Naoomi Yamada

List of Publications by Year
in descending order

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		159585	197818
73	2,540	30	49
papers	citations	h-index	g-index

75	75	75	2402
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electron transport properties in degenerate magnesium tin oxynitride (Mg_{1â^'x}Sn_{1+x}N_{2â^'2y}O_{2y}) with average wurtzite structure. Journal of Applied Physics, 2022, 131, 075302.	2.5	2
2	Tunability of the bandgap of SnS by variation of the cell volume by alloying with A.E. elements. Scientific Reports, 2022, 12, 7434.	3.3	9
3	Thin film synthesis and violet-light emission of widegap Cu₂Znl₄. Journal of the Ceramic Society of Japan, 2022, 130, 331-336.	1.1	1
4	Synthesis of CaSnN₂ via a High-Pressure Metathesis Reaction and the Properties of II-Sn-N₂ (II = Ca, Mg, Zn) Semiconductors. Inorganic Chemistry, 2021, 60, 1773-1779.	4.0	18
5	Composition-Dependent Properties of Wurtzite-Type Mg_{1+x}Sn_{1â€“x}N₂ Epitaxially Grown on GaN(001) Templates. ACS Applied Electronic Materials, 2021, 3, 1341-1349.	4.3	12
6	Band Gap-Tunable (Mg, Zn)SnN₂ Earth-Abundant Alloys with a Wurtzite Structure. ACS Applied Electronic Materials, 2021, 3, 4934-4942.	4.3	14
7	Synthesis of a Novel Rocksaltâ€Type Ternary Nitride Semiconductor MgSnN₂ Using the Metathesis Reaction under High Pressure. European Journal of Inorganic Chemistry, 2020, 2020, 446-451.	2.0	33
8	Electron-transport properties of degenerate ZnSnN2 doped with oxygen. BMC Materials, 2020, 2, .	6.8	10
9	Wideâ€Rangeâ€Tunable pâ€Type Conductivity of Transparent CuI_{1â^'}_xBr_x Alloy. Advanced Functional Materials, 2020, 30, 2003096.	14.9	20
10	Synthesis of a Novel Rocksalt-Type Ternary Nitride Semiconductor MgSnN2 Using the Metathesis Reaction Under High Pressure. European Journal of Inorganic Chemistry, 2020, 2020, 418-418.	2.0	0
11	Origin of Optical Transparency in a Transparent Superconductor LiTi2O4. ACS Applied Electronic Materials, 2020, 2, 517-522.	4.3	5
12	Visible-blind wide-dynamic-range fast-response self-powered ultraviolet photodetector based on CuI/In-Ga-Zn-O heterojunction. Applied Materials Today, 2019, 15, 153-162.	4.3	46
13	The bandgap of ZnSnN₂ with a disordered-wurtzite structure. Japanese Journal of Applied Physics, 2019, 58, SC1034.	1.5	14
14	Bandgap tunable Zn3-3Mg3N2 alloy for earth-abundant solar absorber. Materials Letters, 2019, 236, 649-652.	2.6	7
15	Lowâ€Temperature Fabrication and Performance of Polycrystalline CuI Films as Transparent pâ€Type Semiconductors. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1700782.	1.8	39
16	Effect of kaolin on ash partitioning during combustion of a low-rank coal in O2/CO2 atmosphere. Fuel, 2018, 222, 538-543.	6.4	13
17	TiO₂/<scp>TNO</scp> homojunction introduced in a dyeâ€sensitized solar cell with a novel <scp>TNO</scp> transparent conductive oxide film. Journal of the American Ceramic Society, 2018, 101, 5071-5079.	3.8	3
18	High-throughput optimization of near-infrared-transparent Mo-doped In2O3 thin films with high conductivity by combined use of atmospheric-pressure mist chemical-vapor deposition and sputtering. Thin Solid Films, 2017, 626, 46-54.	1.8	22

