

Yoshio Hashimoto

List of Publications by Year in descending order

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979
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanocarbons from rice husk by microwave plasma irradiation: From graphene and carbon nanotubes to graphenated carbon nanotube hybrids. Carbon, 2015, 94, 479-484.	10.3	81
2	Band alignment at CdS/CuInS ₂ heterojunction. Applied Physics Letters, 1995, 67, 980-982.	3.3	63
3	Growth of ZnO Submicron Single-Crystalline Platelets, Wires, and Rods by Ultrasonic Spray Pyrolysis. Japanese Journal of Applied Physics, 2007, 46, 440-448.	1.5	42
4	Cu ₂ ZnSnS ₄ Thin Film Solar Cells Utilizing Sulfurization of Metallic Precursor Prepared by Simultaneous Sputtering of Metal Targets. Japanese Journal of Applied Physics, 2011, 50, 01BG09.	1.5	39
5	Photocatalytic and Photoelectrochemical Hydrogen Evolution from Water over Cu ₂ Sn _x Ge _{1-x} S ₃ Particles. Journal of the American Chemical Society, 2021, 143, 5698-5708.	13.7	33
6	Cu ₂ ZnSnS ₄ Thin Film Solar Cells Utilizing Sulfurization of Metallic Precursor Prepared by Simultaneous Sputtering of Metal Targets. Japanese Journal of Applied Physics, 2011, 50, 01BG09.	1.5	30
7	Influence of Ge composition in the Cu ₂ Sn _{1-x} Ge _x S ₃ thin-film photovoltaic absorber prepared by sulfurization of laminated metallic precursor. Solar Energy Materials and Solar Cells, 2015, 140, 312-319.	6.2	28
8	Solar cells with Cu(In _{1-x} Ga _x)S ₂ thin films prepared by sulfurization. Solar Energy Materials and Solar Cells, 2001, 67, 225-230.	6.2	27
9	A Cadmium-Free Cu ₂ ZnSnS ₄ /ZnO Heterojunction Solar Cell Prepared by Practicable Processes. Japanese Journal of Applied Physics, 2011, 50, 032301.	1.5	27
10	Structural evolution of hydrothermal carbon spheres induced by high temperatures and their electrical properties under compression. Carbon, 2017, 121, 426-433.	10.3	25
11	Position-selective growth of ZnO nanowires by ultrasonic spray pyrolysis. Journal of Crystal Growth, 2009, 311, 4499-4504.	1.5	23
12	Microwave plasma-induced graphene-sheet fibers from waste coffee grounds. Journal of Materials Chemistry A, 2015, 3, 14545-14549.	10.3	22
13	Growth of 1- μ m-thick Continuous FeSi_2 Films on Abraded p+-Si(001) Substrates by RF-Magnetron Sputtering. Japanese Journal of Applied Physics, 2003, 42, 5490-5493.	1.5	21
14	Synthesis of carbon nanosheets from Kapton polyimide by microwave plasma treatment. Carbon, 2014, 72, 421-424.	10.3	20
15	A Cadmium-Free Cu ₂ ZnSnS ₄ /ZnO Heterojunction Solar Cell Prepared by Practicable Processes. Japanese Journal of Applied Physics, 2011, 50, 032301.	1.5	20
16	Thermal chemical vapor deposition and luminescence property of graphitic carbon nitride film for carbon-based semiconductor systems. Japanese Journal of Applied Physics, 2019, 58, 010907.	1.5	19
17	Microwave plasma-induced growth of vertical graphene from fullerene soot. Carbon, 2021, 172, 26-30.	10.3	18
18	Facile synthesis of graphene sheets intercalated by carbon spheres for high-performance supercapacitor electrodes. Carbon, 2020, 167, 11-18.	10.3	18

