

Yasushi Hirose

List of Publications by Year in descending order

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143
papers

3,762
citations

186265

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57
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144
all docs

144
docs citations

144
times ranked

3734
citing authors

#	ARTICLE	IF	CITATIONS
1	A transparent metal: Nb-doped anatase TiO ₂ . Applied Physics Letters, 2005, 86, 252101.	3.3	741
2	Properties of TiO ₂ -based transparent conducting oxides. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1529-1537.	1.8	165
3	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. Applied Physics Letters, 2007, 90, 212106.	3.3	146
4	Ta-doped Anatase TiO ₂ Epitaxial Film as Transparent Conducting Oxide. Japanese Journal of Applied Physics, 2005, 44, L1063-L1065.	1.5	144
5	Electronic Band Structure of Transparent Conductor: Nb-Doped Anatase TiO ₂ . Applied Physics Express, 2008, 1, 111203.	2.4	134
6	Transport properties of d-electron-based transparent conducting oxide: Anatase Ti _{1-x} Nb _x O ₂ . Journal of Applied Physics, 2007, 101, 093705.	2.5	115
7	Possible ferroelectricity in perovskite oxynitride SrTaO ₂ N epitaxial thin films. Scientific Reports, 2014, 4, .	3.3	105
8	Novel transparent conducting oxide: Anatase Ti _{1-x} Nb _x O ₂ . Thin Solid Films, 2006, 496, 157-159.	1.8	90
9	Fabrication of Low Resistivity Nb-doped TiO ₂ Transparent Conductive Polycrystalline Films on Glass by Reactive Sputtering. Japanese Journal of Applied Physics, 2007, 46, 5275.	1.5	86
10	Effect of Potential Energy Gap between the n- π^* and the $\pi-\pi^*$ State on Ultrafast Photoisomerization Dynamics of an Azobenzene Derivative. Journal of Physical Chemistry A, 2002, 106, 3067-3071.	2.5	73
11	Structural, electrical and optical properties of sputter-deposited Nb-doped TiO ₂ (TNO) polycrystalline films. Thin Solid Films, 2008, 516, 5754-5757.	1.8	70
12	Direct growth of transparent conducting Nb-doped anatase TiO ₂ polycrystalline films on glass. Journal of Applied Physics, 2009, 105, .	2.5	70
13	Fabrication of TiO ₂ -Based Transparent Conducting Oxide Films on Glass by Pulsed Laser Deposition. Japanese Journal of Applied Physics, 2007, 46, L86-L88.	1.5	68
14	Large electron mass anisotropy in a d-electron-based transparent conducting oxide: Nb-doped anatase films. Physical Review B, 2009, 79, .	3.2	63
15	Metallic transport and large anomalous Hall effect at room temperature in ferrimagnetic Mn ₄ N epitaxial thin film. Applied Physics Letters, 2014, 105, .	3.3	59
16	Intrinsic high electrical conductivity of stoichiometric SrNb ₃ O ₃ epitaxial thin films. Physical Review B, 2015, 92, .	3.2	58
17	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
18	SrNbO ₃ as a transparent conductor in the visible and ultraviolet spectra. Communications Physics, 2020, 3, .	5.3	48

