

# Yasushi Hirose

## List of Publications by Year in descending order

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186265

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docs citations

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times ranked

3734  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ligand Field-Induced Exotic Dopant for Infrared Transparent Electrode: W in Rutile SnO <sub>2</sub> . Advanced Functional Materials, 2022, 32, .	14.9	8
2	Crystal structure and electronic property modification of $\text{Ca}_{2-x}\text{Mn}_x\text{TiO}_5$ thin films via fluorine doping. Physical Review Materials, 2022, 6, .		
3	Exploring Metastable Oxynitrides by Thin Film Growth Approach. Bulletin of the Chemical Society of Japan, 2021, 94, 1355-1363.	3.2	5
4	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
5	Anion arrangement analysis of oxynitride perovskite thin film with inverse photoelectron holography. Journal of Electron Spectroscopy and Related Phenomena, 2021, 246, 147018.	1.7	4
6	X-ray Fluorescence Holography Measurement of Oxynitride Thin Film of CaTaO <sub>2</sub> N. E-Journal of Surface Science and Nanotechnology, 2021, 19, 99-103.	0.4	4
7	Electron localization induced by intrinsic anion disorder in a transition metal oxynitride. Communications Physics, 2021, 4, .	5.3	9
8	Heteroepitaxial Growth of a Ta <sub>3</sub> N <sub>5</sub> Thin Film with Clear Anisotropic Optical Properties. Journal of Physical Chemistry Letters, 2021, 12, 12323-12328.	4.6	2
9	High-Mobility and Air-Stable Amorphous Semiconductor Composed of Earth-Abundant Elements: Amorphous Zinc Oxysulfide. Advanced Electronic Materials, 2020, 6, 1900602.	5.1	5
10	Strain-induced creation and switching of anion vacancy layers in perovskite oxynitrides. Nature Communications, 2020, 11, 5923.	12.8	20
11	Strain-induced structural transition of rutile type ReO <sub>2</sub> epitaxial thin films. Applied Physics Letters, 2020, 117, 111903.	3.3	2
12	SrNbO <sub>3</sub> as a transparent conductor in the visible and ultraviolet spectra. Communications Physics, 2020, 3, .	5.3	48
13	High-Quality Heteroepitaxial Growth of Thin Films of the Perovskite Oxynitride CaTaO <sub>2</sub> N: Importance of Interfacial Symmetry Matching between Films and Substrates. ACS Omega, 2020, 5, 13396-13402.	3.5	7
14	High mobility approaching the intrinsic limit in Ta-doped SnO <sub>2</sub> films epitaxially grown on TiO <sub>2</sub> (001) substrates. Scientific Reports, 2020, 10, 6844.	3.3	24
15	Non-metallic electrical transport properties of a metastable $\text{TaTi}_3\text{O}_5$ thin film epitaxially stabilized on a pseudobrookite seed layer. Applied Physics Letters, 2020, 116, .	3.3	9
16	(Invited) Amorphous Zinc Oxysulfide Thin Films: Synthesis, Physical Properties, and TFT Application. ECS Meeting Abstracts, 2020, MA2020-02, 1924-1924.	0.0	0
17	Thermoelectric properties of amorphous ZnO <sub>x</sub> N <sub>y</sub> thin films at room temperature. Applied Physics Letters, 2019, 114, .	3.3	17
18	Theoretical Investigation of the Role of the Nitride Ion in the Magnetism of Oxynitride MnTaO <sub>2</sub> N. Journal of Physical Chemistry C, 2019, 123, 25379-25384.	3.1	3

