

Hirokazu Izumi

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31
papers

468
citations

11
h-index

21
g-index

32
ext. papers

496
ext. citations

2.3
avg, IF

2.63
L-index

#	Paper	IF	Citations
31	Electrical and structural properties of indium tin oxide films prepared by pulsed laser deposition. <i>Journal of Applied Physics</i> , 2002 , 91, 1213-1218	2.5	61
30	XPS studies on passive film formed on stainless steel in a high-temperature and high-pressure methanol solution containing chloride ions. <i>Corrosion Science</i> , 2008 , 50, 2840-2845	6.8	48
29	Electrical properties of crystalline ITO films prepared at room temperature by pulsed laser deposition on plastic substrates. <i>Thin Solid Films</i> , 2002 , 411, 32-35	2.2	46
28	Pulsed Laser Deposition of Low-Resistivity Indium Tin Oxide Thin Films at Low Substrate Temperature. <i>Japanese Journal of Applied Physics</i> , 1999 , 38, 2710-2716	1.4	45
27	Highly conducting indium tin oxide (ITO) thin films deposited by pulsed laser ablation. <i>Thin Solid Films</i> , 1999 , 350, 79-84	2.2	40
26	High-quality indium oxide films at low substrate temperature. <i>Applied Physics Letters</i> , 1999 , 74, 3059-3061	1.4	36
25	Effects of stress on the structure of indium-tin-oxide thin films grown by pulsed laser deposition. <i>Journal of Materials Science: Materials in Electronics</i> , 2001 , 12, 57-61	2.1	26
24	Effect of Sn doping on the electronic transport mechanism of indium tin oxide films grown by pulsed laser deposition coupled with substrate irradiation. <i>Journal of Applied Physics</i> , 2000 , 88, 4175	2.5	23
23	Preparation of Sm ₂ Fe ₁₇ N _x Powders and Their Bonded Magnets with High-Performance Permanent Magnetic Characteristics. <i>Chemistry of Materials</i> , 1997 , 9, 2759-2767	9.6	22
22	Pulsed Laser Deposition of Crystalline Indium Tin Oxide Films at Room Temperature by Substrate Laser Irradiation. <i>Japanese Journal of Applied Physics</i> , 2000 , 39, L377-L379	1.4	21
21	Effective Grinding Procedure for Sm ₂ Fe ₁₇ N _x Powder with High-Performance Permanent Magnetic Characteristics. <i>Japanese Journal of Applied Physics</i> , 1995 , 34, L741-L743	1.4	21
20	Transformation of multiwalled carbon nanotubes to amorphous carbon nanorods under ion irradiation. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 02BD06	1.4	10
19	Fine characterization of plasma-polymerized films from a methane/air mixture. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 3408-3414	2.9	9
18	Thermal annealing effects on ultra-violet luminescence properties of Gd doped AlN. <i>Journal of Applied Physics</i> , 2015 , 117, 163105	2.5	8
17	Growth and ferroelectric properties of La and Al codoped BiFeO ₃ epitaxial films. <i>Journal of Applied Physics</i> , 2017 , 121, 174102	2.5	7
16	Spectroscopic characterization of ion-irradiated multi-layer graphenes. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013 , 315, 64-67	1.2	7
15	Influence of local atomic configuration in AlGaN phosphor thin films on deep ultra-violet luminescence intensity. <i>Journal of Applied Physics</i> , 2011 , 110, 093108	2.5	7

14	Controllability of cupric particle synthesis by linear alcohol chain number as additive and pH control in cupric acetate solution using X-ray radiolysis. <i>Journal of Synchrotron Radiation</i> , 2019 , 26, 1986-1995	2.4	6
13	Defect Evolution in Multiwalled Carbon Nanotube Films Irradiated by Ar Ions. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 110202	1.4	6
12	Solid/liquid-interface-dependent synthesis and immobilization of copper-based particles nucleated by X-ray-radiolysis-induced photochemical reaction. <i>Journal of Synchrotron Radiation</i> , 2020 , 27, 1008-1014	2.4	5
11	Multiple excitation process in deep-ultraviolet emission from AlGdN thin films pumped by an electron beam. <i>Journal of Applied Physics</i> , 2012 , 111, 083526	2.5	3
10	Correlation between local atomic structure and ultraviolet luminescence of AlGdN thin films. <i>Journal of Physics: Conference Series</i> , 2013 , 417, 012049	0.3	2
9	Defect Evolution in Multiwalled Carbon Nanotube Films Irradiated by Ar Ions. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 110202	1.4	2
8	FABRICATION OF WELL-ORDERED INDIUM-TIN-OXIDE FILM AND CHARACTERIZATION OF ORGANIC FILMS VACUUM-DEPOSITED ON IT. <i>Molecular Crystals and Liquid Crystals</i> , 2003 , 405, 59-66	0.5	2
7	Electric characteristics of multi-walled carbon nanotubes irradiated with highly charged ions. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, SIIC01	1.4	1
6	Resonant indirect excitation of Gd ³⁺ in AlN thin films. <i>Journal of Applied Physics</i> , 2014 , 115, 173508	2.5	1
5	Synthesis of Sm ₂ Fe ₁₇ C _x via the Arc Melting of Sm, SmC ₂ , and Fe. <i>Chemistry Letters</i> , 1993 , 22, 1903-1906	1.7	1
4	Synthesis and magnetic properties of Sm ₂ Fe ₁₇ C _x N _y using SmC ₂ as a starting material. <i>Journal of Alloys and Compounds</i> , 1994 , 215, 245-249	5.7	1
3	Deposition of Polytetrafluoroethylene Film Assisted by Synchrotron Radiation Irradiation. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2019 , 32, 249-252	0.7	1
2	Highly Efficient Ultra-Violet Luminescence from Low-Temperature Grown AlGdN. <i>Zairyo/Journal of the Society of Materials Science, Japan</i> , 2010 , 59, 666-670	0.1	
1	Ultraviolet Light Emitting Devices Using AlGdN. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1342, 55		