

# Toshihiro Shimada

## List of Publications by Citations

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4,489  
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#	Paper	IF	Citations
199	A transparent metal: Nb-doped anatase TiO <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2005</b> , 86, 252101	3.4	674
198	Fabrication of highly conductive Ti <sub>1-x</sub> Nb <sub>x</sub> O <sub>2</sub> polycrystalline films on glass substrates via crystallization of amorphous phase grown by pulsed laser deposition. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 212106	3.4	138
197	Ta-doped Anatase TiO <sub>2</sub> Epitaxial Film as Transparent Conducting Oxide. <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, L1063-L1065	1.4	132
196	Electronic Band Structure of Transparent Conductor: Nb-Doped Anatase TiO <sub>2</sub> . <i>Applied Physics Express</i> , <b>2008</b> , 1, 111203	2.4	122
195	Transport properties of d-electron-based transparent conducting oxide: Anatase Ti <sub>1-x</sub> Nb <sub>x</sub> O <sub>2</sub> . <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 093705	2.5	111
194	Epitaxial growth of transition metal dichalcogenides on cleaved faces of mica. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1990</b> , 8, 68-72	2.9	102
193	Heteroepitaxial growth of layered transition metal dichalcogenides on sulfur-terminated GaAs{111} surfaces. <i>Applied Physics Letters</i> , <b>1990</b> , 56, 327-329	3.4	102
192	Accumulation and Depletion Layer Thicknesses in Organic Field Effect Transistors. <i>Japanese Journal of Applied Physics</i> , <b>2003</b> , 42, L1408-L1410	1.4	98
191	Detailed investigation on the possibility of nanoparticles of various metal elements for surface-assisted laser desorption/ionization mass spectrometry. <i>Analytical Sciences</i> , <b>2009</b> , 25, 339-46	1.7	87
190	Novel transparent conducting oxide: Anatase Ti <sub>1-x</sub> Nb <sub>x</sub> O <sub>2</sub> . <i>Thin Solid Films</i> , <b>2006</b> , 496, 157-159	2.2	85
189	Ultralow mode-volume photonic crystal nanobeam cavities for high-efficiency coupling to individual carbon nanotube emitters. <i>Nature Communications</i> , <b>2014</b> , 5, 5580	17.4	80
188	Fabrication of Low Resistivity Nb-doped TiO <sub>2</sub> Transparent Conductive Polycrystalline Films on Glass by Reactive Sputtering. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, 5275-5277	1.4	79
187	Electric-field-induced charge injection or exhaustion in organic thin film transistor. <i>Physical Review B</i> , <b>2005</b> , 71,	3.3	79
186	Work Function and Photothreshold of Layered Metal Dichalcogenides. <i>Japanese Journal of Applied Physics</i> , <b>1994</b> , 33, 2696-2698	1.4	76
185	Application of Van der Waals epitaxy to highly heterogeneous systems. <i>Journal of Crystal Growth</i> , <b>1989</b> , 95, 603-606	1.6	73
184	Direct growth of transparent conducting Nb-doped anatase TiO <sub>2</sub> polycrystalline films on glass. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 123702	2.5	67
183	Structural, electrical and optical properties of sputter-deposited Nb-doped TiO <sub>2</sub> (TNO) polycrystalline films. <i>Thin Solid Films</i> , <b>2008</b> , 516, 5754-5757	2.2	66

182	Low-temperature Fabrication of Transparent Conducting Anatase Nb-doped TiO <sub>2</sub> Films by Sputtering. <i>Applied Physics Express</i> , <b>2008</b> , 1, 115001	2.4	64
181	Fabrication of TiO <sub>2</sub> -Based Transparent Conducting Oxide Films on Glass by Pulsed Laser Deposition. <i>Japanese Journal of Applied Physics</i> , <b>2007</b> , 46, L86-L88	1.4	62
180	Large electron mass anisotropy in a d-electron-based transparent conducting oxide: Nb-doped anatase TiO <sub>2</sub> epitaxial films. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	59