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19	The Ultrafast Relaxation Dynamics of a Viscosity Probe Molecule in an AOT-Reversed Micelle: Contribution of the Specific Interactions with the Local Environment. <i>Journal of Physical Chemistry B</i> , 2004, 108, 9070-9076.	2.6	45
20	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
21	High-Mobility Electron Conduction in Oxynitride: Anatase TaON. <i>Chemistry of Materials</i> , 2014, 26, 976-981.	6.7	42
22	Femtosecond Time-Resolved Spectroscopy of Photoisomerization of Methyl Orange in Cyclodextrins. <i>Journal of Physical Chemistry A</i> , 2001, 105, 11395-11399.	2.5	39
23	Reversible Changes in Resistance of Perovskite Nickelate NdNiO ₃ Thin Films Induced by Fluorine Substitution. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10882-10887.	8.0	39
24	Topotactic fluorination of strontium iron oxide thin films using polyvinylidene fluoride. <i>Journal of Materials Chemistry C</i> , 2014, 2, 5350-5356.	5.5	38
25	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
26	Preparation of Layered-Rhombohedral LiCoO ₂ Epitaxial Thin Films Using Pulsed Laser Deposition. <i>Applied Physics Express</i> , 0, 2, 085502.	2.4	36
27	Fabrication of highly conductive Ta-doped SnO ₂ polycrystalline films on glass using seed-layer technique by pulse laser deposition. <i>Thin Solid Films</i> , 2010, 518, 3093-3096.	1.8	34
28	Strain Engineering for Anion Arrangement in Perovskite Oxynitrides. <i>ACS Nano</i> , 2017, 11, 3860-3866.	14.6	31
29	Epitaxial Strain-Controlled Ionic Conductivity in Li-Ion Solid Electrolyte Li _{0.33} La _{0.56} TiO ₃ Thin Films. <i>Crystal Growth and Design</i> , 2015, 15, 2187-2191.	3.0	29
30	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
31	Heteroepitaxial Growth of Perovskite CaTaO ₂ N Thin Films by Nitrogen Plasma-Assisted Pulsed Laser Deposition. <i>Crystal Growth and Design</i> , 2014, 14, 87-90.	3.0	26
32	Fabrication of transparent conductive W-doped SnO ₂ thin films on glass substrates using anatase TiO ₂ seed layers. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 543-545.	0.8	25
33	Transparent conductivity of fluorine-doped anatase TiO ₂ epitaxial thin films. <i>Journal of Applied Physics</i> , 2012, 111, 093528.	2.5	25
34	Transport properties and electronic states of anatase Ti _{1-x} W _x O ₂ epitaxial thin films. <i>Journal of Applied Physics</i> , 2010, 107, 023705.	2.5	24
35	Lateral Solid-Phase Epitaxy of Oxide Thin Films on Glass Substrate Seeded with Oxide Nanosheets. <i>ACS Nano</i> , 2014, 8, 6145-6150.	14.6	24
36	High mobility approaching the intrinsic limit in Ta-doped SnO ₂ films epitaxially grown on TiO ₂ (001) substrates. <i>Scientific Reports</i> , 2020, 10, 6844.	3.3	24

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37	CEMS study on diluted magneto titanium oxide films prepared by pulsed laser deposition. <i>Hyperfine Interactions</i> , 2007, 168, 1065-1071.	0.5	23
38	Metal-induced solid-phase crystallization of amorphous TiO ₂ thin films. <i>Applied Physics Letters</i> , 2012, 101, 052101.	3.3	23
39	Enhanced Carrier Transport in Uniaxially (001)-Oriented Anatase Ti _{0.94} Nb _{0.06} O ₂ Films Grown on Nanosheet Seed Layers. <i>Applied Physics Express</i> , 2011, 4, 045801.	2.4	21
40	Development of ¹⁸ F-E telescope ERDA with 40 MeV ³⁵ Cl ⁷⁺ beam at MALT in the University of Tokyo optimized for analysis of metal oxynitride thin films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016, 384, 61-67.	1.4	21
41	Heteroepitaxial Growth of Rutile TiO ₂ on GaN(0001) by Pulsed Laser Deposition. <i>Japanese Journal of Applied Physics</i> , 2005, 44, L1503-L1505.	1.5	20
42	Full compensation of oxygen vacancies in EuTiO ₃ (001) epitaxial thin film stabilized by a SrTiO ₃ surface protection layer. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	20
43	Improved room temperature electron mobility in self-buffered anatase TiO ₂ epitaxial thin film grown at low temperature. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 090305.	1.5	20
44	Topotactic reductive fluorination of strontium cobalt oxide epitaxial thin films. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 527-530.	2.4	20
45	Strain-induced creation and switching of anion vacancy layers in perovskite oxynitrides. <i>Nature Communications</i> , 2020, 11, 5923.	12.8	20
46	Intrinsic Faraday spectra of ferromagnetic rutile Ti _{1-x} CoxO ₂ . <i>Applied Physics Letters</i> , 2006, 88, 252508.	3.3	19
47	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
48	Amorphous ZnO _x /Ny thin films with high electron Hall mobility exceeding 200 cm ² V ⁻¹ s ⁻¹ . <i>Applied Physics Letters</i> , 2016, 109, .	3.3	19
49	Topotactic fluorination of perovskite strontium ruthenate thin films using polyvinylidene fluoride. <i>CrystEngComm</i> , 2017, 19, 313-317.	2.6	19
50	Anion-Substitution-Induced Nonrigid Variation of Band Structure in SrNbO _{3-x} N _x (0 ≤ x ≤ 1) Epitaxial Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 35008-35015.	8.0	19
51	Ultrafast transient lens spectroscopy of photoisomerization dynamics of azocompounds in confined nanospace of cyclodextrins. <i>Review of Scientific Instruments</i> , 2003, 74, 907-909.	1.3	18
52	Carrier Compensation by Excess Oxygen Atoms in Anatase Ti _{0.94} Nb _{0.06} O _{2+δ} Epitaxial Thin Films. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 041102.	1.5	18
53	Enhanced Carrier Generation in Nb-Doped SnO ₂ Thin Films Grown on Strain-Inducing Substrates. <i>Applied Physics Express</i> , 2012, 5, 061201.	2.4	18
54	Application of sputter-deposited amorphous and anatase TiO ₂ as electron-collecting layers in inverted organic photovoltaics. <i>Organic Electronics</i> , 2013, 14, 1715-1719.	2.6	18

