

Toshihiro Shimada

List of Publications by Year in descending order

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209
papers

4,786
citations

109321

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110387

64
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all docs

210
docs citations

210
times ranked

5109
citing authors

#	ARTICLE	IF	CITATIONS
1	Free-Standing Nanometer-Thick Covalent Organic Framework Films for Separating CO ₂ and N ₂ . ACS Applied Nano Materials, 2022, 5, 2367-2374.	5.0	6
2	AQ-coupled few-layered g-C ₃ N ₄ nanoplates obtained by one-step mechanochemical treatment for efficient visible-light photocatalytic H ₂ O ₂ production. International Journal of Hydrogen Energy, 2022, 47, 16005-16013.	7.1	9
3	Synthesis of Boron Nitride Nanotubes Using Plasma-Assisted CVD Catalyzed by Cu Nanoparticles and Oxygen. Nanomaterials, 2021, 11, 651.	4.1	8
4	Large Inverse Tunnel Magnetoresistance in Magnetic Tunnel Junctions with an Fe ₃ O ₄ Electrode. Physical Review Applied, 2021, 15, .	3.8	16
5	Ultrahigh-Pressure Preparation and Catalytic Activity of MOF-Derived Cu Nanoparticles. Nanomaterials, 2021, 11, 1040.	4.1	10
6	DFT calculation of square MoS ₂ nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 130, 114693.	2.7	3
7	Single Crystal Growth of ĩ€-Conjugated Large Molecules without Solubilizing Alkyl Chains via the Naphthalene Flux Method. Crystal Growth and Design, 2021, 21, 4683-4689.	3.0	6
8	Intersection of Organic Molecules and Carbon Materials for Sustainable Society. IEEJ Transactions on Electronics, Information and Systems, 2021, 141, 761-766.	0.2	0
9	Interaction between alkali metals and diamond: Etching and charge states of NV centers. Carbon, 2021, 182, 585-592.	10.3	4
10	Fabrication of ultra-thin g-C ₃ N ₄ nanoplates for efficient visible-light photocatalytic H ₂ O ₂ production via two-electron oxygen reduction. Chemical Engineering Journal, 2021, 425, 130615.	12.7	88
11	Porous graphitic carbon nitride nanoplates obtained by a combined exfoliation strategy for enhanced visible light photocatalytic activity. Applied Surface Science, 2020, 499, 143901.	6.1	28
12	Characterization of magnetic properties of ultrathin CoFe ₂ O ₄ films by utilizing magnetic proximity effect. Solid State Communications, 2020, 306, 113762.	1.9	2
13	Healing Sulfur Vacancies in Monolayer MoS ₂ by High-Pressure Sulfur and Selenium Annealing: Implication for High-Performance Transistors. ACS Applied Nano Materials, 2020, 3, 10462-10469.	5.0	24
14	Mechanical properties of high-crystalline diamond films grown via laser MPCVD. Diamond and Related Materials, 2020, 109, 108094.	3.9	6
15	NiCo ₂ O ₄ films fabricated by reactive molecular beam epitaxy and annealing in various oxygen atmospheres. Applied Physics Letters, 2020, 116, .	3.3	12
16	Controlling the magnetic proximity effect and anomalous Hall effect in CoFe ₂ O ₄ /Pt by ionic gating. Applied Physics Express, 2020, 13, 063004.	2.4	4
17	Post-annealed graphite carbon nitride nanoplates obtained by sugar-assisted exfoliation with improved visible-light photocatalytic performance. Journal of Colloid and Interface Science, 2020, 567, 369-378.	9.4	14
18	Sugar-assisted mechanochemical exfoliation of graphitic carbon nitride for enhanced visible-light photocatalytic performance. International Journal of Hydrogen Energy, 2020, 45, 8444-8455.	7.1	14