179	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> , <b>2007</b> , 102, 023706	2.5	59
178	Growth of MoSe <sub>2</sub> thin films with Van der Waals epitaxy. <i>Journal of Crystal Growth</i> , <b>1991</b> , 111, 1033-1037	1.6	56
177	Enhancement of carbon nanotube photoluminescence by photonic crystal nanocavities. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 141124	3.4	50
176	Electronic structures at the interfaces between copper phthalocyanine and layered materials. <i>Applied Physics Letters</i> , <b>1998</b> , 72, 1869-1871	3.4	48
175	Band dispersion of quasi-single crystal thin film phase pentacene monolayer studied by angle-resolved photoelectron spectroscopy. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 123308	3.4	46
174	Transparent conducting Nb-doped anatase TiO <sub>2</sub> (TNO) thin films sputtered from various oxide targets. <i>Thin Solid Films</i> , <b>2010</b> , 518, 3101-3104	2.2	46
173	Spontaneous exciton dissociation in carbon nanotubes. <i>Physical Review Letters</i> , <b>2014</b> , 112, 117401	7.4	43
172	Thermal decomposition of SnS <sub>2</sub> and SnSe <sub>2</sub> : Novel molecular-beam epitaxy sources for sulfur and selenium. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1992</b> , 10, 539-542	2.9	43
171	Preparation and magnetic properties of manganese(II) phthalocyanine thin films. <i>Journal of Chemical Physics</i> , <b>1998</b> , 108, 10256-10261	3.9	41
170	Optical control of individual carbon nanotube light emitters by spectral double resonance in silicon microdisk resonators. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 161102	3.4	35
169	High Mobility Exceeding 80 cm <sup>2</sup> V <sup>-1</sup> s <sup>-1</sup> in Polycrystalline Ta-Doped SnO <sub>2</sub> Thin Films on Glass Using Anatase TiO <sub>2</sub> Seed Layers. <i>Applied Physics Express</i> , <b>2010</b> , 3, 031102	2.4	35
168	Gate-induced blueshift and quenching of photoluminescence in suspended single-walled carbon nanotubes. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	35
167	Magnetic properties of epitaxial Fe <sub>3</sub> O <sub>4</sub> films with various crystal orientations and tunnel magnetoresistance effect at room temperature. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 102410	3.4	34
166	Fabrication of TiO <sub>2</sub> -based transparent conducting oxide on glass and polyimide substrates. <i>Thin Solid Films</i> , <b>2009</b> , 517, 3106-3109	2.2	33
165	Transparent conducting properties of anatase Ti <sub>0.94</sub> Nb <sub>0.06</sub> O <sub>2</sub> polycrystalline films on glass substrate. <i>Thin Solid Films</i> , <b>2008</b> , 516, 5750-5753	2.2	32

164	Fabrication of highly conductive Ta-doped SnO <sub>2</sub> polycrystalline films on glass using seed-layer technique by pulse laser deposition. <i>Thin Solid Films</i> , <b>2010</b> , 518, 3093-3096	2.2	28
163	Epitaxial growth of metal phthalocyanines on hydrogen terminated vicinal surfaces of Si(111). <i>Applied Physics Letters</i> , <b>1996</b> , 68, 2502-2504	3.4	28
162	Investigation of epitaxial growth and tunnel magnetoresistance effects in magnetic tunnel junctions including spinel ferrite layers. <i>Japanese Journal of Applied Physics</i> , <b>2015</b> , 54, 118003	1.4	27
161	Graphoepitaxy of sexithiophene on thermally oxidized silicon surface with artificial periodic grooves. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 251905	3.4	27
160	Graphoepitaxy of sexithiophene and orientation control by surface treatment. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 084313	2.5	26
159	Chemical Vapor Deposition of NbS <sub>2</sub> from a Chloride Source with H <sub>2</sub> Flow: Orientation Control of Ultrathin Crystals Directly Grown on SiO <sub>2</sub> /Si Substrate and Charge Density Wave Transition. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 4467-4472	3.5	25
