Toshihiro Shimada

List of Publications by Year
in descending order

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209 papers	4,786 citations	109321 35 h-index	110387 64 g-index
210 all docs	210 docs citations	210 times ranked	5109 citing authors

#	Article	IF	Citations
1	A transparent metal: Nb-doped anatase TiO2. Applied Physics Letters, 2005, 86, 252101.	3.3	741
2	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
3	Ta-doped Anatase TiO2Epitaxial Film as Transparent Conducting Oxide. Japanese Journal of Applied Physics, 2005, 44, L1063-L1065.	1.5	144
4	Electronic Band Structure of Transparent Conductor: Nb-Doped Anatase TiO2. Applied Physics Express, 2008, 1, 111203.	2.4	134
5	Transport properties of d-electron-based transparent conducting oxide: Anatase Ti1â^'xNbxO2. Journal of Applied Physics, 2007, 101, 093705.	2.5	115
6	Heteroepitaxial growth of layered transition metal dichalcogenides on sulfurâ€terminated GaAs{111} surfaces. Applied Physics Letters, 1990, 56, 327-329.	3.3	113
7	Epitaxial growth of transition metal dichalcogenides on cleaved faces of mica. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 68-72.	2.1	108
8	Accumulation and Depletion Layer Thicknesses in Organic Field Effect Transistors. Japanese Journal of Applied Physics, 2003, 42, L1408-L1410.	1.5	105
9	Ultralow mode-volume photonic crystal nanobeam cavities for high-efficiency coupling to individual carbon nanotube emitters. Nature Communications, 2014, 5, 5580.	12.8	103
10	Detailed Investigation on the Possibility of Nanoparticles of Various Metal Elements for Surface-Assisted Laser Desorption/Ionization Mass Spectrometry. Analytical Sciences, 2009, 25, 339-346.	1.6	97
11	Work Function and Photothreshold of Layered Metal Dichalcogenides. Japanese Journal of Applied Physics, 1994, 33, 2696-2698.	1.5	93
12	Novel transparent conducting oxide: Anatase Ti1â^'xNbxO2. Thin Solid Films, 2006, 496, 157-159.	1.8	90
13	Fabrication of ultra-thin g-C3N4 nanoplates for efficient visible-light photocatalytic H2O2 production via two-electron oxygen reduction. Chemical Engineering Journal, 2021, 425, 130615.	12.7	88
14	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
15	Application of Van der Waals epitaxy to highly heterogeneous systems. Journal of Crystal Growth, 1989, 95, 603-606.	1.5	80
16	Electric-field-induced charge injection or exhaustion in organic thin film transistor. Physical Review B, 2005, 71, .	3.2	80
17	Structural, electrical and optical properties of sputter-deposited Nb-doped TiO2 (TNO) polycrystalline films. Thin Solid Films, 2008, 516, 5754-5757.	1.8	70
18	Direct growth of transparent conducting Nb-doped anatase TiO2 polycrystalline films on glass. Journal of Applied Physics, 2009, 105, .	2.5	70