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55	Magnetotransport Properties of Fe/Pentacene/Co:TiO ₂ Junctions 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
56	Carrier compensation mechanism in heavily Nb-doped anatase Ti _{1-x} Nb _x O ₂ +F ₂ epitaxial thin films. Journal Physics D: Applied Physics, 2011, 44, 365404.	2.8	17
57	Transition in electron scattering mechanism in atomic layer deposited Nb:TiO ₂ thin films. Applied Physics Letters, 2015, 106, .	3.3	17
58	Thermoelectric properties of amorphous ZnO _x N _y thin films at room temperature. Applied Physics Letters, 2019, 114, .	3.3	17
59	One unit-cell seed layer induced epitaxial growth of heavily nitrogen doped anatase TiO ₂ films. Journal Physics D: Applied Physics, 2008, 41, 062005.	2.8	16
60	Ferromagnetism with strong magnetocrystalline anisotropy in A-site ordered perovskite YBaCo ₂ O ₆ epitaxial thin films prepared via wet-chemical topotactic oxidation. Journal of Materials Chemistry C, 2018, 6, 3445-3450.	5.5	15
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73	Non-metallic electrical transport properties of a metastable Ti_3O_5 thin film epitaxially stabilized on a pseudobrookite seed layer. Applied Physics Letters, 2020, 116, .	3.3	9
74	Electron localization induced by intrinsic anion disorder in a transition metal oxynitride. Communications Physics, 2021, 4, .	5.3	9
75	Magnetic and Transport Properties of Anatase TiO_2 Codoped with Fe and Nb. Applied Physics Express, 2010, 3, 043001.	2.4	8
76	Crystallization Kinetics of Amorphous Sputtered Nb-Doped TiO_2 Thin Films. Applied Physics Express, 2011, 4, 105601.	2.4	8
77	Metallic conductivity in infinite-layer strontium iron oxide thin films reduced by calcium hydride. Journal Physics D: Applied Physics, 2014, 47, 135304.	2.8	8
78	Carrier generation mechanism and effect of tantalum-doping in transparent conductive amorphous SnO_2 thin films. Japanese Journal of Applied Physics, 2014, 53, 05FX04.	1.5	8
79	Indium-Free Inverted Organic Solar Cells Using Niobium-Doped Titanium Oxide with Integrated Dual Function of Transparent Electrode and Electron Transport Layer. Advanced Electronic Materials, 2016, 2, 1500341.	5.1	8
80	Strong carrier localization in 3d transition metal oxynitride LaVO_xN_x epitaxial thin films. Journal of Materials Chemistry C, 2017, 5, 1798-1802.	5.5	8
81	$(\text{TiO}_2)_x(\text{TaON})_x$ Solid Solution for Band Engineering of Anatase TiO_2 . Chemistry of Materials, 2018, 30, 8789-8794.	6.7	8
82	Ligand Field-Induced Exotic Dopant for Infrared Transparent Electrode: W in Rutile SnO_2 . Advanced Functional Materials, 2022, 32, .	14.9	8
83	Ultrafast dynamics of aqueous solutions in size-controlled reverse micelles. Review of Scientific Instruments, 2003, 74, 898-900.	1.3	7
84	New Approaches to Liquid Interfaces through Changes in the Refractive Index and Nonlinear Susceptibility Utilizing Ultrashort Laser Pulses. Analytical Sciences, 2004, 20, 1493-1499.	1.6	7
85	Quantitative Conductivity Mapping of SrTiO_3 - LaAlO_3 - LaTiO_3 Ternary Composition-Spread Thin Film by Scanning Microwave Microscope. Applied Physics Express, 0, 1, 055003.	2.4	7
86	High magnetic field effect in organic light emitting diodes. Organic Electronics, 2010, 11, 1212-1216.	2.6	7
87	High-Throughput Screening of Ultraviolet-Visible Magneto-optical Properties of Spinel Ferrite $(\text{Zn},\text{Co})\text{Fe}_2\text{O}_4$ Solid Solution Epitaxial Film by a Composition-Spread Approach. Applied Physics Express, 2010, 3, 103001.	2.4	7
88	Suppressed grain-boundary scattering in atomic layer deposited Nb:TiO ₂ thin films. Applied Physics Letters, 2015, 107, .	3.3	7
89	Epitaxial Growth of Baddeleyite NbON Thin Films on Yttria-stabilized Zirconia by Pulsed Laser Deposition. Chemistry Letters, 2018, 47, 65-67.	1.3	7
90	High-Quality Heteroepitaxial Growth of Thin Films of the Perovskite Oxynitride CaTaO_2N : Importance of Interfacial Symmetry Matching between Films and Substrates. ACS Omega, 2020, 5, 13396-13402.	3.5	7