158	Carrier induced ferromagnetism in Nb doped Co:TiO <sub>2</sub> and Fe:TiO <sub>2</sub> epitaxial thin film. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 08M121	2.5	25
157	Visualization of induced charge in an organic thin-film transistor by cross-sectional potential mapping. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 094509	2.5	24
156	Transparent conductivity of fluorine-doped anatase TiO <sub>2</sub> epitaxial thin films. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 093528	2.5	23
155	Transport properties and electronic states of anatase Ti <sub>1-x</sub> W <sub>x</sub> O <sub>2</sub> epitaxial thin films. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 023705	2.5	23
154	Bulk-like pentacene epitaxial films on hydrogen-terminated Si(111). <i>Applied Physics Letters</i> , <b>2005</b> , 87, 061917	3.4	22
153	Enhanced Carrier Transport in Uniaxially (001)-Oriented Anatase Ti <sub>0.94</sub> Nb <sub>0.06</sub> O <sub>2</sub> Films Grown on Nanosheet Seed Layers. <i>Applied Physics Express</i> , <b>2011</b> , 4, 045801	2.4	21
152	Fabrication of transparent conductive W-doped SnO <sub>2</sub> thin films on glass substrates using anatase TiO <sub>2</sub> seed layers. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2011</b> , 8, 543-545		21
151	Wetting-Dewetting oscillations of liquid films during solution-mediated vacuum deposition of rubrene. <i>Langmuir</i> , <b>2007</b> , 23, 6864-8	4	21
150	Fabrication of ultra-thin g-C <sub>3</sub> N <sub>4</sub> nanoplates for efficient visible-light photocatalytic H <sub>2</sub> O <sub>2</sub> production via two-electron oxygen reduction. <i>Chemical Engineering Journal</i> , <b>2021</b> , 425, 130615	14.7	21
149	Pinpoint-fluorinated polycyclic aromatic hydrocarbons (F-PAHs): Syntheses of difluorinated subfamily and their properties. <i>Journal of Fluorine Chemistry</i> , <b>2017</b> , 203, 173-184	2.1	20
148	Multilayered MoS <sub>2</sub> nanoflakes bound to carbon nanotubes as electron acceptors in bulk heterojunction inverted organic solar cells. <i>Organic Electronics</i> , <b>2015</b> , 17, 275-280	3.5	20
147	X-ray absorption spectroscopy and magnetic circular dichroism in codeposited C <sub>60</sub> /Co films with giant tunnel magnetoresistance. <i>Chemical Physics Letters</i> , <b>2009</b> , 470, 244-248	2.5	18

146	Intrinsic Faraday spectra of ferromagnetic rutile $\text{Ti}_{1-x}\text{Co}_x\text{O}_2$ . <i>Applied Physics Letters</i> , <b>2006</b> , 88, 252508	3.4	18
145	Ultraviolet photoelectron spectroscopy of a methyl-terminated Si surface. <i>Surface Science</i> , <b>2003</b> , 526, 177-183	1.8	18
144	Heteroepitaxial Growth of Rutile $\text{TiO}_2$ on $\text{GaN}(0001)$ by Pulsed Laser Deposition. <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, L1503-L1505	1.4	18
143	Polytypes and charge density waves of ultrathin $\text{TaS}_2$ films grown by van der Waals epitaxy. <i>Surface Science</i> , <b>1993</b> , 291, 57-66	1.8	17
142	Gate-controlled generation of optical pulse trains using individual carbon nanotubes. <i>Nature Communications</i> , <b>2015</b> , 6, 6335	17.4	16
141	Carrier Compensation by Excess Oxygen Atoms in Anatase $\text{Ti}_{0.94}\text{Nb}_{0.06}\text{O}_2$ Epitaxial Thin Films. <i>Japanese Journal of Applied Physics</i> , <b>2010</b> , 49, 041102	1.4	16
140	Magnetotransport Properties of Fe/Pentacene/Co:TiO <sub>2</sub> Junctions with Fe Top Contact Electrodes Prepared by Thermal Evaporation and Pulsed Laser Deposition. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 1184-1187	1.4	15
139	Surface migration dynamics of a planar organic molecule studied by pulsed molecular beam scattering. <i>Surface Science</i> , <b>2000</b> , 470, L52-L56	1.8	15