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19	Low-temperature Fabrication of Transparent Conducting Anatase Nb-doped TiO2Films by Sputtering. Applied Physics Express, 2008, 1, 115001.	2.4	69
20	Fabrication of TiO2-Based Transparent Conducting Oxide Films on Glass by Pulsed Laser Deposition. Japanese Journal of Applied Physics, 2007, 46, L86-L88.	1.5	68
21	Growth of MoSe2 thin films with Van der Waals epitaxy. Journal of Crystal Growth, 1991, 111, 1033-1037.	1.5	64
22	Analysis of charge transport in a polycrystalline pentacene thin film transistor by temperature and gate bias dependent mobility and conductance. Journal of Applied Physics, 2007, 102, .	2.5	64
23	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
24	Electronic structures at the interfaces between copper phthalocyanine and layered materials. Applied Physics Letters, 1998, 72, 1869-1871.	3.3	53
25	Enhancement of carbon nanotube photoluminescence by photonic crystal nanocavities. Applied Physics Letters, 2012, 101, 141124.	3.3	53
26	Band dispersion of quasi-single crystal thin film phase pentacene monolayer studied by angle-resolved photoelectron spectroscopy. Applied Physics Letters, 2009, 95, 123308.	3.3	51
27	Transparent conducting Nb-doped anatase TiO2 (TNO) thin films sputtered from various oxide targets. Thin Solid Films, 2010, 518, 3101-3104.	1.8	51
28	Preparation and magnetic properties of manganese(II) phthalocyanine thin films. Journal of Chemical Physics, 1998, 108, 10256-10261.	3.0	50
29	Thermal decomposition of SnS2 and SnSe2: Novel molecularâ€beam epitaxy sources for sulfur and selenium. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1992, 10, 539-542.	2.1	49
30	Spontaneous Exciton Dissociation in Carbon Nanotubes. Physical Review Letters, 2014, 112, 117401.	7.8	48
31	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
32	Magnetic properties of epitaxial Fe3O4 films with various crystal orientations and tunnel magnetoresistance effect at room temperature. Applied Physics Letters, 2014, 105, .	3.3	40
33	Transparent conducting properties of anatase Ti0.94Nb0.06O2 polycrystalline films on glass substrate. Thin Solid Films, 2008, 516, 5750-5753.	1.8	37
34	Fabrication of TiO2-based transparent conducting oxide on glass and polyimide substrates. Thin Solid Films, 2009, 517, 3106-3109.	1.8	37
35	Gate-induced blueshift and quenching of photoluminescence in suspended single-walled carbon nanotubes. Physical Review B, 2011, 84, .	3.2	36
36	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

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37	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
38	Epitaxial growth of metal phthalocyanines on hydrogen terminated vicinal surfaces of Si(111). Applied Physics Letters, 1996, 68, 2502-2504.	3.3	31
39	Graphoepitaxy of sexithiophene on thermally oxidized silicon surface with artificial periodic grooves. Applied Physics Letters, 2006, 88, 251905.	3.3	29
40	Graphoepitaxy of sexithiophene and orientation control by surface treatment. Journal of Applied Physics, 2008, 103, 084313.	2.5	28
41	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
42	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
43	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
44	Chemical Vapor Deposition of NbS₂ from a Chloride Source with H₂ Flow: Orientation Control of Ultrathin Crystals Directly Grown on SiO₂/Si Substrate and Charge Density Wave Transition. Crystal Growth and Design, 2016, 16, 4467-4472.	3.0	27
45	Carrier induced ferromagnetism in Nb doped Co:TiO2 and Fe:TiO2 epitaxial thin film. Journal of Applied Physics, 2006, 99, 08M121.	2.5	26
46	Visualization of induced charge in an organic thin-film transistor by cross-sectional potential mapping. Journal of Applied Physics, 2007, 101, 094509.	2.5	26
47	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
48	Transparent conductivity of fluorine-doped anatase TiO2 epitaxial thin films. Journal of Applied Physics, 2012, 111, 093528.	2.5	25
49	Transport properties and electronic states of anatase Ti1â^'xWxO2 epitaxial thin films. Journal of Applied Physics, 2010, 107, 023705.	2.5	24
50	Healing Sulfur Vacancies in Monolayer MoS₂ by High-Pressure Sulfur and Selenium Annealing: Implication for High-Performance Transistors. ACS Applied Nano Materials, 2020, 3, 10462-10469.	5.0	24
51	Bulk-like pentacene epitaxial films on hydrogen-terminated Si(111). Applied Physics Letters, 2005, 87, 061917.	3.3	23
52	Wettingâ^'Dewetting Oscillations of Liquid Films during Solution-Mediated Vacuum Deposition of Rubrene. Langmuir, 2007, 23, 6864-6868.	3.5	22
53	Polytypes and charge density waves of ultrathin TaS2 films grown by van der Waals epitaxy. Surface Science, 1993, 291, 57-66.	1.9	21
54	Ultraviolet photoelectron spectroscopy of a methyl-terminated Si surface. Surface Science, 2003, 526, 177-183.	1.9	21