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19	Tunnel magnetoresistance effect in a magnetic tunnel junction with a B2-Fe3Sn electrode. AIP Advances, 2019, 9, .	1.3	7
20	Growth Kinetics and Magnetic Property of Single-Crystal Fe Nanowires Grown via Vapor-Solid Mechanism Using Chemically Synthesized FeO Nanoparticle Catalysts. Crystal Growth and Design, 2019, 19, 7257-7263.	3.0	1
21	Synthesis of Carbon Nanotubes by Plasma-Enhanced Chemical Vapor Deposition Using Fe _{1-x} Mn _x O Nanoparticles as Catalysts: How Does the Catalytic Activity of Graphitization Affect the Yields and Morphology?. Journal of Carbon Research, 2019, 5, 46.	2.7	8
22	Synthesis of carbon-doped boron nitride nanosheets and enhancement of their room-temperature ferromagnetic properties. Journal of Alloys and Compounds, 2019, 792, 1206-1212.	5.5	11
23	Single crystal growth, structural analysis and electronic band structure of a nitrogen-containing polyacene Benzo[<i>i</i>]benzo[6,7- <i>q</i>]quinoxalino[2,3- <i>g</i>]phenanthro[4,5- <i>abc</i>]phenazine. Japanese Journal of Applied Physics, 2019, 58, SBBC08.		3
24	Search for new nitrogen-doped carbon materials by compressing molecular crystals. Japanese Journal of Applied Physics, 2019, 58, SBBC13.	1.5	2
25	Synthesis of Mo _{1-x} Nb _x S ₂ thin films by separate-flow chemical vapor deposition with chloride sources. Thin Solid Films, 2018, 649, 171-176.	1.8	4
26	Semitransparent conductive carbon films synthesized by sintering spin-coated sp ³ -based network polymer. Japanese Journal of Applied Physics, 2018, 57, 030302.	1.5	0
27	Catalytic chemical vapor deposition and structural analysis of MoS ₂ nanotubes. Japanese Journal of Applied Physics, 2018, 57, 030304.	1.5	10
28	Rich interfacial chemistry and properties of carbon-doped hexagonal boron nitride nanosheets revealed by electronic structure calculations. Japanese Journal of Applied Physics, 2018, 57, 04FL11.	1.5	3
29	Synthesis of metastable B2-type Fe-Sn alloy epitaxial films and study of their magnetic properties. Japanese Journal of Applied Physics, 2018, 57, 120302.	1.5	9
30	Morphology and mechanical behavior of diamond films fabricated by IH-MPCVD. RSC Advances, 2018, 8, 16061-16068.	3.6	16
31	A thermocouple-based remote temperature controller of an electrically-floated sample for plasma CVD of nanocarbons with bias voltage. Measurement: Journal of the International Measurement Confederation, 2017, 102, 244-248.	5.0	4
32	Inverse Tunnel Magnetocapacitance in Fe/Al-oxide/Fe ₃ O ₄ . Scientific Reports, 2017, 7, 2682.	3.3	15
33	Switching of the products by changing the size and shape of catalytic nanoparticles during CVD growth of MoS ₂ nanotubes. CrystEngComm, 2017, 19, 3915-3920.	2.6	11
34	Pinpoint-fluorinated polycyclic aromatic hydrocarbons (F-PAHs): Syntheses of difluorinated subfamily and their properties. Journal of Fluorine Chemistry, 2017, 203, 173-184.	1.7	28
35	Prediction of Ternary Liquidus Temperatures by Statistical Modeling of Binary and Ternary Ag-Al-Sn-Zn Systems. ACS Omega, 2017, 2, 5271-5282.	3.5	0
36	Fabrication of Epitaxial Fe ₃ O ₄ Film on a Si(111) Substrate. Scientific Reports, 2017, 7, 7009.	3.3	10