#	ARTICLE	IF	CITATIONS
19	Modification of Electrical and Magnetic Properties of Fe <sub>3</sub> O <sub>4</sub> Epitaxial Thin Films by Nitrogen Substitution for Oxygen. ACS Applied Electronic Materials, 2019, 1, 595-599.	4.3	3
20	Enhanced ferromagnetic transition temperature in NdOx DyOx epitaxial thin films. Physical Review Materials, 2019, 3, .	2.4	3
21	Ferromagnetism with strong magnetocrystalline anisotropy in A-site ordered perovskite YBaCo <sub>2</sub> O <sub>6</sub> epitaxial thin films prepared via wet-chemical topotactic oxidation. Journal of Materials Chemistry C, 2018, 6, 3445-3450.	5.5	15
22	Epitaxial Growth of Baddeleyite NbON Thin Films on Ytria-stabilized Zirconia by Pulsed Laser Deposition. Chemistry Letters, 2018, 47, 65-67.	1.3	7
23	Strain-enhanced topotactic hydrogen substitution for oxygen in SrTiO <sub>3</sub> epitaxial thin film. Applied Physics Letters, 2018, 113, .	3.3	6
24	Anisotropic Crystal Growth, Optical Absorption, and Ground-State Energy Level of CdSe Quantum Dots Adsorbed on the (001) and (102) Surfaces of Anatase-TiO <sub>2</sub> : Quantum Dot-Sensitization System. Journal of Physical Chemistry C, 2018, 122, 29200-29209.	3.1	3
25	(TiO <sub>2</sub> ) <sub>1-x</sub> (TaON) <sub>x</sub> Solid Solution for Band Engineering of Anatase TiO <sub>2</sub> . Chemistry of Materials, 2018, 30, 8789-8794.	6.7	8
26	Epitaxy of Ga		

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37	Indium-Free Inverted Organic Solar Cells Using Niobium-Doped Titanium Oxide with Integrated Dual Function of Transparent Electrode and Electron Transport Layer. <i>Advanced Electronic Materials</i> , 2016, 2, 1500341.	5.1	8
38	Effects of reductive annealing on insulating polycrystalline thin films of Nb-doped anatase $\text{TiO}_2$ : recovery of high conductivity. <i>Journal of Semiconductors</i> , 2016, 37, 022001.	3.7	4
39	Amorphous $\text{ZnO}/\text{Ni}$ thin films with high electron Hall mobility exceeding $200 \text{ cm}^2 \text{ V}^{-1} \text{ s}^{-1}$ . <i>Applied Physics Letters</i> , 2016, 109, .	3.3	19
40	Development of $^{18}\text{F}$ -E-E telescope ERDA with 40 MeV $^{35}\text{Cl}^+$ beam at MALT in the University of Tokyo optimized for analysis of metal oxynitride thin films. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2016, 384, 61-67.	1.4	21
41	Intrinsic high electrical conductivity of stoichiometric $\text{SrNb}_3\text{O}_{10}$ epitaxial thin films. <i>Physical Review B</i> , 2015, 92, .	3.2	58
42	Suppressed grain-boundary scattering in atomic layer deposited Nb:TiO <sub>2</sub> thin films. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	7
43	Composition-induced structural, electrical, and magnetic phase transitions in AX-type mixed-valence cobalt oxynitride epitaxial thin films. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	12
44	Transition in electron scattering mechanism in atomic layer deposited Nb:TiO <sub>2</sub> thin films. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	17
45	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
46	Epitaxial Strain-Controlled Ionic Conductivity in Li-Ion Solid Electrolyte $\text{Li}_{0.33}\text{La}_{0.56}\text{TiO}_3$ Thin Films. <i>Crystal Growth and Design</i> , 2015, 15, 2187-2191.	3.0	29
47	Low temperature epitaxial growth of anatase TaON using anatase $\text{TiO}_2$ seed layer. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 080303.	1.5	3
48	Improved room temperature electron mobility in self-buffered anatase $\text{TiO}_2$ epitaxial thin film grown at low temperature. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 090305.	1.5	20
49	Metallic conductivity in infinite-layer strontium iron oxide thin films reduced by calcium hydride. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 135304.	2.8	8
50	Quantum confinement effect in Bi anti-dot thin films with tailored pore wall widths and thicknesses. <i>Applied Physics Letters</i> , 2014, 104, 023106.	3.3	4
51	Metallic transport and large anomalous Hall effect at room temperature in ferrimagnetic $\text{Mn}_4\text{N}$ epitaxial thin film. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	59
52	Stress stabilization of a new ferroelectric phase incorporated into $\text{SrTaO}_2\text{N}$ thin films. <i>Journal of Applied Physics</i> , 2014, 116, 053505.	2.5	9
53	Electrical and Structural Properties of Ta-doped $\text{SnO}_2$ Transparent Conductive Thin Films by Pulsed Laser Deposition. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1604, 1.	0.1	0
54	TiO <sub>2</sub> thin film crystallization temperature lowered by Cu-induced solid phase crystallization. <i>Thin Solid Films</i> , 2014, 553, 17-20.	1.8	5

