated with higher exciton states in semiconducting single-walled carbon nanotubes: Relaxation of excitons and phonons
A. Ito, Y. Nakamura, A. Nakamura, H. Kishida	<i>Phys. Rev. Lett.</i> 111 (2013) 197801-1-5	Measurement of the nonlinear conducting states of α -(BEDT-TTF) ₂ I ₃ using electronic Raman scattering
Shunsuke Yoshizawa, Taiji Koseki, Ken Matsuba, Takashi Mochiku, Kazuto Hirata and Nobuhiko Nishida	<i>J. Phys. Soc. Jpn.</i> 82 (2013) 083706	High-Resolution Scanning Tunneling Spectroscopy of Vortex Cores in Inhomogeneous Electronic States of Bi ₂ Sr ₂ CaCu ₂ O _x
H. Matsuura, K. Miyake	<i>J. Phys. Soc. Jpn.</i> 82 (2013) 073703-1-4	Effect of Spin-Orbit Interaction on (4d) ³ - and (5d) ³ -Based Transition Metal Oxides
S. Nishiyama, K. Miyake, C. M. Varma	<i>Phys. Rev. B</i> 88 (2013) 014510-1-10	Superconducting Transition Temperatures for Spin-Fluctuation Promoted Superconductivity in Heavy Fermion Compounds
S. Watanabe, K. Miyake	<i>J. Phys. Soc. Jpn.</i> 82 (2013) 083704-1-4	Robustness of Quantum Criticality of Valence Fluctuations

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M. Morinaga	Transactions in GIGAKU in Nagaoka University of Technology, IGCN 2013, in press	Electronic approach to alloy design
水戸祐介, 三木一宏, 東 司, 田村 理, 石黒 徹, 村田純教, 森永正彦	日本学術振興会 耐熱金 属材料第123委員会報告, 54(2) (2013) 111-117	高Cr フェライト系耐熱鋼の長時間クリープ破壊強度に及ぼすCr とWの影響
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K. Yamaguchi, M. Shoji, H. Isobe, Y. Kitagawa, S. Yamada, T. Kawakami, S. Yamanaka, M. Okumura	<i>Polyhedron</i> , 2013, 66 , 228-244.	Theory of chemical bonds in metalloenzymes XVI. Oxygen activation by high-valent transition metal ions in native and artificial systems
K. Yamaguchi, Y. Kitagawa, H. Isobe, M. Shoji, S. Yamanaka, M. Okumura	<i>Polyhedron</i> , 2013, 57 , 138-149.	Theory of chemical bonds in metalloenzymes XVIII. Importance of mixed-valence configurations for Mn_5O_5 , CaMn_4O_5 and $\text{Ca}_2\text{Mn}_3\text{O}_5$ clusters revealed by UB3LYP computations. A bio-inspired strategy for artificial photosynthesis
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Suehiro Iwata, Pradipta Bandyopadhyay, Sotiris S. Xantheas	<i>J. Phys. Chem. A</i> 117 (2013) 6641-6651	Cooperative roles of charge-transfer and dispersion terms in hydrogen-bond networks of (H ₂ O) _n , n=6, 11 and 16.
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K. Yamanaka, T. Okada, Y. Goto, M. Ikai, T. Tani, S. Inagaki	<i>J. Phys. Chem. C</i> , 117 , (2013) 14865-14871	Dynamics of excitation energy transfer from biphenylene excimers in pore walls of periodic mesoporous organosilica to coumarin 1 in the mesochannels
K. Cho	Proc. 7 th Int. Cong. On Advanced Electromagnetic Materials in microwaves and Optics (pdf file)	Landau-Lifshitz Theory of Single Susceptibility Maxwell Equations
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K. Ikeuchi, M. Sato, R. Kajimoto, Y. Kobayashi, K. Suzuki, M. Itoh, P. Bourges, A. D. Christianson, H. Nakamura, M. Machida	Strongly Correlated Electron Systems. (SCES) 2013 JPS Conference Proceedings to be published.	Phonons and Spin Excitations in Fe-Based Superconductor $\text{Ca}_{10}\text{Pt}_4\text{As}_8 (\text{Fe}_{1-x}\text{Pt}_x\text{As})_{10} (x \sim 0.2)$
Y. Yasui, Y. Kawamura, Y. Kobayashi and M. Sato	<i>J. Appl. Phys.</i> 115 (2014) 17E125.	Magnetic and dielectric properties of one-dimensional array of $S=1/2$ linear trimer system $\text{Na}_2\text{Cu}_3\text{Ge}_4\text{O}_{12}$