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37	N ₂ plasma etching processes of microscopic single crystals of cubic boron nitride. Japanese Journal of Applied Physics, 2017, 56, 06HF01.	1.5	1
38	Adhesives for Vacuum Sealing and Sample Fixation in Surface Science Experiments. Hyomen Kagaku, 2017, 38, 89-90.	0.0	0
39	The magnetic properties of Fe ₃ O ₄ /nonmagnetic metal/Fe hybrid systems. Applied Physics Letters, 2017, 110, 212402.	3.3	2
40	Carbon-Doped Hexagonal Boron Nitride: Analysis as π -Conjugate Molecules Embedded in Two Dimensional Insulator. Journal of Carbon Research, 2016, 2, 2.	2.7	9
41	Accurate and stable equal-pressure measurements of water vapor transmission rate reaching the 10^{-6} g m^{-2} day $^{-1}$ range. Scientific Reports, 2016, 6, 35408.	3.3	15
42	Chemical Vapor Deposition of MoS ₂ : Insight Into the Growth Mechanism by Separated Gas Flow Experiments. Journal of Nanoscience and Nanotechnology, 2016, 16, 3223-3227.	0.9	7
43	Formation of bismuth-core-carbon-shell nanoparticles by bismuth immersion during plasma CVD synthesis of thin diamond films. Diamond and Related Materials, 2016, 69, 127-132.	3.9	4
44	Chemical Vapor Deposition of NbS ₂ from a Chloride Source with H ₂ Flow: Orientation Control of Ultrathin Crystals Directly Grown on SiO ₂ /Si Substrate and Charge Density Wave Transition. Crystal Growth and Design, 2016, 16, 4467-4472.	3.0	27
45	Investigation of epitaxial growth and tunnel magnetoresistance effects in magnetic tunnel junctions including spinel ferrite layers. Japanese Journal of Applied Physics, 2015, 54, 118003.	1.5	27
46	Colorful Carbon Nanopopcorns Formed by Codepositing C ₆₀ with Diamond-like Carbon Followed by Reaction with Water Vapor. Chemistry Letters, 2015, 44, 1205-1207.	1.3	4
47	P-126: Stable Measurement of 10-6gm-2day-1Water Vapor Transmission Rate in Barrier Materials by Intermittent Accumulation and Release by a Cold Trap. Digest of Technical Papers SID International Symposium, 2015, 46, 1639-1642.	0.3	1
48	Localized Guided-Mode and Cavity-Mode Double Resonance in Photonic Crystal Nanocavities. Physical Review Applied, 2015, 3, .	3.8	14
49	Multilayered MoS ₂ nanoflakes bound to carbon nanotubes as electron acceptors in bulk heterojunction inverted organic solar cells. Organic Electronics, 2015, 17, 275-280.	2.6	21
50	Gate-controlled generation of optical pulse trains using individual carbon nanotubes. Nature Communications, 2015, 6, 6335.	12.8	19
51	Fabrication of Fe nanowires on yttrium-stabilized zirconia single crystal substrates by thermal CVD methods. Journal of Applied Physics, 2015, 117, 17D506.	2.5	14
52	Spontaneous Mixing of Molecules at the Organic Semiconductor pn Junction Fabricated by Sequential Deposition. IEEJ Transactions on Electronics, Information and Systems, 2015, 135, 160-163.	0.2	0
53	Electrostatic Model of a Solid State Capacitor with Ionizable Charge Traps for Flexible Device Applications. IEEJ Transactions on Electronics, Information and Systems, 2015, 135, 164-167.	0.2	0
54	Ultralow mode-volume photonic crystal nanobeam cavities for high-efficiency coupling to individual carbon nanotube emitters. Nature Communications, 2014, 5, 5580.	12.8	103

