

Harima Paper 2020

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1	Influence of Stacking Order of the Phthalocyanine and Fullerene Layers on the Photoexcited Carrier Dynamics in Model Organic Solar Cell	8.Kenichi Ozawa, Susumu Yamamoto, Tetsuya Miyazawa, Keita Yano, Koji Okudaira, Kazuhiko Mase, and Iwao Matsuda	J. Phys. Chem. C	accepted			2021
2	放射光オペランド計測の近未来: 軟 X 線吸収・発光分光の発展と機能材料分析	原田 慈久	精密工学会誌	87		34-38	2021
3	Band Bending of n-GaN under Ambient H ₂ O Vapor Studied by X-ray Photoelectron Spectroscopy	Yuki Imazeki, Masahiro Sato, Takahito Takeda, Masaki Kobayashi, Susumu Yamamoto, Iwao Matsuda, Jun Yoshinobu, Masakazu Sugiyama, Yoshiaki Nakano	J. Phys. Chem. C	125	17	9011-9019	2021
4	Persistence of the Topological Surface States in Bi ₂ Se ₃ against Ag Intercalation at Room Temperature	Mao Ye, Kenta Kuroda, Mikhail M. Otrokov, Anastasia G. Ryabishchenkova, Qi Jiang, Arthur Ernst, Evgueni V. Chulkov, Masashi Nakatake, Masashi Arita, Taichi Okuda, Tomohiro Matsushita, Laszlo Toth, Hiroshi Daimon, Kenya Shimada, Yoshifumi Ueda, and Akio Kimura	J. Phys. Chem. C	125	3	1784-1792	2021
5	Soft X-ray emission spectroscopy for the electronic state of water molecules influenced by plasma-treated multi-walled carbon nanotubes	Noritaka Sakakibara, Kenichi Inoue, Shion Takahashi, Taku Goto, Tsuyohito Ito, Keishi Akada, Jun Miyawaki, Yukiya Hakuta, Kazuo Terashima, Yoshihisa Harada	Phys. Chem. Chem. Phys	23		10468-10474	2021
6	Study on the Structure and Formation Mechanism of Nanoclusters in Metals by Synchrotron Radiation X-ray Spectroscopy and Spectral Simulation	Ninomiya Kakeru	Doctoral Thesis (Kyushu University)				2021
7	Femtosecond Charge Density Modulations in Photoexcited CuWO ₄	Yohei Uemura, Ahmed Ismail, Sang Han Park, Soonnam Kwon, Minseok Kim, Yasuhiro Niwa, Hiroki Wadati, Hebatalla Elnaggar, Federica Frati, Ties Haarman, Niko Höppel, Nils Huse, Yasuyuki Hirata, Yujun Zhang, Kohei Yamagami, Susumu Yamamoto, Iwao Matsuda, Tetsuo Katayama, Tadashi Togashi, Shigeki Owada, Makina Yabashi, Ufuk Halisdemir, Gertjan Koster, Toshihiko Yokoyama, Bert Weckhuysen, Frank de Groot	J. Phys. Chem. C	125	13	7329	2021
8	Valence Fluctuations in Yb(Al,Fe)B ₄ Studied by Nanosecond-time-resolved Photoemission Spectroscopy Using Synchrotron Radiation	M. Okawa, K. Akikubo, S. Yamamoto, I. Matsuda, T. Saitoh	e-Journal of Surface Science and Nanotechnology	19		20-23	2020
9	放射光軟X線分光法によるリチウムイオン電池の電子状態オペランド計測	細野 英司, 原田 慈久, 朝倉 大輔	計測と制御	60	3	207-212	2021
10	All 2D Heterostructure Tunnel Field-Effect Transistors: Impact of Band Alignment and Heterointerface Quality	Keigo Nakamura, Naoka Nagamura, Keiji Ueno, Takashi Taniguchi, Kenji Watanabe, and Kosuke Nagashio	Appl. Mater. Interfaces	12	46	51598-51606	2020
11	Micrometer-scale monolayer SnS growth by physical vapor deposition	H. Kawamoto, N. Higashitarumizu, N. Nagamura, M. Nakamura, K. Shimamura, N. Ohashi and K. Nagashio	Nanoscale,	12		23274-23281	2020
12	Localized character of charge excitations for La _{2-x} Sr _x NiO _{4+δ} revealed by oxygen K-edge resonant inelastic X-ray scattering	Kohei Yamagami, Kenji Ishii, Yasuyuki Hirata, Keisuke Ikeda, Jun Miyawaki, Yoshihisa Harada, Masanori Miyazaki, Shun Asano, Masaki Fujita, Hiroki Wadati	Phys. Rev. B	102		165145	2020
13	Time-resolved X-ray photoelectron diffraction using an angle-resolved time-of-flight electron analyzer	Artoni Kevin R. Ang, Yuichiro Fukatsu, Koji Kimura, Yuta Yamamoto, Takahiro Yonezawa, Hirokazu Nitta, Antoine Fleurence, Susumu Yamamoto, Iwao Matsuda, Yukiko Yamada-Takamura	Jpn. J. Appl. Phys.	59		100902	2020
14	New Soft X-ray Magneto-Optical Method with the Segmented Undulator and its Future Perspectives for New Light Source"	Yuya KUBOTA and Iwao MATSUDA	放射光	33	3	206-212	2020
15	Annealing Effects on Electronic States in 214-type Cuprate Superconductors by Quantum Beam Spectroscopy	Asano Shun	Doctoral Thesis (Tohoku University),				2020
16	Revisiting the Phase Diagram of T*-type La _{1-x/2} Eu _{1-x/2} Sr _x CuO ₄ Using Oxygen K-edge X-ray Absorption Spectroscopy	Shun Asano, Kenji Ishii, Kohei Yamagami, Jun Miyawaki, Yoshihisa Harada, and Masaki Fujita	J. Phys. Soc. Jpn.	89		075002	2020
17	Scanning magneto-optical Kerr effect (MOKE) measurement with element-selectivity by using a soft X-ray free electron laser and an ellipsoidal mirror	Yuya Kubota, Hiroto Motoyama, Gota Yamaguchi, Satoru Egawa, Yoko Takeo, Masaki Mizuguchi, Himanshu Sharma, Shigeki Owada, Kensuke Tono, Hidekazu Mimura, Iwao Matsuda, and Makina Yabashi	Appl. Phys. Lett.	117	4	042405	2020

