

Lead Author

種別/Type	対象/Area	代表者/Lead author	共著者/Co-Author	題名/Title	発表先/Publication	Y	M	リンク/Link
投稿論文 /Research Paper	国際/ International	Hisashi Kitami	Masaru Miyashita, Toshiyuki Sakemi, Yasushi Aoki, Takanori Kato	Quantitative analysis of ionization rates of depositing particles in reactive plasma deposition using mass-energy analyzer and Langmuir probe	Japanese Journal of Applied Physics 54, 01AB05 (2015)	2014	11	http://dx.doi.org/10.7567/JJAP.54.01AB05

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投稿論文 /Research Paper	国際/ International	Yutaka Furubayashi	Makoto Maehara, Tetsuya Yamamoto	Tailoring of Point Defects in Polycrystalline Indium Tin Oxide Films with Postirradiation of Electronegative Oxygen Ions	ACS Applied Electronic Materials, 1 (2019) pp. 1545-1551.	2019	7	https://pubs.acs.org/doi/10.1021/acsaem.9b00317
投稿論文 /Research Paper	国際/ International	Yutaka Furubayashi	Makoto Maehara, Tetsuya Yamamoto	New insights on factors limiting the carrier transport in very thin amorphous Sn-doped In ₂ O ₃ films with high Hall mobility	Nanoscale Research Letters (2019) 14:120	2019	4	https://doi.org/10.1186/s11671-019-2948-4
投稿論文 /Research Paper	国際/ International	Takahiro Yamada	Takuya Nebiki, Seiichi Kishimoto, Hisao Makino, Kiyoshi Awai, Tadashi Narusawa, Tetsuya Yamamoto	Dependences of structural and electrical properties on thickness of polycrystalline Ga-doped ZnO thin films prepared by reactive plasma deposition	Superlattices and Microstructures, 42 (2007) pp.68-73	2007	6	https://doi.org/10.1016/j.spmi.2007.04.080
投稿論文 /Research Paper	国際/ International	Tetsuya Yamamoto	Takahiro Yamada, Toshiyuki Sakemi, Sho Shirakata, Minoru Osada, Seiichi Kishimoto, Kiyoshi Awai, Hisao Makino, T. Mitsunaga	ZnO:Ga-Based transparent conductive films: An attractive potential for use in flat panel display	Ceramic Transactions 196 (2006) pp. 475-489	2006	6	https://doi.org/10.1002/9781118144121.ch47
投稿論文 /Research Paper	国際/ International	K. Sakai	T. Kakeno, T. Ikari, S. Shirakata, T. Sakemi, K. Awai and T. Yamamoto	Defect centers and optical absorption edge of degenerated semiconductor ZnO thin films grown by a reactive plasma deposition by means of piezoelectric photothermal spectroscopy	Journal of Applied Physics 99 (2006) 043508	2006	2	https://doi.org/10.1063/1.2173040
投稿論文 /Research Paper	国際/ International	Sho Shirakata	Toshiyuki Sakemi, Kiyoshi Awai, Tetsuya Yamamoto	Electrical and optical properties of large area Ga-doped ZnO thin films prepared by reactive plasma deposition	Superlattices and Microstructures 39 (2006) pp.218-228	2005	9	https://doi.org/10.1016/j.spmi.2005.08.045
投稿論文 /Research Paper	国際/ International	Tetsuya Yamamoto	Tooru Mitsunaga, Minoru Osada, Keigo Ikeda, Seiichi Kishimoto, Kiyoshi Awai, Hisao Makino, Takahiro Yamada, Toshiyuki Sakemi, Sho Shirakata	Effects of oxygen-gas flow rate on lattice dynamics and microstructures for Ga-doped ZnO thin films prepared by reactive plasma deposition	Superlattices and Microstructures, 38 (2005) pp. 369-376.	2005	9	https://doi.org/10.1016/j.spmi.2005.08.007
投稿論文 /Research Paper	国際/ International	Minoru Osada	Toshiyuki Sakemi, Tetsuya Yamamoto	The effects of oxygen partial pressure on local structural properties for Ga-doped ZnO thin films	Thin Solid Films, 494 (2006) pp. 38-41	2005	8	https://doi.org/10.1016/j.tsf.2005.07.179
投稿論文 /Research Paper	国際/ International	T. Kakeno	K. Sakai, H. Komaki, K. Yoshino, T. Sakemi, K. Awai, T. Yamamoto, T. Ikari	Dependence of oxygen flow rate on piezoelectric photothermal spectra of ZnO thin films grown by a reactive plasma deposition	Materials Science and Engineering B 118 (2005) pp. 70-73	2005	1	https://doi.org/10.1016/j.mseb.2004.12.014
投稿論文 /Research Paper	国際/ International	K. Iwata	T. Sakemi, A. Yamada, P. Fons, K. Awai, T. Yamamoto, S. Shirakata, K. Matsubara, H. Tampo, K. Sakurai, S. Ishizuka, S. Niki	Improvement of ZnO TCO film growth for photovoltaic devices by reactive plasma deposition (RPD)	Thin Solid Films, 480-481 (2005) pp.199-203	2005	1	https://doi.org/10.1016/j.tsf.2004.11.072
投稿論文 /Research Paper	国際/ International	K. Iwata	T. Sakemi, A. Yamada, P. Fons, K. Awai, T. Yamamoto, M. Matsubara, H. Tampo, K. Sakurai, S. Ishizuka, S. Niki	Doping properties of ZnO thin films for photovoltaic devices grown by URT-IP(ion plating) method	Thin Solid Films, 451-452 (2004) pp.219-223	2004	3	https://doi.org/10.1016/j.tsf.2003.10.095
投稿論文 /Research Paper	国際/ International	T. Yamamoto	T. Sakemi, K. Awai and S. Shirakata	Dependence of carrier concentrations on oxygen pressure for Ga-doped ZnO prepared by ion plating method	Thin Solid Films, 451-452 (2004) pp.439-442	2003	12	https://doi.org/10.1016/j.tsf.2003.10.138
投稿論文 /Research Paper	国際/ International	S. Shirakata	T. Sakemi, K. Awai, T. Yamamoto	Optical and electrical properties of URT-IP ZnO thin films for photovoltaic devices	Thin Solid Films, 451-452 (2004) pp.212-218	2003	12	https://doi.org/10.1016/j.tsf.2003.10.093
投稿論文 /Research Paper	国際/ International	K. Iwata	T. Sakemi, A. Yamada, P. Fons, K. Awai, T. Yamamoto, M. Matsubara, H. Tampo, S. Niki	Growth and electrical properties of ZnO thin films deposited by novel ion plating method	Thin Solid Films, 445 (2003) 274-277	2003	11	https://doi.org/10.1016/S0040-6090(03)01160-X
投稿論文 /Research Paper	国際/ International	S. Shirakata	T. Sakemi, K. Awai, T. Yamamoto	Optical and electrical properties of ZnO films prepared by URT-IP Method	Thin Solid Films, 445 (2003) 278-283	2003	10	https://doi.org/10.1016/S0040-6090(03)01161-1