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55	Magnetic properties of epitaxial Fe ₃ O ₄ films with various crystal orientations and tunnel magnetoresistance effect at room temperature. Applied Physics Letters, 2014, 105, .	3.3	40
56	Diamond-like carbon doped with highly π -conjugated molecules by plasma-assisted CVD. Japanese Journal of Applied Physics, 2014, 53, 010203.	1.5	4
57	Electrostatic model of solid-state capacitor with ionizable charge traps. Japanese Journal of Applied Physics, 2014, 53, 088004.	1.5	1
58	Formation of graphite zigzag edges by cathodic electrochemical etching in acidic solution. Carbon, 2014, 67, 300-303.	10.3	7
59	Fe whisker growth revisited: effect of Au catalysis for [021 $\bar{1}$,,] oriented nanowires with 100 nm diameter. RSC Advances, 2014, 4, 27620-27624.	3.6	4
60	Spontaneous Exciton Dissociation in Carbon Nanotubes. Physical Review Letters, 2014, 112, 117401.	7.8	48
61	Versatile Simple Doping Technique for Diamond by Solid Dopant Source Immersion during Microwave Plasma CVD. Chemistry Letters, 2014, 43, 1569-1571.	1.3	3
62	X-ray absorption and magnetic circular dichroism characterization of Fe-doped thin films. Journal of Magnetism and Magnetic Materials, 2013, 333, 130-133.	2.3	10
63	Estimation of Gas Permeation Characteristics of Ultrahigh Barrier Edge Sealing Materials from Asymptotic Solution of Diffusion Equation. Japanese Journal of Applied Physics, 2013, 52, 05DA12.	1.5	2
64	Optical control of individual carbon nanotube light emitters by spectral double resonance in silicon microdisk resonators. Applied Physics Letters, 2013, 102, 161102.	3.3	36
65	Cobalt epitaxial nanoparticles on CaF ₂ /Si(111): Growth process, morphology, crystal structure, and magnetic properties. Physical Review B, 2013, 87, .	3.2	11
66	In-Plane Orientation Control of 2,7-Diphenyl[1]benzothieno[3,2- <i>b</i>][1]benzothiophene Monolayer on Bismuth-Terminated Si(111) Vicinal Surfaces with Wettability Optimization. Journal of Physical Chemistry C, 2013, 117, 11555-11561.	3.1	2
67	Influence of molecular structure on plasma carbonization of organic semiconductor molecules. Journal of Physics: Conference Series, 2013, 441, 012041.	0.4	0
68	Fabrication and Physical Properties of Organic Tricolor Superlattice. Electronics and Communications in Japan, 2013, 96, 32-36.	0.5	0
69	Fabrication and characterization of photo-responsive organic p-type/n-type/piezoelectric tricolor superlattices. Applied Physics Letters, 2013, 103, 133305.	3.3	2
70	Orientation Control and Angle-resolved Photoemission Studies of Organic Epitaxial Thin Films on Bismuth-terminated Silicon Surfaces. Journal of the Vacuum Society of Japan, 2013, 56, 1-10.	0.3	0
71	Fabrication of Piezoelectric Polyurea Films by Alternating Deposition. Japanese Journal of Applied Physics, 2012, 51, 041603.	1.5	6
72	Enhancement of carbon nanotube photoluminescence by photonic crystal nanocavities. Applied Physics Letters, 2012, 101, 141124.	3.3	53

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73	Solvent Effects on the Transient Characteristics of Liquid-Gate Field Effect Transistors with Silicon Substrate. Japanese Journal of Applied Physics, 2012, 51, 111803.	1.5	0
74	Fabrication of ZnO Nanorods by Atmospheric-Pressure Solid-Source CVD Using Ethanol-Assisted Low-Temperature Vaporization. Bulletin of the Chemical Society of Japan, 2012, 85, 1287-1292.	3.2	1
75	Change in the Morphology of the Terrace Edges on Graphite Surfaces by Electrochemical Reduction. Chemistry Letters, 2012, 41, 187-188.	1.3	2
76	Transparent conductivity of fluorine-doped anatase TiO ₂ epitaxial thin films. Journal of Applied Physics, 2012, 111, 093528.	2.5	25
77	Oxygen-17 nuclear magnetic resonance measurements on apatite-type lanthanum silicate (La ₉ Si ₃ (SiO ₄) ₆ O ₂). Solid State Ionics, 2012, 228, 64-69.	2.7	12
78	Solvent Effects on the Transient Characteristics of Liquid-Gate Field Effect Transistors with Silicon Substrate. Japanese Journal of Applied Physics, 2012, 51, 111803.	1.5	2
79	Enhanced Carrier Transport in Uniaxially (001)-Oriented Anatase Ti _{0.94} Nb _{0.06} O ₂ Films Grown on Nanosheet Seed Layers. Applied Physics Express, 2011, 4, 045801.	2.4	21
80	Fabrication of transparent conductive W-doped SnO ₂ thin films on glass substrates using anatase TiO ₂ seed layers. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 543-545.	0.8	25
81	Gate-induced blueshift and quenching of photoluminescence in suspended single-walled carbon nanotubes. Physical Review B, 2011, 84, .	3.2	36
82	Strong Pressure Effect in the Sublimation from Tetracene Single Crystals and Development of Surface Cleaning Technique for Organic Semiconductors. Applied Physics Express, 2011, 4, 021601.	2.4	3
83	Computational Analysis of Thermal Energetic Disorder in a Pentacene Crystal: Temperature Dependence of Trap Levels and Possible Novel Thermoelectric Contribution. Applied Physics Express, 2011, 4, 061601.	2.4	3
84	High magnetic field effect in organic light emitting diodes. Organic Electronics, 2010, 11, 1212-1216.	2.6	7
85	Transparent conducting Nb-doped anatase TiO ₂ (TNO) thin films sputtered from various oxide targets. Thin Solid Films, 2010, 518, 3101-3104.	1.8	51
86	Fabrication of highly conductive Ta-doped SnO ₂ polycrystalline films on glass using seed-layer technique by pulse laser deposition. Thin Solid Films, 2010, 518, 3093-3096.	1.8	34
87	Transport properties and electronic states of anatase Ti _{1-x} W _x O ₂ epitaxial thin films. Journal of Applied Physics, 2010, 107, 023705.	2.5	24
88	Electric Double Layer Gate Field-Effect Transistors Based on Si. Japanese Journal of Applied Physics, 2010, 49, 04DK06.	1.5	8
89	Magnetic and Transport Properties of Anatase TiO ₂ Codoped with Fe and Nb. Applied Physics Express, 2010, 3, 043001.	2.4	8
90	Carrier Compensation by Excess Oxygen Atoms in Anatase Ti _{0.94} Nb _{0.06} O _{2+δ} Epitaxial Thin Films. Japanese Journal of Applied Physics, 2010, 49, 041102.	1.5	18