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91	Development of high-throughput combinatorial terahertz time-domain spectrometer and its application to ternary composition-spread film. Applied Surface Science, 2006, 252, 2622-2627.	6.1	6
92	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
93	Fabrication and Magnetic Properties of fcc-Co Nanorods Embedded in Epitaxial Thin Films of Anatase TiO ₂ As a Transparent Matrix. Journal of Physical Chemistry C, 2011, 115, 1776-1779.	3.1	6
94	Fabrication of Nb-Doped TiO ₂ Transparent Conducting Films by Postdeposition Annealing under Nitrogen Atmosphere. Japanese Journal of Applied Physics, 2012, 51, 118003.	1.5	6
95	Magnetic and dielectric properties of layered perovskite Gd ₂ Ti ₂ O ₇ thin film epitaxially stabilized on a perovskite single crystal. Journal of Applied Physics, 2012, 111, .	2.5	6
96	Strain-enhanced topotactic hydrogen substitution for oxygen in SrTiO ₃ epitaxial thin film. Applied Physics Letters, 2018, 113, .	3.3	6
97	Wet Etching of TiO ₂ -Based Precursor Amorphous Films for Transparent Electrodes. Japanese Journal of Applied Physics, 2011, 50, 018002.	1.5	6
98	Quantitative analysis of thin-film conductivity by scanning microwave microscope. Applied Surface Science, 2007, 254, 757-759.	6.1	5
99	Investigation of electrical and magnetic properties of triangular antiferromagnets. Journal of Applied Physics, 2011, 109, 07E133.	2.5	5
100	Wet Etching of TiO ₂ -Based Precursor Amorphous Films for Transparent Electrodes. Japanese Journal of Applied Physics, 2011, 50, 018002.	1.5	5
101	c-axis-oriented growth of anatase TiO ₂ thin films on glass substrate with SrTiO ₃ /TiN template. Journal of Crystal Growth, 2013, 376, 66-69.	1.5	5
102	Solid phase epitaxy of EuTiO ₃ thin films on SrTiO ₃ (100) substrates with different oxygen contents. Journal of Crystal Growth, 2013, 378, 243-245.	1.5	5
103	TiO ₂ thin film crystallization temperature lowered by Cu-induced solid phase crystallization. Thin Solid Films, 2014, 553, 17-20.	1.8	5
104	High-Mobility and Air-Stable Amorphous Semiconductor Composed of Earth-Abundant Elements: Amorphous Zinc Oxysulfide. Advanced Electronic Materials, 2020, 6, 1900602.	5.1	5
105	Exploring Metastable Oxynitrides by Thin Film Growth Approach. Bulletin of the Chemical Society of Japan, 2021, 94, 1355-1363.	3.2	5
106	Characterization of ⁵⁷ Fe Implanted and Annealed SnO ₂ (3 % Sb) Films by Depth Selective Conversion Electron Mössbauer Spectroscopy (DCEMS). Journal of Nuclear and Radiochemical Sciences, 2010, 11, 1-5.	0.7	5
107	Development of a Total Internal Reflection Ultrafast Transient Lens Method for Studying Molecular Dynamics on an Interface. Analytical Chemistry, 2004, 76, 3794-3799.	6.5	4
108	Quantum confinement effect in Bi anti-dot thin films with tailored pore wall widths and thicknesses. Applied Physics Letters, 2014, 104, 023106.	3.3	4