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55	Carrier generation mechanism and effect of tantalum-doping in transparent conductive amorphous SnO <sub>2</sub> thin films. Japanese Journal of Applied Physics, 2014, 53, 05FX04.	1.5	8
56	Topotactic fluorination of strontium iron oxide thin films using polyvinylidene fluoride. Journal of Materials Chemistry C, 2014, 2, 5350-5356.	5.5	38
57	High-Mobility Electron Conduction in Oxynitride: Anatase TaON. Chemistry of Materials, 2014, 26, 976-981.	6.7	42
58	Heteroepitaxial Growth of Perovskite CaTaO <sub>2</sub> N Thin Films by Nitrogen Plasma-Assisted Pulsed Laser Deposition. Crystal Growth and Design, 2014, 14, 87-90.	3.0	26
59	Lateral Solid-Phase Epitaxy of Oxide Thin Films on Glass Substrate Seeded with Oxide Nanosheets. ACS Nano, 2014, 8, 6145-6150.	14.6	24
60	Epitaxial growth of indium oxyfluoride thin films by reactive pulsed laser deposition: Structural change induced by fluorine insertion into vacancy sites in bixbyite structure. Thin Solid Films, 2014, 559, 96-99.	1.8	3
61	Structural Variation in Ag-Co Nanostructures Embedded in TiO <sub>2</sub> Thin Films Fabricated by Pulsed Laser Deposition. Chemistry Letters, 2014, 43, 225-227.	1.3	4
62	Possible ferroelectricity in perovskite oxynitride SrTaO <sub>2</sub> N epitaxial thin films. Scientific Reports, 2014, 4, .	3.3	105
63	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
64	c-axis-oriented growth of anatase TiO <sub>2</sub> thin films on glass substrate with SrTiO <sub>3</sub> /TiN template. Journal of Crystal Growth, 2013, 376, 66-69.	1.5	5
65	Solid phase epitaxy of EuTiO <sub>3</sub> thin films on SrTiO <sub>3</sub> (100) substrates with different oxygen contents. Journal of Crystal Growth, 2013, 378, 243-245.	1.5	5
66	Electronic and transport properties of Eu-substituted infinite-layer strontium ferrite thin films. Journal of Crystal Growth, 2013, 378, 165-167.	1.5	1
67	Application of sputter-deposited amorphous and anatase TiO <sub>2</sub> as electron-collecting layers in inverted organic photovoltaics. Organic Electronics, 2013, 14, 1715-1719.	2.6	18
68	Full compensation of oxygen vacancies in EuTiO <sub>3</sub> (001) epitaxial thin film stabilized by a SrTiO <sub>3</sub> surface protection layer. Applied Physics Letters, 2013, 102, .	3.3	20
69	Low temperature resistivity, thermoelectricity, and power factor of Nb doped anatase TiO <sub>2</sub> . Applied Physics Letters, 2013, 102, 013901.	3.3	13
70	Magnetic behaviour and DCEMS study of SnO <sub>2</sub> films implanted with <sup>57</sup> Fe. Hyperfine Interactions, 2013, 217, 37-43.	0.5	2
71	Wet Etching of Amorphous TiO <sub>2</sub> Thin Films Using H <sub>3</sub> PO <sub>4</sub> Aqueous Solution. Japanese Journal of Applied Physics, 2013, 52, 098002.	1.5	11
72	Enhanced coercivity of half-metallic La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> by Ru substitution under in-plane uniaxial strain. Journal of Applied Physics, 2012, 111, 07B102.	2.5	2