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55	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
56	Multilayered MoS2 nanoflakes bound to carbon nanotubes as electron acceptors in bulk heterojunction inverted organic solar cells. Organic Electronics, 2015, 17, 275-280.	2.6	21
57	Heteroepitaxial Growth of Rutile TiO2on GaN(0001) by Pulsed Laser Deposition. Japanese Journal of Applied Physics, 2005, 44, L1503-L1505.	1.5	20
58	Intrinsic Faraday spectra of ferromagnetic rutile Ti1â^'xCoxO2â^'Î´. Applied Physics Letters, 2006, 88, 252508.	3.3	19
59	Anatase phase stability and doping concentration dependent refractivity in codoped transparent conducting TiO₂films. Journal Physics D: Applied Physics, 2007, 40, 5961-5964.	2.8	19
60	X-ray absorption spectroscopy and magnetic circular dichroism in codeposited C60â€“Co films with giant tunnel magnetoresistance. Chemical Physics Letters, 2009, 470, 244-248.	2.6	19
61	Gate-controlled generation of optical pulse trains using individual carbon nanotubes. Nature Communications, 2015, 6, 6335.	12.8	19
62	Carrier Compensation by Excess Oxygen Atoms in Anatase Ti_{0.94}Nb_{0.06}O_{2+Î´} Epitaxial Thin Films. Japanese Journal of Applied Physics, 2010, 49, 041102.	1.5	18
63	Magnetotransport Properties of Fe/Pentacene/Co:TiO2Junctions with Fe Top Contact Electrodes Prepared by Thermal Evaporation and Pulsed Laser Deposition. Japanese Journal of Applied Physics, 2008, 47, 1184-1187.	1.5	17
64	Surface migration dynamics of a planar organic molecule studied by pulsed molecular beam scattering. Surface Science, 2000, 470, L52-L56.	1.9	16
65	Morphology and mechanical behavior of diamond films fabricated by IH-MPCVD. RSC Advances, 2018, 8, 16061-16068.	3.6	16
66	Large Inverse Tunnel Magnetoresistance in Magnetic Tunnel Junctions with an Fe3O4 Electrode. Physical Review Applied, 2021, 15, .	3.8	16
67	Step-bunched Bi-terminated Si(111) surfaces as a nanoscale orientation template for quasisingle crystalline epitaxial growth of thin film phase pentacene. Applied Physics Letters, 2008, 93, 223303.	3.3	15
68	Accurate and stable equal-pressure measurements of water vapor transmission rate reaching the 10â^'6â€‰g mâ^'2 dayâ^'1 range. Scientific Reports, 2016, 6, 35408.	3.3	15
69	Inverse Tunnel Magnetocapacitance in Fe/Al-oxide/Fe3O4. Scientific Reports, 2017, 7, 2682.	3.3	15
70	Localized Guided-Mode and Cavity-Mode Double Resonance in Photonic Crystal Nanocavities. Physical Review Applied, 2015, 3, .	3.8	14
71	Fabrication of Fe nanowires on yittrium-stabilized zirconia single crystal substrates by thermal CVD methods. Journal of Applied Physics, 2015, 117, 17D506.	2.5	14
72	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