138	Porous graphitic carbon nitride nanoplates obtained by a combined exfoliation strategy for enhanced visible light photocatalytic activity. <i>Applied Surface Science</i> , <b>2020</b> , 499, 143901	6.7	15
137	Anatase phase stability and doping concentration dependent refractivity in codoped transparent conducting $\text{TiO}_2$ films. <i>Journal Physics D: Applied Physics</i> , <b>2007</b> , 40, 5961-5964	3	14
136	Fabrication of Fe nanowires on yttrium-stabilized zirconia single crystal substrates by thermal CVD methods. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 17D506	2.5	13
135	Localized Guided-Mode and Cavity-Mode Double Resonance in Photonic Crystal Nanocavities. <i>Physical Review Applied</i> , <b>2015</b> , 3,	4.3	13
134	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> , <b>2008</b> , 93, 223303	3.4	13
133	Magnetic Properties of Rutile $\text{Ti}_{1-x}\text{Fe}_x\text{O}_2$ Epitaxial Thin Films. <i>Japanese Journal of Applied Physics</i> , <b>2006</b> , 45, L114-L116	1.4	13
132	Ordered Growth and Crystal Structure of $\text{Alq}_3$ on Alkali Halide Surfaces. <i>Japanese Journal of Applied Physics</i> , <b>2001</b> , 40, L225-L227	1.4	12
131	Electron Spectroscopy of C <sub>60</sub> Thin Film FET Structures. <i>Japanese Journal of Applied Physics</i> , <b>2002</b> , 41, 2724-2726	1.4	12
130	Molecular Beam Epitaxy of $\text{SnSe}_2$ : Chemistry and Electronic Properties of Interfaces. <i>Japanese Journal of Applied Physics</i> , <b>1993</b> , 32, 1182-1185	1.4	12
129	Inverse Tunnel Magnetocapacitance in Fe/Al-oxide/FeO. <i>Scientific Reports</i> , <b>2017</b> , 7, 2682	4.9	11

128	Switching of the products by changing the size and shape of catalytic nanoparticles during CVD growth of MoS <sub>2</sub> nanotubes. <i>CrystEngComm</i> , <b>2017</b> , 19, 3915-3920	3.3	11
127	Oxygen-17 nuclear magnetic resonance measurements on apatite-type lanthanum silicate (La <sub>9.33</sub> (SiO <sub>4</sub> ) <sub>6</sub> O <sub>2</sub> ). <i>Solid State Ionics</i> , <b>2012</b> , 228, 64-69	3.3	11
126	Random telegraphic conductance fluctuation at Au-pentacene-Au nanojunctions. <i>Nano Letters</i> , <b>2009</b> , 9, 1442-6	11.5	11
125	Methyl-terminated Si(1 1 1) surface as the ultra thin protection layer to fabricate position-controlled alkyl SAMs by using atomic force microscope anodic oxidation. <i>Surface Science</i> , <b>2004</b> , 552, 46-52	1.8	11
124	Cobalt epitaxial nanoparticles on CaF <sub>2</sub> /Si(111): Growth process, morphology, crystal structure, and magnetic properties. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	10
123	Patterning of Epitaxial Organic Films by Selective Epitaxial Growth. <i>Japanese Journal of Applied Physics</i> , <b>1996</b> , 35, L254-L257	1.4	10
122	Structural study of TiO <sub>2</sub> -based transparent conducting films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2008</b> , 26, 1027-1029	2.9	10
121	Molecular Orientation and Electronic Structure of Epitaxial Bucky Ferrocene (Fe(C <sub>60</sub> (CH <sub>3</sub> ) <sub>5</sub> )C <sub>5</sub> H <sub>5</sub> ) Thin Films. <i>Journal of Physical Chemistry B</i> , <b>2004</b> , 108, 9914-9918	3.4	10
120	Polytypes and crystallinity of ultrathin epitaxial films of layered materials studied with grazing incidence X-ray diffraction. <i>Surface Science</i> , <b>1996</b> , 369, 379-384	1.8	10
119	Post-annealed graphite carbon nitride nanoplates obtained by sugar-assisted exfoliation with improved visible-light photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 567, 369-378	9.3	9
118	X-ray absorption and magnetic circular dichroism characterization of Fe-doped thin films. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2013</b> , 333, 130-133	2.8	9
117	Fabrication of EuTiO <sub>3</sub> Epitaxial Thin Films by Pulsed Laser Deposition. <i>Japanese Journal of Applied Physics</i> , <b>2009</b> , 48, 100208	1.4	9