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73	Fabrication of Nb-Doped TiO <sub>2</sub> Transparent Conducting Films by Postdeposition Annealing under Nitrogen Atmosphere. Japanese Journal of Applied Physics, 2012, 51, 118003.	1.5	6
74	Magnetic and dielectric properties of layered perovskite Gd <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> thin film epitaxially stabilized on a perovskite single crystal. Journal of Applied Physics, 2012, 111, .	2.5	6
75	Enhanced Carrier Generation in Nb-Doped SnO <sub>2</sub> Thin Films Grown on Strain-Inducing Substrates. Applied Physics Express, 2012, 5, 061201.	2.4	18
76	Metal-induced solid-phase crystallization of amorphous TiO <sub>2</sub> thin films. Applied Physics Letters, 2012, 101, 052101.	3.3	23
77	Transparent conductivity of fluorine-doped anatase TiO <sub>2</sub> epitaxial thin films. Journal of Applied Physics, 2012, 111, 093528.	2.5	25
78	Investigation of electronic states of infinite-layer SrFeO <sub>2</sub> epitaxial thin films by X-ray photoemission and absorption spectroscopies. Journal of Electron Spectroscopy and Related Phenomena, 2012, 184, 547-550.	1.7	9
79	Fabrication of Nb-Doped TiO <sub>2</sub> Transparent Conducting Films by Postdeposition Annealing under Nitrogen Atmosphere. Japanese Journal of Applied Physics, 2012, 51, 118003.	1.5	3
80	Crystallization Kinetics of Amorphous Sputtered Nb-Doped TiO <sub>2</sub> Thin Films. Applied Physics Express, 2011, 4, 105601.	2.4	8
81	Fabrication and Magnetic Properties of fcc-Co Nanorods Embedded in Epitaxial Thin Films of Anatase TiO <sub>2</sub> As a Transparent Matrix. Journal of Physical Chemistry C, 2011, 115, 1776-1779.	3.1	6
82	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. Applied Physics Express, 2011, 4, 045801.	2.4	21
83	Investigation of electrical and magnetic properties of triangular antiferromagnets. Journal of Applied Physics, 2011, 109, 07E133.	2.5	5
84	Fabrication of transparent conductive W-doped SnO <sub>2</sub> thin films on glass substrates using anatase TiO <sub>2</sub> seed layers. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 543-545.	0.8	25
85	Wet Etching of TiO <sub>2</sub> -Based Precursor Amorphous Films for Transparent Electrodes. Japanese Journal of Applied Physics, 2011, 50, 018002.	1.5	5
86	Carrier Doping into SrFeO <sub>2</sub> Epitaxial Thin Films by Eu-Substitution. Applied Physics Express, 2011, 4, 013001.	2.4	10
87	Carrier compensation mechanism in heavily Nb-doped anatase Ti <sub>1-x</sub> Nb <sub>x</sub> O <sub>2</sub> epitaxial thin films. Journal Physics D: Applied Physics, 2011, 44, 365404.	2.8	17
88	Wet Etching of TiO <sub>2</sub> -Based Precursor Amorphous Films for Transparent Electrodes. Japanese Journal of Applied Physics, 2011, 50, 018002.	1.5	6
89	High magnetic field effect in organic light emitting diodes. Organic Electronics, 2010, 11, 1212-1216.	2.6	7
90	Transparent conducting Nb-doped anatase TiO <sub>2</sub> (TNO) thin films sputtered from various oxide targets. Thin Solid Films, 2010, 518, 3101-3104.	1.8	51