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73	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
74	Polytypes and crystallinity of ultrathin epitaxial films of layered materials studied with grazing incidence X-ray diffraction. Surface Science, 1996, 369, 379-384.	1.9	13
75	Electron Spectroscopy of C60Thin Film FET Structures. Japanese Journal of Applied Physics, 2002, 41, 2724-2726.	1.5	13
76	Magnetic Properties of Rutile Ti1-xFexO2Epitaxial Thin Films. Japanese Journal of Applied Physics, 2006, 45, L114-L116.	1.5	13
77	Molecular Beam Epitaxy of SnSe2: Chemistry and Electronic Properties of Interfaces. Japanese Journal of Applied Physics, 1993, 32, 1182-1185.	1.5	12
78	Ordered Growth and Crystal Structure of Alq3 on Alkali Halide Surfaces. Japanese Journal of Applied Physics, 2001, 40, L225-L227.	1.5	12
79	Molecular Orientation and Electronic Structure of Epitaxial Bucky Ferrocene (Fe(C60(CH3)5)C5H5) Thin Films. Journal of Physical Chemistry B, 2004, 108, 9914-9918.	2.6	12
80	Oxygen-17 nuclear magnetic resonance measurements on apatite-type lanthanum silicate (La9.33(SiO4)6O2). Solid State Ionics, 2012, 228, 64-69.	2.7	12
81	NiCo2O4 films fabricated by reactive molecular beam epitaxy and annealing in various oxygen atmospheres. Applied Physics Letters, 2020, 116, .	3.3	12
82	Methyl-terminated Si(111) surface as the ultra thin protection layer to fabricate position-controlled alkyl SAMs by using atomic force microscope anodic oxidation. Surface Science, 2004, 552, 46-52.	1.9	11
83	Fabrication of EuTiO₃Epitaxial Thin Films by Pulsed Laser Deposition. Japanese Journal of Applied Physics, 2009, 48, 100208.	1.5	11
84	Random Telegraphic Conductance Fluctuation at Auâˆ’Pentaceneâˆ’Au Nanojunctions. Nano Letters, 2009, 9, 1442-1446.	9.1	11
85	Cobalt epitaxial nanoparticles on CaF2/Si(111): Growth process, morphology, crystal structure, and magnetic properties. Physical Review B, 2013, 87, .	3.2	11
86	Switching of the products by changing the size and shape of catalytic nanoparticles during CVD growth of MoS2 nanotubes. CrystEngComm, 2017, 19, 3915-3920.	2.6	11
87	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
88	Structure determination of ultrathin NbSe2 films by Grazing incidence x-ray diffraction. Solid State Communications, 1994, 89, 583-586.	1.9	10
89	Patterning of Epitaxial Organic Films by Selective Epitaxial Growth. Japanese Journal of Applied Physics, 1996, 35, L254-L257.	1.5	10
90	Epitaxial growth and electronic structure of a C60 derivative prepared by using a solution spray technique. Journal of Applied Physics, 2001, 90, 209-212.	2.5	10

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91	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
92	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
93	Fabrication of Epitaxial Fe3O4 Film on a Si(111) Substrate. Scientific Reports, 2017, 7, 7009.	3.3	10
94	Catalytic chemical vapor deposition and structural analysis of MoS₂nanotubes. Japanese Journal of Applied Physics, 2018, 57, 030304.	1.5	10
95	Ultrahigh-Pressure Preparation and Catalytic Activity of MOF-Derived Cu Nanoparticles. Nanomaterials, 2021, 11, 1040.	4.1	10
96	Effect of growth temperature and substrate materials on epitaxial growth of coronene. Journal of Applied Physics, 1998, 84, 268-274.	2.5	9
97	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
98	Carbon-Doped Hexagonal Boron Nitride: Analysis as Ï€-Conjugate Molecules Embedded in Two Dimensional Insulator. Journal of Carbon Research, 2016, 2, 2.	2.7	9
99	Synthesis of metastable B2-type Feâ€“Sn alloy epitaxial films and study of their magnetic properties. Japanese Journal of Applied Physics, 2018, 57, 120302.	1.5	9
100	Highly Sensitive and Rapid Measurement of Gas Barrier Properties of Flexible Films and Sealing Resins Based on a Low Temperature Trap and Mass Spectroscopy. Applied Physics Express, 2010, 3, 021701.	2.4	9
101	AQ-coupled few-layered g-C3N4 nanoplates obtained by one-step mechanochemical treatment for efficient visible-light photocatalytic H2O2 production. International Journal of Hydrogen Energy, 2022, 47, 16005-16013.	7.1	9
102	Highly stable passivation of a Si(1 1 1) surface using bilayer-GaSe. Applied Surface Science, 2002, 190, 485-490.	6.1	8
103	Electric Double Layer Gate Field-Effect Transistors Based on Si. Japanese Journal of Applied Physics, 2010, 49, 04DK06.	1.5	8
104	Magnetic and Transport Properties of Anatase TiO₂Codoped with Fe and Nb. Applied Physics Express, 2010, 3, 043001.	2.4	8
105	Synthesis of Carbon Nanotubes by Plasma-Enhanced Chemical Vapor Deposition Using Fe1â^'xMnxO 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
106	Synthesis of Boron Nitride Nanotubes Using Plasma-Assisted CVD Catalyzed by Cu Nanoparticles and Oxygen. Nanomaterials, 2021, 11, 651.	4.1	8
107	Epitaxial growth of TiSe2 thin films on Seâ€terminated GaAs(111)B. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1996, 14, 2893-2896.	2.1	7
108	Accelerated photopolymerization and increased mobility in C60 field-effect transistors studied by ultraviolet photoelectron spectroscopy. Applied Physics Letters, 2004, 84, 2439-2441.	3.3	7