116	Thickness Dependent Characteristics of a Copper Phthalocyanine Thin-Film Transistor Investigated by in situ FET Measurement System. <i>Molecular Crystals and Liquid Crystals</i> , <b>2006</b> , 455, 347-351	0.5	9
115	Epitaxial growth and electronic structure of a C <sub>60</sub> derivative prepared by using a solution spray technique. <i>Journal of Applied Physics</i> , <b>2001</b> , 90, 209-212	2.5	9
114	Effect of growth temperature and substrate materials on epitaxial growth of coronene. <i>Journal of Applied Physics</i> , <b>1998</b> , 84, 268-274	2.5	9
113	Synthesis of metastable B <sub>2</sub> -type Fe <sub>8</sub> N alloy epitaxial films and study of their magnetic properties. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 120302	1.4	9
112	Synthesis of carbon-doped boron nitride nanosheets and enhancement of their room-temperature ferromagnetic properties. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 792, 1206-1212	5.7	8
111	Morphology and mechanical behavior of diamond films fabricated by IH-MPCVD.. <i>RSC Advances</i> , <b>2018</b> , 8, 16061-16068	3.7	8

110	Highly stable passivation of a Si(1 1 1) surface using bilayer-GaSe. <i>Applied Surface Science</i> , <b>2002</b> , 190, 485-490	6.7	8
109	Healing Sulfur Vacancies in Monolayer MoS <sub>2</sub> by High-Pressure Sulfur and Selenium Annealing: Implication for High-Performance Transistors. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 10462-10469	5.6	8
108	Accurate and stable equal-pressure measurements of water vapor transmission rate reaching the 10 g m day range. <i>Scientific Reports</i> , <b>2016</b> , 6, 35408	4.9	8
107	Tunnel magnetoresistance effect in a magnetic tunnel junction with a B <sub>2</sub> -Fe <sub>3</sub> Sn electrode. <i>AIP Advances</i> , <b>2019</b> , 9, 085322	1.5	7
106	Formation of graphite zigzag edges by cathodic electrochemical etching in acidic solution. <i>Carbon</i> , <b>2014</b> , 67, 300-303	10.4	7
105	Nucleation on the substrate surfaces during liquid flux-mediated vacuum deposition of rubrene. <i>Journal of Crystal Growth</i> , <b>2008</b> , 311, 163-166	1.6	7
104	Interaction between surface migrating pentacene molecules and chemically modified surfaces of silicon oxides studied by pulsed molecular beam scattering. <i>Surface Science</i> , <b>2006</b> , 600, 236-239	1.8	7
103	Accelerated photopolymerization and increased mobility in C60 field-effect transistors studied by ultraviolet photoelectron spectroscopy. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 2439-2441	3.4	7
102	Uniaxial Alignment of Alq <sub>3</sub> by Laser-Assisted Molecular Beam Epitaxy. <i>Japanese Journal of Applied Physics</i> , <b>2005</b> , 44, L1469-L1471	1.4	7
101	Epitaxial growth of TiSe <sub>2</sub> thin films on Se-terminated GaAs(111)B. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1996</b> , 14, 2893-2896	2.9	7
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. <i>Applied Physics Express</i> , <b>2010</b> , 3, 021701 <sup>4</sup>	2.4	7
99	Magnetic and Transport Properties of Anatase TiO <sub>2</sub> Codoped with Fe and Nb. <i>Applied Physics Express</i> , <b>2010</b> , 3, 043001	2.4	6
98	High magnetic field effect in organic light emitting diodes. <i>Organic Electronics</i> , <b>2010</b> , 11, 1212-1216	3.5	6
97	Femtosecond depolarization dynamics of tris(8-hydroxyquinoline) aluminum films. <i>Chemical Physics Letters</i> , <b>2008</b> , 450, 335-339	2.5	6
96	Enhancement of Magneto-Optical Properties of Anatase Co:TiO <sub>2</sub> Co-Doped with Nb. <i>Japanese Journal of Applied Physics</i> , <b>2006</b> , 45, L387-L389	1.4	6
95	Development of high-throughput combinatorial terahertz time-domain spectrometer and its application to ternary composition-spread film. <i>Applied Surface Science</i> , <b>2006</b> , 252, 2622-2627	6.7	6
