

Masao Isomura

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Optimization of Brookite TiO ₂ NPs Solution for Preparing the Electron Transport Layer of Flexible Perovskite Solar Cells. <i>Journal of Advanced Science</i> , 2022, 34, n/a.	0.1	0
2	Development of flexible perovskite solar cells by the low-temperature fabrication of TiO ₂ electron transport layers. <i>Journal of Advanced Science</i> , 2020, 32, n/a.	0.1	1
3	A single-phase brookite TiO ₂ nanoparticle bridge enhances the stability of perovskite solar cells. <i>Sustainable Energy and Fuels</i> , 2020, 4, 2009-2017.	4.9	25
4	Improvement of dispersibility and film formability of TiO ₂ nanoparticles by surfactant modification. <i>Journal of Advanced Science</i> , 2019, 31, n/a.	0.1	0
5	Oblique Electrostatic Inkjet-Deposited TiO ₂ Electron Transport Layers for Efficient Planar Perovskite Solar Cells. <i>Scientific Reports</i> , 2019, 9, 19494.	3.3	29
6	Crystallization of silicon-germanium by aluminum-induced layer exchange. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 025503.	1.5	3
7	Formation of crystalline silicon-germanium thin films on silicon substrates by solid phase crystallization. <i>Thin Solid Films</i> , 2018, 645, 203-208.	1.8	5
8	Highly Efficient Planar Perovskite Solar Cells Exploiting a Compact TiO ₂ /Anatase TiO ₂ Single Crystalline Nanoparticles Electron Transport Bilayer. , 2018, , .		0
9	Compact TiO ₂ /Anatase TiO ₂ Single-Crystalline Nanoparticle Electron-Transport Bilayer for Efficient Planar Perovskite Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12070-12078.	6.7	39
10	Solid phase crystallization of germanium films on crystalline silicon. <i>Thin Solid Films</i> , 2017, 621, 207-210.	1.8	4
11	Atmospheric Pressure Linear Microwave Plasma for Surface Treatment of Materials. <i>Journal of the Vacuum Society of Japan</i> , 2017, 60, 105-111.	0.3	4
12	Development of organic-inorganic hybrid perovskite solar cells. <i>Journal of Advanced Science</i> , 2016, 28, n/a.	0.1	0
13	Epitaxial growth of germanium thin films on crystal silicon substrates by solid phase crystallization. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 04DR08.	1.5	8
14	Preferential crystal growth of germanium by solid phase crystallization. <i>Canadian Journal of Physics</i> , 2014, 92, 576-581.	1.1	5
15	Crystalline growth of germanium thin films on single crystal silicon substrates by solid phase crystallization. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 2166-2170.	3.1	8
16	Polycrystalline silicon germanium thin films prepared by aluminum-induced crystallization. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 617-620.	1.8	14
17	Microcrystalline silicon-germanium thin films prepared by the chemical transport process using hydrogen radicals. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 2109-2112.	3.1	10
18	Effect of illumination-induced space charge on photocarrier transport in hydrogenated microcrystalline Si _{1-x} Ge _x p-i-n solar cells. <i>Applied Physics Letters</i> , 2007, 91, 102111.	3.3	21

#	ARTICLE	IF	CITATIONS
19	Effects of the hydrogen plasma treatment on the thin-film polycrystalline SiGe. , 2006, , .		0
20	Micro-Crystalline Silicon Thin Films Deposited by the Reactive RF Magnetron Sputtering System. , 2006, , .		0
21	Formation of polycrystalline SiGe thin films by the RF magnetron sputtering method with Ar+H ₂ mixture gases. Vacuum, 2006, 80, 712-715.	3.5	18
22	Influence of alloy composition on carrier transport and solar cell properties of hydrogenated microcrystalline silicon-germanium thin films. Applied Physics Letters, 2006, 89, 142115.	3.3	69
23	Micro-crystalline silicon-germanium thin films prepared by the multi-target RF sputtering system. Materials Research Society Symposia Proceedings, 2005, 862, 621.	0.1	2