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19	Zinc nitride as a potential high-mobility transparent conductor. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600472.	1.8	11
20	Highâ€Mobility Transparent pâ€Type CuI Semiconducting Layers Fabricated on Flexible Plastic Sheets: Toward Flexible Transparent Electronics. Advanced Electronic Materials, 2017, 3, 1700298.	5.1	62
21	Conduction-band effective mass and bandgap of ZnSnN2 earth-abundant solar absorber. Scientific Reports, 2017, 7, 14987.	3.3	33
22	Truly Transparent p-Type Î³-CuI Thin Films with High Hole Mobility. Chemistry of Materials, 2016, 28, 4971-4981.	6.7	166
23	Synthesis of ZnSnN₂ crystals via a highâ€pressure metathesis reaction. Crystal Research and Technology, 2016, 51, 220-224.	1.3	62
24	Comparative study of electron transport mechanisms in epitaxial and polycrystalline zinc nitride films. Journal of Applied Physics, 2016, 119, .	2.5	28
25	Study on the species of heavy metals in MSW incineration fly ash and their leaching behavior. Fuel Processing Technology, 2016, 152, 108-115.	7.2	132
26	Condensation Behavior of Heavy Metal Vapors upon Flue Gas Cooling in Oxy-fuel versus Air Combustion. Journal of Chemical Engineering of Japan, 2015, 48, 450-457.	0.6	0
27	Oxygen-Doped Zinc Nitride as a High-Mobility Nitride-Based Semiconductor. Journal of Physical Chemistry C, 2015, 119, 5327-5333.	3.1	38
28	p- to n-Type Conversion and Nonmetalâ€“Metal Transition of Lithium-Inserted Cu₃N Films. Chemistry of Materials, 2015, 27, 8076-8083.	6.7	35
29	Electrical and Structural Properties of Ta-doped SnO2 Transparent Conductive Thin Films by Pulsed Laser Deposition. Materials Research Society Symposia Proceedings, 2014, 1604, 1.	0.1	0
30	Lateral Solid-Phase Epitaxy of Oxide Thin Films on Glass Substrate Seeded with Oxide Nanosheets. ACS Nano, 2014, 8, 6145-6150.	14.6	24
31	Transparent conducting zinc nitride films. Japanese Journal of Applied Physics, 2014, 53, 05FX01.	1.5	10
32	Effect of H2S concentration in gasified gas on the microstructure and leaching properties of coal slag. Fuel, 2014, 116, 812-819.	6.4	6
33	Effect of inorganic particulates on the condensation behavior of lead and zinc vapors upon flue gas cooling. Proceedings of the Combustion Institute, 2013, 34, 2821-2829.	3.9	25
34	A microscopic study of the precipitation of metallic iron in slag from iron-rich coal during high temperature gasification. Fuel, 2013, 103, 101-110.	6.4	24
35	Effect of magnesium additives on PM2.5 reduction during pulverized coal combustion. Fuel Processing Technology, 2013, 105, 188-194.	7.2	24
36	Effect of HCl, SO2 and H2O on the condensation of heavy metal vapors in flue gas cooling section. Fuel Processing Technology, 2013, 105, 181-187.	7.2	31

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37	Condensation Behavior of Heavy Metals during Oxy-fuel Combustion: Deposition, Species Distribution, and Their Particle Characteristics. Energy & Fuels, 2013, 27, 5640-5652.	5.1	20
38	Enhanced Carrier Generation in Nb-Doped SnO$_{2}$ Thin Films Grown on Strain-Inducing Substrates. Applied Physics Express, 2012, 5, 061201.	2.4	18
39	Transparent conductivity of fluorine-doped anatase TiO2 epitaxial thin films. Journal of Applied Physics, 2012, 111, 093528.	2.5	25
40	Sputter joining of TiO2/ SiO2thin film system. IOP Conference Series: Materials Science and Engineering, 2011, 24, 012011.	0.6	2
41	Enhanced Carrier Transport in Uniaxially (001)-Oriented Anatase Ti0.94Nb0.06O2Films Grown on Nanosheet Seed Layers. Applied Physics Express, 2011, 4, 045801.	2.4	21
42	Fabrication of transparent conductive Wâ€doped SnO₂ thin films on glass substrates using anatase TiO₂ seed layers. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 543-545.	0.8	25
43	Effects of HCl, SO2 and H2O in flue gas on the condensation behavior of Pb and Cd vapors in the cooling section of municipal solid waste incineration. Proceedings of the Combustion Institute, 2011, 33, 2787-2793.	3.9	46
44	Low-temperature crystallization of TiO 2 films by sputter deposition. , 2010, , .		0
45	Transparent conducting Nb-doped anatase TiO2 (TNO) thin films sputtered from various oxide targets. Thin Solid Films, 2010, 518, 3101-3104.	1.8	51
46	Fabrication of highly conductive Ta-doped SnO2 polycrystalline films on glass using seed-layer technique by pulse laser deposition. Thin Solid Films, 2010, 518, 3093-3096.	1.8	34
47	Properties of TiO₂â€based transparent conducting oxides. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1529-1537.	1.8	165
48	Properties of TiO2-based transparent conducting oxide thin films on GaN(0001) surfaces. Journal of Applied Physics, 2010, 107, .	2.5	43
49	Sputter Deposition of High-Mobility Sn_{1-x}Ta_xO₂ Films on Anatase-TiO₂-Coated Glass. Japanese Journal of Applied Physics, 2010, 49, 108002.	1.5	12
50	High Mobility Exceeding 80 cm2V-1s-1in Polycrystalline Ta-Doped SnO2Thin Films on Glass Using Anatase TiO2Seed Layers. Applied Physics Express, 2010, 3, 031102.	2.4	44
51	Large electron mass anisotropy in a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>-electron-based transparent conducting oxide: Nb-doped anatase<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>TiO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> films. Physical Review B, 2009, 79, .	3.2	63
52	Direct growth of transparent conducting Nb-doped anatase TiO2 polycrystalline films on glass. Journal of Applied Physics, 2009, 105, .	2.5	70
53	Fabrication of TiO2-based transparent conducting oxide on glass and polyimide substrates. Thin Solid Films, 2009, 517, 3106-3109.	1.8	37
54	Structural, electrical and optical properties of sputter-deposited Nb-doped TiO2 (TNO) polycrystalline films. Thin Solid Films, 2008, 516, 5754-5757.	1.8	70