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91	Fabrication of highly conductive Ta-doped SnO <sub>2</sub> polycrystalline films on glass using seed-layer technique by pulse laser deposition. Thin Solid Films, 2010, 518, 3093-3096.	1.8	34
92	Properties of TiO <sub>2</sub> -based transparent conducting oxides. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1529-1537.	1.8	165
93	High-Throughput Screening of Ultraviolet-Visible Magneto-optical Properties of Spinel Ferrite (Zn,Co)Fe <sub>2</sub> O <sub>4</sub> Solid Solution Epitaxial Film by a Composition-Spread Approach. Applied Physics Express, 2010, 3, 103001.	2.4	7
94	Transport properties and electronic states of anatase Ti <sub>1-x</sub> W <sub>x</sub> O <sub>2</sub> epitaxial thin films. Journal of Applied Physics, 2010, 107, 023705.	2.5	24
95	Magnetic and Transport Properties of Anatase TiO <sub>2</sub> Codoped with Fe and Nb. Applied Physics Express, 2010, 3, 043001.	2.4	8
96	Carrier Compensation by Excess Oxygen Atoms in Anatase Ti <sub>0.94</sub> Nb <sub>0.06</sub> O <sub>2</sub> Epitaxial Thin Films. Japanese Journal of Applied Physics, 2010, 49, 041102.	1.5	18
97	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. Applied Physics Express, 2010, 3, 031102.	2.4	44
98	Characterization of <sup>57</sup> Fe Implanted and Annealed SnO <sub>2</sub> (3 % Sb) Films by Depth Selective Conversion Electron Mössbauer Spectroscopy (DCEMS). Journal of Nuclear and Radiochemical Sciences, 2010, 11, 1-5.	0.7	5
99	Investigation of magnetic Co antidot array structure on anodic porous alumina. Journal of the Korean Physical Society, 2010, 56, 602-606.	0.7	1
100	Large electron mass anisotropy in an electron-based transparent conducting oxide: Nb-doped anatase TiO <sub>2</sub> films. Physical Review B, 2009, 79, .	3.2	63
101	Direct growth of transparent conducting Nb-doped anatase TiO <sub>2</sub> polycrystalline films on glass. Journal of Applied Physics, 2009, 105, .	2.5	70
102	Fabrication of EuTiO <sub>3</sub> Epitaxial Thin Films by Pulsed Laser Deposition. Japanese Journal of Applied Physics, 2009, 48, 100208.	1.5	11
103	Structural, electrical and optical properties of sputter-deposited Nb-doped TiO <sub>2</sub> (TNO) polycrystalline films. Thin Solid Films, 2008, 516, 5754-5757.	1.8	70
104	<sup>57</sup> Co-emission Mössbauer study on diluted magnetic semiconductor TiO <sub>2</sub> films. Hyperfine Interactions, 2008, 184, 69-74.	0.5	2
105	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
106	Ferromagnetic rutile Co <sub>x</sub> Ti <sub>1-x</sub> O <sub>2</sub> heteroepitaxy on wurtzite GaN and ZnO. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3104-3106.	0.8	1
107	Transparent conducting properties of anatase Ti <sub>0.94</sub> Nb <sub>0.06</sub> O <sub>2</sub> polycrystalline films on glass substrate. Thin Solid Films, 2008, 516, 5750-5753.	1.8	37
108	Electronic Band Structure of Transparent Conductor: Nb-Doped Anatase TiO <sub>2</sub> . Applied Physics Express, 2008, 1, 111203.	2.4	134