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109	Structural Variation in Ag ⁺ Co Nanostructures Embedded in TiO ₂ Thin Films Fabricated by Pulsed Laser Deposition. <i>Chemistry Letters</i> , 2014, 43, 225-227.	1.3	4
110	Effects of reductive annealing on insulating polycrystalline thin films of Nb-doped anatase TiO ₂ : recovery of high conductivity. <i>Journal of Semiconductors</i> , 2016, 37, 022001.	3.7	4
111	Structural, electrical, and optical properties of polycrystalline NbO ₂ thin films grown on glass substrates by solid phase crystallization. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600604.	1.8	4
112	Anion arrangement analysis of oxynitride perovskite thin film with inverse photoelectron holography. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2021, 246, 147018.	1.7	4
113	X-ray Fluorescence Holography Measurement of Oxynitride Thin Film of CaTaO _{2.2} N. <i>E-Journal of Surface Science and Nanotechnology</i> , 2021, 19, 99-103.	0.4	4
114	Ultrafast dynamics of a solution in spatially restricted environments studied by photothermal spectroscopies. <i>Chemical Record</i> , 2004, 4, 331-345.	5.8	3
115	Epitaxial growth of indium oxyfluoride thin films by reactive pulsed laser deposition: Structural change induced by fluorine insertion into vacancy sites in bixbyite structure. <i>Thin Solid Films</i> , 2014, 559, 96-99.	1.8	3
116	Low temperature epitaxial growth of anatase TaON using anatase TiO ₂ seed layer. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 080303.	1.5	3
117	Anisotropic Crystal Growth, Optical Absorption, and Ground-State Energy Level of CdSe Quantum Dots Adsorbed on the (001) and (102) Surfaces of Anatase-TiO ₂ : Quantum Dot-Sensitization System. <i>Journal of Physical Chemistry C</i> , 2018, 122, 29200-29209.	3.1	3
118	Enhanced Electrical Conduction in Anatase TaON via Soft Chemical Lithium Insertion toward Electronics Application. <i>ACS Applied Nano Materials</i> , 2018, 1, 3981-3985.	5.0	3
119	Theoretical Investigation of the Role of the Nitride Ion in the Magnetism of Oxynitride MnTaO ₂ N. <i>Journal of Physical Chemistry C</i> , 2019, 123, 25379-25384.	3.1	3
120	Modification of Electrical and Magnetic Properties of Fe ₃ O ₄ Epitaxial Thin Films by Nitrogen Substitution for Oxygen. <i>ACS Applied Electronic Materials</i> , 2019, 1, 595-599.	4.3	3
121	Fabrication of Nb-Doped TiO ₂ Transparent Conducting Films by Postdeposition Annealing under Nitrogen Atmosphere. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 118003.	1.5	3
122	Enhanced ferromagnetic transition temperature in $\text{Nd}_x\text{O}_{1-x}\text{D}_y$ epitaxial thin films. <i>Physical Review Materials</i> , 2019, 3, .	2.4	3
123	⁵⁷ Co-emission Mössbauer study on diluted magnetic semiconductor TiO ₂ films. <i>Hyperfine Interactions</i> , 2008, 184, 69-74.	0.5	2
124	Enhanced coercivity of half-metallic La _{0.7} Sr _{0.3} MnO ₃ by Ru substitution under in-plane uniaxial strain. <i>Journal of Applied Physics</i> , 2012, 111, 07B102.	2.5	2
125	Magnetic behaviour and DCEMS study of SnO ₂ films implanted with ⁵⁷ Fe. <i>Hyperfine Interactions</i> , 2013, 217, 37-43.	0.5	2
126	Structural and electrical properties of lanthanum copper oxide epitaxial thin films with different domain morphologies. <i>CrystEngComm</i> , 2018, 20, 5012-5016.	2.6	2