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55	Transparent conducting properties of anatase Ti0.94Nb0.06O2 polycrystalline films on glass substrate. Thin Solid Films, 2008, 516, 5750-5753.	1.8	37
56	Electronic Band Structure of Transparent Conductor: Nb-Doped Anatase TiO2. Applied Physics Express, 2008, 1, 111203.	2.4	134
57	Low-temperature Fabrication of Transparent Conducting Anatase Nb-doped TiO2Films by Sputtering. Applied Physics Express, 2008, 1, 115001.	2.4	69
58	Structural study of TiO2-based transparent conducting films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2008, 26, 1027-1029.	2.1	10
59	Sputter Deposition of Anatase Titanum Dioxide Transparent Conducting Films. Journal of the Vacuum Society of Japan, 2008, 51, 602-607.	0.3	2
60	Low-temperature Fabrication of Transparent Conductive Polycrystalline Nb-doped TiO₂ Films by Sputtering. , 2008, , .		0
61	Recent Developments of Nb-doped Anatase TiO2 Transparent Conductors. Hyomen Kagaku, 2008, 29, 25-30.	0.0	0
62	Growth of Transparent Conducting Nb-doped Anatase TiO₂ Thin Films on Glass using Seed Layers. , 2008, , .		0
63	Transport properties of d-electron-based transparent conducting oxide: Anatase Ti1â^'xNbxO2. Journal of Applied Physics, 2007, 101, 093705.	2.5	115
64	Fabrication of Low Resistivity Nb-doped TiO₂ Transparent Conductive Polycrystalline Films on Glass by Reactive Sputtering. Japanese Journal of Applied Physics, 2007, 46, 5275.	1.5	86
65	Fabrication of highly conductive Ti1â^'xNbxO2 polycrystalline films on glass substrates via crystallization of amorphous phase grown by pulsed laser deposition. Applied Physics Letters, 2007, 90, 212106.	3.3	146
66	Title is missing!. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2007, 58, 798-803.	0.2	0
67	Preparation of Zn[sub 1â^'x]Mg[sub x]O Film by Electrochemical Reaction. Electrochemical and Solid-State Letters, 2006, 9, C178.	2.2	19
68	Chalcopyrite Thin-Film Tandem Solar Cells with 1.5 V Open-Circuit-Voltage. , 2006, , .		14
69	Effects of Postdeposition Annealing on Electrical Properties of Mo-Doped Indium Oxide (IMO) Thin Films Deposited by RF Magnetron Cosputtering. Japanese Journal of Applied Physics, 2006, 45, L1179-L1182.	1.5	28
70	Novel Wide-Band-Gap Ag(In_{1-x}Ga_x)Se₂ Thin Film Solar Cells. Materials Research Society Symposia Proceedings, 2005, 865, 1111.	0.1	38
71	Structural Properties of Ag-Based Chalcopyrite Compound Thin Films for Solar Cells. Materials Research Society Symposia Proceedings, 2005, 865, 5121.	0.1	10
72	Donor Compensation and Carrier-Transport Mechanisms in Tin-doped In2O3Films Studied by Means of Conversion Electron119Sn MÃ¶ssbauer Spectroscopy and Hall Effect Measurements. Japanese Journal of Applied Physics, 2000, 39, 4158-4163.	1.5	48

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73	Doping Mechanisms of Sn in In2O3Powder Studied Using119Sn MÃ¶ssbauer Spectroscopy and X-Ray Diffraction. Japanese Journal of Applied Physics, 1999, 38, 2856-2862.	1.5	59