94	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> , <b>2006</b> , 515, 1568-1572	2.2	6
93	Photoinduced change in the Raman spectrum of buckyferrocene ((Fe(C <sub>60</sub> (CH <sub>3</sub> ) <sub>5</sub> )C <sub>5</sub> H <sub>5</sub> ). <i>Solid State Communications</i> , <b>2004</b> , 132, 197-201	1.6	6

92	Structure determination of ultrathin NbSe <sub>2</sub> films by Grazing incidence x-ray diffraction. <i>Solid State Communications</i> , <b>1994</b> , 89, 583-586	1.6	6
91	Carbon-Doped Hexagonal Boron Nitride: Analysis as $\pi$ -Conjugate Molecules Embedded in Two Dimensional Insulator. <i>Journal of Carbon Research</i> , <b>2016</b> , 2, 2	3.3	6
90	Chemical Vapor Deposition of MoS <sub>2</sub> : Insight Into the Growth Mechanism by Separated Gas Flow Experiments. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 3223-7	1.3	6
89	Synthesis of Carbon Nanotubes by Plasma-Enhanced Chemical Vapor Deposition Using Fe <sub>1-x</sub> MnxO Nanoparticles as Catalysts: How Does the Catalytic Activity of Graphitization Affect the Yields and Morphology?. <i>Journal of Carbon Research</i> , <b>2019</b> , 5, 46	3.3	5
88	NiCo <sub>2</sub> O <sub>4</sub> films fabricated by reactive molecular beam epitaxy and annealing in various oxygen atmospheres. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 232404	3.4	5
87	Sugar-assisted mechanochemical exfoliation of graphitic carbon nitride for enhanced visible-light photocatalytic performance. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 8444-8455	6.7	5
86	Catalytic chemical vapor deposition and structural analysis of MoS <sub>2</sub> nanotubes. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 030304	1.4	5
85	Thermal desorption measurement of ultrathin epitaxial organic films by optical spectroscopy. <i>Surface Science</i> , <b>1997</b> , 384, 302-307	1.8	5
84	Quantitative analysis of thin-film conductivity by scanning microwave microscope. <i>Applied Surface Science</i> , <b>2007</b> , 254, 757-759	6.7	5
83	Electron spectroscopy of chemically synthesized ZnS clusters. <i>Solid State Communications</i> , <b>2003</b> , 125, 581-585	1.6	5
82	Control of initial growth processes of epitaxial films using pulsed molecular beams. <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	5
81	Selective epitaxial growth of organic molecules on patterned alkali halide substrates. <i>Applied Physics Letters</i> , <b>1999</b> , 74, 941-943	3.4	5
80	Large Inverse Tunnel Magnetoresistance in Magnetic Tunnel Junctions with an Fe <sub>3</sub> O <sub>4</sub> Electrode. <i>Physical Review Applied</i> , <b>2021</b> , 15,	4.3	5
79	Fe whisker growth revisited: effect of Au catalysis for [02] oriented nanowires with 100 nm diameter. <i>RSC Advances</i> , <b>2014</b> , 4, 27620-27624	3.7	4
78	Fabrication of Epitaxial FeO Film on a Si(111) Substrate. <i>Scientific Reports</i> , <b>2017</b> , 7, 7009	4.9	4
77	Diamond-like carbon doped with highly $\pi$ -conjugated molecules by plasma-assisted CVD. <i>Japanese Journal of Applied Physics</i> , <b>2014</b> , 53, 010203	1.4	4
76	Electric Double Layer Gate Field-Effect Transistors Based on Si. <i>Japanese Journal of Applied Physics</i> , <b>2010</b> , 49, 04DK06	1.4	4
75	Very high temperature chemical vapor deposition of new carbon thin films using organic semiconductor molecular beam sources. <i>Thin Solid Films</i> , <b>2009</b> , 518, 778-780	2.2	4



74	Fabrication of Piezoelectric Polyurea Films by Alternating Deposition. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 041603	1.4	4
73	Velocity distribution of organic molecules emitted from effusion cells measured by time-of-flight technique. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1999</b> , 17, 615-618	2.9	4
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