

Mamoru Baba

List of Publications by Year in descending order

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25
papers

145
citations

1163117

8
h-index

1199594

12
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25
all docs

25
docs citations

25
times ranked

150
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Correlation between Morphology and Electronic Properties of Fluorinated Copper Phthalocyanine (F16CuPc) Thin Films. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 444, 203-210.	0.9	19
2	Whisperingâ€galleryâ€mode dye lasers in blue, green, and orange regions using dyeâ€doped, solid, small spheres. <i>Applied Physics Letters</i> , 1993, 62, 2155-2157.	3.3	15
3	Density Functional Electronic Structure Calculations of Lithium Ion Adsorption on Defective Carbon Nanotubes. <i>E-Journal of Surface Science and Nanotechnology</i> , 2005, 3, 358-361.	0.4	14
4	Lithium-ion conductive glass-ceramics with composition ratio control and their electrochemical characteristics. <i>Journal of the Ceramic Society of Japan</i> , 2010, 118, 1159-1162.	1.1	13
5	<i>in-operando</i> observation of Li depth distribution and Li transport in thin film Li ion batteries. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	13
6	Multiple oscillation of whisperingâ€galleryâ€mode dye lasers in green and orange regions using mixedâ€dyeâ€doped solid microspheres. <i>Journal of Applied Physics</i> , 1993, 73, 7957-7959.	2.5	12
7	High Performance Pentacene Thin Film Transistors with a PVA Gate Dielectric. <i>Molecular Crystals and Liquid Crystals</i> , 2007, 471, 205-211.	0.9	11
8	GROWTH CONDITIONS EFFECTS ON MORPHOLOGY AND TRANSPORT PROPERTIES OF PENTACENE THIN FILMS. <i>Molecular Crystals and Liquid Crystals</i> , 2003, 407, 147-155.	0.9	9
9	Inexpensive operating system for whisperingâ€galleryâ€mode laser using dyeâ€doped solid small spheres. <i>Review of Scientific Instruments</i> , 1993, 64, 628-631.	1.3	7
10	Characterization of R.F. Magnetron Sputtered Vanadium Oxide Thin Films and Intercalation of Lithium in the Oxide Films. <i>Electrochemistry</i> , 2004, 72, 261-265.	1.4	5
11	Assessing the potential of ion beam analytical techniques for depth profiling Li in thin film Li ion batteries. <i>Journal of Applied Physics</i> , 2021, 130, .	2.5	5
12	Radiative and Non-Radiative Processes of S-Vacancy Centers and F-Center Formation in NaCl Crystals. <i>Journal of the Physical Society of Japan</i> , 1986, 55, 2422-2426.	1.6	4
13	Improved Organic Thin Film Transistor Performance Utilizing a DH-6T Submonolayer. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 580, 110-116.	0.9	4
14	Pressure-Controlled Tight-Binding Molecular Dynamics Simulation of Carbon Nanotubes. <i>Journal of the Physical Society of Japan</i> , 2001, 70, 2593-2597.	1.6	3
15	Sensitive in-operando observation of Li and O transport in thin-film Li-ion batteries. <i>Materials Today Energy</i> , 2021, 21, 100844.	4.7	3
16	Decay Time of 2.09 eV Luminescence of S2-Vacancy Centers and Their Optical and Thermal Stability in NaCl:S2 Crystals. <i>Optical Review</i> , 1999, 6, 82-87.	2.0	2
17	Analysis of electromagnetic propulsion on a two-electric-dipole system. <i>Electronics and Communications in Japan</i> , 2000, 83, 31-39.	0.2	2
18	Cellular Automaton Model for Biased Diffusive Traffic Flow. <i>Journal of the Physical Society of Japan</i> , 1996, 65, 3415-3418.	1.6	1

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19	Dynamical Structure Factors of Single-Walled Carbon Nanotubes by Means of Molecular Dynamics Calculation. Journal of the Physical Society of Japan, 2000, 69, 2531-2535.	1.6	1
20	The Meyer-Neldel rule in ambipolar organic thin film transistors based on F16CuPc/ Γ ±6T pn heterojunction. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 598-600.	0.8	1
21	Surface modifications of aligned carbon nanotube thin films by Argon-ion sputtering. IEEJ Transactions on Electrical and Electronic Engineering, 2012, 7, 436-437.	1.4	1
22	Probabilistic Cellular Automaton for Random Walkers. Journal of the Physical Society of Japan, 2000, 69, 1352-1355.	1.6	0
23	Fabrication and characterization of poly(triazine dithiol) thin films using a two-step deposition/ photopolymerization process and micropattern. E-Polymers, 2012, 12, .	3.0	0
24	Fabrication and photoluminescence properties of high-quality ZnO film grown by solution-vaporizing MOCVD. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1377-1380.	0.8	0
25	Fabrication of Au Microelectrodes with Photopolymerization of Triazine Dithiol Thin Films. Japanese Journal of Applied Physics, 2011, 50, 100208.	1.5	0