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91	Very high temperature annealing effect on amorphous carbon films grown on refractory oxide substrates by pulsed laser deposition. <i>Diamond and Related Materials</i> , 2010, 19, 107-109.	3.9	2
92	High Mobility Exceeding 80 cm ² V ⁻¹ s ⁻¹ in Polycrystalline Ta-Doped SnO ₂ Thin Films on Glass Using Anatase TiO ₂ Seed Layers. <i>Applied Physics Express</i> , 2010, 3, 031102.	2.4	44
93	Highly Sensitive and Rapid Measurement of Gas Barrier Properties of Flexible Films and Sealing Resins Based on a Low Temperature Trap and Mass Spectroscopy. <i>Applied Physics Express</i> , 2010, 3, 021701.	2.4	9
94	Large electron mass anisotropy in a d ⁻ -electron-based transparent conducting oxide: Nb-doped anatase TiO ₂ films. <i>Physical Review B</i> , 2009, 79, .	3.2	63
95	Band dispersion of quasi-single crystal thin film phase pentacene monolayer studied by angle-resolved photoelectron spectroscopy. <i>Applied Physics Letters</i> , 2009, 95, 123308.	3.3	51
96	Direct Observation of Gas Phase Nucleation during Physical Vapor Transport Growth of Organic Single Crystals Using a Transparent Furnace. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 118003.	1.5	1
97	Direct growth of transparent conducting Nb-doped anatase TiO ₂ polycrystalline films on glass. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	70
98	Fabrication of TiO ₂ -based transparent conducting oxide on glass and polyimide substrates. <i>Thin Solid Films</i> , 2009, 517, 3106-3109.	1.8	37
99	Very high temperature chemical vapor deposition of new carbon thin films using organic semiconductor molecular beam sources. <i>Thin Solid Films</i> , 2009, 518, 778-780.	1.8	4
100	X-ray absorption spectroscopy and magnetic circular dichroism in codeposited C ₆₀ /Co films with giant tunnel magnetoresistance. <i>Chemical Physics Letters</i> , 2009, 470, 244-248.	2.6	19
101	Fabrication of EuTiO ₃ Epitaxial Thin Films by Pulsed Laser Deposition. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 100208.	1.5	11
102	Random Telegraphic Conductance Fluctuation at Au [*] /Pentacene [*] /Au Nanojunctions. <i>Nano Letters</i> , 2009, 9, 1442-1446.	9.1	11
103	Multiple-scattering approach to Ti L _{2,3} -edge XMCD analyses for Co doped TiO ₂ . <i>Journal of Physics: Conference Series</i> , 2009, 190, 012018.	0.4	2
104	Detailed Investigation on the Possibility of Nanoparticles of Various Metal Elements for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Analytical Sciences</i> , 2009, 25, 339-346.	1.6	97
105	In-Situ TEM Observations of the Crystallization Process of Solution-Prepared MoS ₂ Amorphous Particles. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6736-6740.	0.9	4
106	Epitaxial Growth and Photoelectron Spectroscopy of Pentacene. <i>Hyomen Kagaku</i> , 2009, 30, 7-10.	0.0	2
107	Structural, electrical and optical properties of sputter-deposited Nb-doped TiO ₂ (TNO) polycrystalline films. <i>Thin Solid Films</i> , 2008, 516, 5754-5757.	1.8	70
108	Ferromagnetic rutile Co _x Ti _{1-x} O ₂ heteroepitaxy on wurtzite GaN and ZnO. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008, 5, 3104-3106.	0.8	1