#	ARTICLE	IF	CITATIONS
19	Synthesis of optical quality ZnO nanowires utilizing ultrasonic spray pyrolysis. <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 341-345.	2.2	16
20	Structure changes of MPECVD-grown carbon nanosheets under high-temperature treatment. <i>Carbon</i> , 2014, 68, 360-368.	10.3	16
21	Cu(In _{1-x} Ga _x)S ₂ Thin Films Prepared by Sulfurization of Precursors Consisting of Metallic and Gallium Sulfide Layers. <i>Japanese Journal of Applied Physics</i> , 1998, 37, 6530-6534.	1.5	15
22	Photoluminescence Properties and Morphologies of Submicron-Sized ZnO Crystals Prepared by Ultrasonic Spray Pyrolysis. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 541.	1.5	14
23	Electrically Triggered Actuation of Plasticized Thermoplastic Polyurethane Gels. <i>Macromolecular Materials and Engineering</i> , 2016, 301, 864-869.	3.6	13
24	Formation of graphitic carbon nitride and boron carbon nitride film on sapphire substrate. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 02CB09.	1.5	12
25	Graphene nanosheet-grafted double-walled carbon nanotube hybrid nanostructures by two-step chemical vapor deposition and their application for ethanol detection. <i>Scientific Reports</i> , 2019, 9, 7871.	3.3	12
26	High-temperature-induced growth of graphite whiskers from fullerene waste soot. <i>Carbon</i> , 2015, 90, 154-159.	10.3	11
27	Chemical Vapor Deposition of Boron-incorporated Graphitic Carbon Nitride Film for Carbon-based Wide Bandgap Semiconductor Materials. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900375.	1.5	11
28	Electric-Field-Induced Actuation of Poly(vinyl alcohol) Microfibers. <i>Journal of Physical Chemistry C</i> , 2012, 116, 23236-23242.	3.1	10
29	Nitrogen-doped graphene nanosheet-double-walled carbon nanotube hybrid nanostructures for high-performance supercapacitors. <i>FlatChem</i> , 2021, 29, 100292.	5.6	10
30	Effect of ultrasonically generated water vapor treatment on the Cu ₂ ZnSnS ₄ /CdS heterojunction-based photovoltaic cells. <i>Solar Energy Materials and Solar Cells</i> , 2016, 157, 765-776.	6.2	9
31	Electronic transport and device application of crystalline graphitic carbon nitride film. <i>Materials Letters</i> , 2020, 281, 128600.	2.6	9
32	Field emission property of ZnO nanowires prepared by ultrasonic spray pyrolysis. <i>Superlattices and Microstructures</i> , 2015, 84, 144-153.	3.1	8
33	Fine Control of Nitrogen Content in N-doped Titania Photocatalysts Prepared from Layered Titania/Isostearate Nanocomposites for High Visible-Light Photocatalytic Activity. <i>Topics in Catalysis</i> , 2009, 52, 1584-1591.	2.8	7
34	Formation of polyketone particle structure by hexafluoroisopropanol solvent evaporation and effects of plasticizer addition. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 887-892.	2.1	6
35	Graphite Whiskers Derived from Waste Coffee Grounds Treated at High Temperature. <i>Global Challenges</i> , 2019, 3, 1800107.	3.6	6
36	Oxygen in Ge crystals grown by the B ₂ O ₃ encapsulated Czochralski method. <i>Physica B: Condensed Matter</i> , 2012, 407, 2932-2934.	2.7	5

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37	Demonstration of electronic devices in graphitic carbon nitride crystalline film. AIP Advances, 2021, 11, .	1.3	5
38	Control of Compositional Profile and Crystallinity of $\text{CuIn}_{1-x}\text{Al}_x\text{S}_2$ Thin Films. Japanese Journal of Applied Physics, 2006, 45, 8592-8596.	1.5	4
39	Behaviour of oxygen-related thermal donors in Ge crystals Czochralski-grown from the melt covered fully by B_2O_3 . Journal of Physics: Conference Series, 2011, 281, 012011.	0.4	4
40	Czochralski growth techniques of germanium crystals grown from a melt covered partially or fully by liquid B_2O_3 . Journal of Crystal Growth, 2012, 360, 47-51.	1.5	4
41	Solid-source vapor growth of rectangular germanium arsenide (GeAs) film. Materials Letters, 2021, 283, 128748.	2.6	4
42	Synthesis of a cuprite thin film by oxidation of a Cu metal precursor utilizing ultrasonically generated water vapor. Thin Solid Films, 2014, 556, 211-215.	1.8	3
43	Preparation and characterization of novel transparent plasticized poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (Polymer Physics, 2015, 53, 829-832.	2.1	3
44	Vertical Graphene for Biosensors. , 2018, , 37-56.		3
45	Solid-source vapor growth and optoelectronic properties of arsenic-based layered group-IV monpnictides. CrystEngComm, 2022, 24, 4085-4092.	2.6	2
46	Photoluminescence of Layered Semiconductor Materials for Emission-Color Conversion of Blue Micro Light-Emitting Diode (μLED). Coatings, 2020, 10, 985.	2.6	1
47	Electrical Properties in Ta_2NiSe_5 Film and van der Waals Heterojunction. Coatings, 2021, 11, 1485.	2.6	0