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109	Uniaxial Alignment of Alq3by Laser-Assisted Molecular Beam Epitaxy. Japanese Journal of Applied Physics, 2005, 44, L1469-L1471.	1.5	7
110	Post-processing of spin-coated organic thin films in solvent vapors: Vapor pressure monitoring by infrared absorption and the effect of electric fields. Thin Solid Films, 2006, 515, 1568-1572.	1.8	7
111	Interaction between surface migrating pentacene molecules and chemically modified surfaces of silicon oxides studied by pulsed molecular beam scattering. Surface Science, 2006, 600, 236-239.	1.9	7
112	Nucleation on the substrate surfaces during liquid flux-mediated vacuum deposition of rubrene. Journal of Crystal Growth, 2008, 311, 163-166.	1.5	7
113	High magnetic field effect in organic light emitting diodes. Organic Electronics, 2010, 11, 1212-1216.	2.6	7
114	Formation of graphite zigzag edges by cathodic electrochemical etching in acidic solution. Carbon, 2014, 67, 300-303.	10.3	7
115	Chemical Vapor Deposition of MoS₂: Insight Into the Growth Mechanism by Separated Gas Flow Experiments. Journal of Nanoscience and Nanotechnology, 2016, 16, 3223-3227.	0.9	7
116	Tunnel magnetoresistance effect in a magnetic tunnel junction with a B2-Fe3Sn electrode. AIP Advances, 2019, 9, .	1.3	7
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127	Selective epitaxial growth of organic molecules on patterned alkali halide substrates. Applied Physics Letters, 1999, 74, 941-943.	3.3	5
128	Control of initial growth processes of epitaxial films using pulsed molecular beams. Physical Review B, 2001, 63, .	3.2	5
129	Electron spectroscopy of chemically synthesized ZnS clusters. Solid State Communications, 2003, 125, 581-585.	1.9	5
130	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
131	Quantitative analysis of thin-film conductivity by scanning microwave microscope. Applied Surface Science, 2007, 254, 757-759.	6.1	5
132	RHEED Intensity Oscillation during Epitaxial Growth of Layered Materials. Japanese Journal of Applied Physics, 1990, 29, L2096-L2098.	1.5	4
133	Very high temperature chemical vapor deposition of new carbon thin films using organic semiconductor molecular beam sources. Thin Solid Films, 2009, 518, 778-780.	1.8	4
134	<I>In-Situ</I> TEM Observations of the Crystallization Process of Solution-Prepared MoS₂ Amorphous Particles. Journal of Nanoscience and Nanotechnology, 2009, 9, 6736-6740.	0.9	4
135	Diamond-like carbon doped with highly Ï€-conjugated molecules by plasma-assisted CVD. Japanese Journal of Applied Physics, 2014, 53, 010203.	1.5	4
136	Fe whisker growth revisited: effect of Au catalysis for [021Ì„] oriented nanowires with 100 nm diameter. RSC Advances, 2014, 4, 27620-27624.	3.6	4
137	Colorful Carbon Nanopopcorns Formed by Codepositing C60 with Diamond-like Carbon Followed by Reaction with Water Vapor. Chemistry Letters, 2015, 44, 1205-1207.	1.3	4
138	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
139	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
140	Synthesis of Mo1â^'xNbxS2 thin films by separate-flow chemical vapor deposition with chloride sources. Thin Solid Films, 2018, 649, 171-176.	1.8	4
141	Controlling the magnetic proximity effect and anomalous Hall effect in CoFe₂O₄/Pt by ionic gating. Applied Physics Express, 2020, 13, 063004.	2.4	4
142	Interaction between alkali metals and diamond: Etching and charge states of NV centers. Carbon, 2021, 182, 585-592.	10.3	4
143	Monolayer films of liquid crystal 12CB grown by molecular beam deposition on cleaved surfaces of alkali halides. Surface Science, 1999, 423, L285-L290.	1.9	3
144	Electron Spectroscopy of Dye-Sensitized Anatase(001) Surfaces Under Illumination. Molecular Crystals and Liquid Crystals, 2006, 455, 317-325.	0.9	3