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127	Strain-induced structural transition of rutile type ReO ₂ epitaxial thin films. Applied Physics Letters, 2020, 117, 111903.	3.3	2
128	Heteroepitaxial Growth of a Ta ₃ N ₅ Thin Film with Clear Anisotropic Optical Properties. Journal of Physical Chemistry Letters, 2021, 12, 12323-12328.	4.6	2
129	Sol-gel synthesized powder and pulsed laser deposited film of amorphous indium zinc oxides doped with Fe. Hyperfine Interactions, 2008, 184, 123-128.	0.5	1
130	Ferromagnetic rutile Co _x Ti _{1-x} O ₂ heteroepitaxy on wurtzite GaN and ZnO. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3104-3106.	0.8	1
131	Carrier Compensation Mechanism of Highly Conductive Anatase Ti _{0.94} Nb _{0.06} O ₂ Epitaxial Thin Films. Materials Research Society Symposia Proceedings, 2008, 1074, 1.	0.1	1
132	Heteroepitaxial growth of ferromagnetic rutile Co _x Ti _{1-x} O ₂ on GaN (0001). Applied Physics Letters, 2008, 92, 042503.	3.3	1
133	Electronic and transport properties of Eu-substituted infinite-layer strontium ferrite thin films. Journal of Crystal Growth, 2013, 378, 165-167.	1.5	1
134	Effect of micromorphology on transport properties of Nb-doped anatase TiO ₂ films: A transmission electron microscopy study. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600606.	1.8	1
135	Installation of TOF-E telescope ERDA in UTTAC at the University of Tsukuba: Analysis of metal-nitride-based multi-layer coatings on glasses. Nuclear Instruments & Methods in Physics Research B, 2021, 503, 68-74.	1.4	1
136	Investigation of magnetic Co antidot array structure on anodic porous alumina. Journal of the Korean Physical Society, 2010, 56, 602-606.	0.7	1
137	Crystal structure and electronic property modification of Ca ₂ Nb ₂ O ₇ thin films via fluorine doping. Physical Review Materials, 2022, 6, .		
138	New transparent conductors anatase Ti _{1-x} M _x O ₂ (M=Nb,Ta): transport and optical properties. Materials Research Society Symposia Proceedings, 2005, 905, 1.	0.1	0
139	Electrical and Structural Properties of Ta-doped SnO ₂ Transparent Conductive Thin Films by Pulsed Laser Deposition. Materials Research Society Symposia Proceedings, 2014, 1604, 1.	0.1	0
140	Fabrication of textured SnO ₂ transparent conductive films using self-assembled Sn nanospheres. Japanese Journal of Applied Physics, 2018, 57, 060307.	1.5	0
141	⁵⁷ Co-emission Mössbauer study on diluted magnetic semiconductor TiO ₂ films. , 2008, , 483-488.		0
142	Large Electron Mass Anisotropy in Anatase Ti _{1-x} Nb _x O ₂ Transparent Conductor. , 2008, , .		0
143	(Invited) Amorphous Zinc Oxysulfide Thin Films: Synthesis, Physical Properties, and TFT Application. ECS Meeting Abstracts, 2020, MA2020-02, 1924-1924.	0.0	0