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109	Nucleation on the substrate surfaces during liquid flux-mediated vacuum deposition of rubrene. <i>Journal of Crystal Growth</i> , 2008, 311, 163-166.	1.5	7
110	Femtosecond depolarization dynamics of tris(8-hydroxyquinoline) aluminum films. <i>Chemical Physics Letters</i> , 2008, 450, 335-339.	2.6	6
111	Transparent conducting properties of anatase Ti _{0.94} Nb _{0.06} O ₂ polycrystalline films on glass substrate. <i>Thin Solid Films</i> , 2008, 516, 5750-5753.	1.8	37
112	Graphoepitaxy of sexithiophene and orientation control by surface treatment. <i>Journal of Applied Physics</i> , 2008, 103, 084313.	2.5	28
113	Electronic Band Structure of Transparent Conductor: Nb-Doped Anatase TiO ₂ . <i>Applied Physics Express</i> , 2008, 1, 111203.	2.4	134
114	Carrier Compensation Mechanism of Highly Conductive Anatase Ti _{0.94} Nb _{0.06} O ₂ Epitaxial Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1074, 1.	0.1	1
115	Artificial Grain Alignment of Organic Crystalline Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1150, 1.	0.1	0
116	Magnetotransport Properties of Fe/Pentacene/Co:TiO ₂ Junctions with Fe Top Contact Electrodes Prepared by Thermal Evaporation and Pulsed Laser Deposition. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1184-1187.	1.5	17
117	Low-temperature Fabrication of Transparent Conducting Anatase Nb-doped TiO ₂ Films by Sputtering. <i>Applied Physics Express</i> , 2008, 1, 115001.	2.4	69
118	Epitaxial Strain Effects in Ultrathin Films of Squaric Acid Studied by Temperature-Dependent Electron Reflectivity. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1422-1425.	1.5	2
119	Step-bunched Bi-terminated Si(111) surfaces as a nanoscale orientation template for quasisingle crystalline epitaxial growth of thin film phase pentacene. <i>Applied Physics Letters</i> , 2008, 93, 223303.	3.3	15
120	Structural study of TiO ₂ -based transparent conducting films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2008, 26, 1027-1029.	2.1	10
121	Heteroepitaxial growth of ferromagnetic rutile Co _x Ti _{1-x} O ₂ on GaN (0001). <i>Applied Physics Letters</i> , 2008, 92, 042503.	3.3	1
122	Anatase phase stability and doping concentration dependent refractivity in codoped transparent conducting TiO ₂ films. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 5961-5964.	2.8	19
123	Fabrication of TiO ₂ -Based Transparent Conducting Oxide Films on Glass by Pulsed Laser Deposition. <i>Japanese Journal of Applied Physics</i> , 2007, 46, L86-L88.	1.5	68
124	Correlation between Gap States and Off-current in Pentacene Field-effect Transistors Observed by Sub-band-gap Photocurrent Voltage Measurement. <i>Japanese Journal of Applied Physics</i> , 2007, 46, L817-L819.	1.5	0
125	Transport properties of d-electron-based transparent conducting oxide: Anatase Ti _{1-x} Nb _x O ₂ . <i>Journal of Applied Physics</i> , 2007, 101, 093705.	2.5	115
126	Analysis of charge transport in a polycrystalline pentacene thin film transistor by temperature and gate bias dependent mobility and conductance. <i>Journal of Applied Physics</i> , 2007, 102, .	2.5	64