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1	Fully spin-polarized bulk states in ferroelectric GeTe	uraj Krempaský, Mauro Fanciulli, Laurent Nicolaï, Jan Minár, Henrieta Volfová, Ondřej Čaha, Valentine V. Volobuev, Jaime Sánchez-Barriga, Martin Gmitra, Koichiro Yaji, Kenta Kuroda, Shik Shin, Fumio Komori, Gunther Springholz, and J. Hugo Dil	Phys. Rev. Research	2		13107	2020
2	Orbital Angular Momentum Induced Spin Polarization of 2D Metallic Bands	Takahiro Kobayashi, Yoshitaka Nakata, Koichiro Yaji, Tatsuya Shishidou, Daniel Agterberg, Shunsuke Yoshizawa, Fumio Komori, Shik Shin, Michael Weinert, Takashi Uchihashi, and Kazuyuki Sakamoto	Phys. Rev. Lett.	125		176401	2020

3	Nature of the Dirac gap modulation and surface magnetic interaction in axion antiferromagnetic topological insulator MnBi ₂ Te ₄	A. M. Shikin, D. A. Estyunin, I. I. Klimovskikh, S. O. Filnov, E. F. Schwier, S. Kumar, K. Miyamoto, T. Okuda, A. Kimura, K. Kuroda, K. Yaji, S. Shin, Y. Takeda, Y. Saitoh, Z. S. Aliev, N. T. Mamedov, I. R. Amiraslanov, M. B. Babanly, M. M. Otrokov, S. V. Eremeev & E. V. Chulkov	Scientific Reports	10		13226	2020
4	Topological surface state of Bi ₂ Se ₃ modified by adsorption of organic donor molecule tetrathianaphthacene	T. Kitazawa, K. Yaji, K. Shimozawa, H. Kondo, T. Yamanaka, H. Yaguchi, Y. Ishida, K. Kuroda, A. Harasawa, T. Iwahashi, Y. Ouchi, F. Komori, S. Shin, K. Kanai	Adv. Mater. Interfaces 7, 2000524	7		2000524	2020