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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	Metal-induced Urbach tail at the goldâ^•pentacene interface of top-contact organic field effect transistors. Journal of Applied Physics, 2007, 102, 064510.	2.5	3
147	Electron energy loss spectroscopy of ultrathin pentacene field effect transistors. Journal of Electron Spectroscopy and Related Phenomena, 2007, 154, 119-122.	1.7	3
148	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
149	Versatile Simple Doping Technique for Diamond by Solid Dopant Source Immersion during Microwave Plasma CVD. Chemistry Letters, 2014, 43, 1569-1571.	1.3	3
150	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
151	Single crystal growth, structural analysis and electronic band structure of a nitrogen-containing polyacene Benzo[i]benzo[6â€²,7â€²]quinoxalino[2â€²,3â€²:9,10]phenanthro[4,5-abc]phenazine. Japanese Journal of Applied Physics, 2019, 58, SBBG08.	1.5	3
152	DFT calculation of square MoS2 nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 130, 114693.	2.7	3
153	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
154	Epitaxial growth of squaric acid. Chemical Physics Letters, 1998, 291, 419-424.	2.6	2
155	Nucleation control in organic selective epitaxy by pulsed molecular beam technique. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 7, 887-890.	2.7	2
156	Morphological change ofC60monolayer epitaxial films under photoexcitation. Physical Review B, 2004, 70, .	3.2	2
157	Band Structure and Molecular Orientation of Ultrathin Epitaxial Films of Squaric Acid. Journal of Physical Chemistry B, 2004, 108, 5329-5332.	2.6	2
158	Epitaxial Strain Effects in Ultrathin Films of Squaric Acid Studied by Temperature-Dependent Electron Reflectivity. Japanese Journal of Applied Physics, 2008, 47, 1422-1425.	1.5	2
159	Multiple-scattering approach to Ti L_{2,3}-edge XMCD analyses for Co doped TiO₂. Journal of Physics: Conference Series, 2009, 190, 012018.	0.4	2
160	Very high temperature annealing effect on amorphous carbon films grown on refractory oxide substrates by pulsed laser deposition. Diamond and Related Materials, 2010, 19, 107-109.	3.9	2
161	Change in the Morphology of the Terrace Edges on Graphite Surfaces by Electrochemical Reduction. Chemistry Letters, 2012, 41, 187-188.	1.3	2
162	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

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163	In-Plane Orientation Control of 2,7-Diphenyl[1]benzothieno[3,2-b][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
164	Fabrication and characterization of photo-responsive organic p-type/n-type/piezoelectric tricolor superlattices. Applied Physics Letters, 2013, 103, 133305.	3.3	2
165	Search for new nitrogen-doped carbon materials by compressing molecular crystals. Japanese Journal of Applied Physics, 2019, 58, SBBG13.	1.5	2
166	Characterization of magnetic properties of ultrathin CoFe2O4 films by utilizing magnetic proximity effect. Solid State Communications, 2020, 306, 113762.	1.9	2
167	The magnetic properties of Fe3O4/nonmagnetic metal/Fe hybrid systems. Applied Physics Letters, 2017, 110, 212402.	3.3	2
168	Fabrication of Molecular Crystal Nanostructures by a Selective Growth Method.. Hyomen Kagaku, 1998, 19, 14-20.	0.0	2
169	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
170	Epitaxial Growth and Photoelectron Spectroscopy of Pentacene. Hyomen Kagaku, 2009, 30, 7-10.	0.0	2
171	Electron energy-loss spectroscopy of (DMeâ€“DCNQI)2Cu. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1997, 15, 2119-2121.	2.1	1
172	Characterizing reactions to fabricate thin films of charge transfer complexes by synchrotron photoelectron spectroscopy: A case study of DCNQI-Cu. Applied Surface Science, 1997, 113-114, 322-325.	6.1	1
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