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127	Visualization of induced charge in an organic thin-film transistor by cross-sectional potential mapping. <i>Journal of Applied Physics</i> , 2007, 101, 094509.	2.5	26
128	Metal-induced Urbach tail at the gold-pentacene interface of top-contact organic field effect transistors. <i>Journal of Applied Physics</i> , 2007, 102, 064510.	2.5	3
129	Fabrication of Low Resistivity Nb-doped TiO ₂ Transparent Conductive Polycrystalline Films on Glass by Reactive Sputtering. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 5275.	1.5	86
130	Oriented Film Growth of Organic Semiconductor Sexithiophene on Artificial Periodic Grooves and Electrical Conduction Properties of the Films. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1059, 1.	0.1	1
131	Fabrication of highly conductive Ti _{1-x} Nb _x O ₂ polycrystalline films on glass substrates via crystallization of amorphous phase grown by pulsed laser deposition. <i>Applied Physics Letters</i> , 2007, 90, 212106.	3.3	146
132	Wetting-Dewetting Oscillations of Liquid Films during Solution-Mediated Vacuum Deposition of Rubrene. <i>Langmuir</i> , 2007, 23, 6864-6868.	3.5	22
133	Quantitative analysis of thin-film conductivity by scanning microwave microscope. <i>Applied Surface Science</i> , 2007, 254, 757-759.	6.1	5
134	Electron energy loss spectroscopy of ultrathin pentacene field effect transistors. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2007, 154, 119-122.	1.7	3
135	Carrier induced ferromagnetism in Nb doped Co:TiO ₂ and Fe:TiO ₂ epitaxial thin film. <i>Journal of Applied Physics</i> , 2006, 99, 08M121.	2.5	26
136	Magnetic Properties of Rutile Ti _{1-x} Fe _x O ₂ Epitaxial Thin Films. <i>Japanese Journal of Applied Physics</i> , 2006, 45, L114-L116.	1.5	13
137	Electron Spectroscopy of Dye-Sensitized Anatase(001) Surfaces Under Illumination. <i>Molecular Crystals and Liquid Crystals</i> , 2006, 455, 317-325.	0.9	3
138	Scanning Tunneling Microscopy/Spectroscopy of Heavily Overdoped Bi ₂ Sr ₂ CuO _y Single Crystals. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	1
139	Development of UHV-LT MFM Operating in Magnetic Field. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	0
140	Correlation between Vortex Distribution and Electronic Inhomogeneity in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} as Probed by STM/STS. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	0
141	Development of high-throughput combinatorial terahertz time-domain spectrometer and its application to ternary composition-spread film. <i>Applied Surface Science</i> , 2006, 252, 2622-2627.	6.1	6
142	Post-processing of spin-coated organic thin films in solvent vapors: Vapor pressure monitoring by infrared absorption and the effect of electric fields. <i>Thin Solid Films</i> , 2006, 515, 1568-1572.	1.8	7
143	Interaction between surface migrating pentacene molecules and chemically modified surfaces of silicon oxides studied by pulsed molecular beam scattering. <i>Surface Science</i> , 2006, 600, 236-239.	1.9	7
144	Novel transparent conducting oxide: Anatase Ti _{1-x} Nb _x O ₂ . <i>Thin Solid Films</i> , 2006, 496, 157-159.	1.8	90

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145	Orientation Control of Standing Epitaxial Pentacene Monolayers Using Surface Steps and In-plane Band Dispersion Analysis by Angle Resolved Photoelectron Spectroscopy. Materials Research Society Symposia Proceedings, 2006, 965, 1.	0.1	3
146	Enhancement of Magneto-Optical Properties of Anatase Co:TiO ₂ Co-Doped with Nb. Japanese Journal of Applied Physics, 2006, 45, L387-L389.	1.5	6
147	Pulsed molecular beam scattering of a planar-shaped organic molecule on regularly stepped surfaces of hydrogen-terminated Si(111). Applied Physics Letters, 2006, 89, 141912.	3.3	5
148	Thickness Dependent Characteristics of a Copper Phthalocyanine Thin-Film Transistor Investigated by in situ FET Measurement System. Molecular Crystals and Liquid Crystals, 2006, 455, 347-351.	0.9	9
149	Intrinsic Faraday spectra of ferromagnetic rutile Ti _{1-x} Co _x O ₂ . Applied Physics Letters, 2006, 88, 252508.	3.3	19
150	Graphoepitaxy of sexithiophene on thermally oxidized silicon surface with artificial periodic grooves. Applied Physics Letters, 2006, 88, 251905.	3.3	29
151	FERROMAGNETISM IN ANATASE TiO ₂ CODOPED WITH Co AND Nb. , 2006, , .		0
152	Electron spectroscopy of organic thin-film FETs. Electrical Engineering in Japan (English Translation) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.4	0
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