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109	One unit-cell seed layer induced epitaxial growth of heavily nitrogen doped anatase TiO <sub>2</sub> films. Journal Physics D: Applied Physics, 2008, 41, 062005.	2.8	16
110	Carrier Compensation Mechanism of Highly Conductive Anatase Ti <sub>0.94</sub> Nb <sub>0.06</sub> O <sub>2</sub> Epitaxial Thin Films. Materials Research Society Symposia Proceedings, 2008, 1074, 1.	0.1	1
111	Magnetotransport Properties of Fe/Pentacene/Co:TiO <sub>2</sub> 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
112	Heteroepitaxial growth of ferromagnetic rutile Co <sub>x</sub> Ti <sub>1-x</sub> O <sub>2</sub> on GaN (0001). Applied Physics Letters, 2008, 92, 042503.	3.3	1
113	<sup>57</sup> Co-emission Mössbauer study on diluted magnetic semiconductor TiO <sub>2</sub> films. , 2008, , 483-488.		0
114	Large Electron Mass Anisotropy in Anatase Ti <sub>1-x</sub> Nb <sub>x</sub> O <sub>2</sub> Transparent Conductor. , 2008, , .		0
115	Anatase phase stability and doping concentration dependent refractivity in codoped transparent conducting TiO <sub>2</sub> films. Journal Physics D: Applied Physics, 2007, 40, 5961-5964.	2.8	19
116	Fabrication of TiO <sub>2</sub> -Based Transparent Conducting Oxide Films on Glass by Pulsed Laser Deposition. Japanese Journal of Applied Physics, 2007, 46, L86-L88.	1.5	68
117	Transport properties of d-electron-based transparent conducting oxide: Anatase Ti <sub>1-x</sub> Nb <sub>x</sub> O <sub>2</sub> . Journal of Applied Physics, 2007, 101, 093705.	2.5	115
118	Fabrication of Low Resistivity Nb-doped TiO <sub>2</sub> Transparent Conductive Polycrystalline Films on Glass by Reactive Sputtering. Japanese Journal of Applied Physics, 2007, 46, 5275.	1.5	86
119	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. Applied Physics Letters, 2007, 90, 212106.	3.3	146
120	Quantitative analysis of thin-film conductivity by scanning microwave microscope. Applied Surface Science, 2007, 254, 757-759.	6.1	5
121	CEMS study on diluted magneto titanium oxide films prepared by pulsed laser deposition. Hyperfine Interactions, 2007, 168, 1065-1071.	0.5	23
122	Carrier induced ferromagnetism in Nb doped Co:TiO <sub>2</sub> and Fe:TiO <sub>2</sub> epitaxial thin film. Journal of Applied Physics, 2006, 99, 08M121.	2.5	26
123	Magnetic Properties of Rutile Ti <sub>1-x</sub> Fe <sub>x</sub> O <sub>2</sub> Epitaxial Thin Films. Japanese Journal of Applied Physics, 2006, 45, L114-L116.	1.5	13
124	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
125	Novel transparent conducting oxide: Anatase Ti <sub>1-x</sub> Nb <sub>x</sub> O <sub>2</sub> . Thin Solid Films, 2006, 496, 157-159.	1.8	90
126	Enhancement of Magneto-Optical Properties of Anatase Co:TiO <sub>2</sub> Co-Doped with Nb. Japanese Journal of Applied Physics, 2006, 45, L387-L389.	1.5	6



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127	Intrinsic Faraday spectra of ferromagnetic rutile $\text{Ti}_{1-x}\text{Co}_x\text{O}_2$ . Applied Physics Letters, 2006, 88, 252508.	3.3	19
128	New transparent conductors anatase $\text{Ti}_{1-x}\text{M}_x\text{O}_2$ (M=Nb,Ta): transport and optical properties. Materials Research Society Symposia Proceedings, 2005, 905, 1.	0.1	0
129	Heteroepitaxial Growth of Rutile $\text{TiO}_2$ on GaN(0001) by Pulsed Laser Deposition. Japanese Journal of Applied Physics, 2005, 44, L1503-L1505.	1.5	20
130	Second Harmonic Generation-Based Coherent Vibrational Spectroscopy for a Liquid Interface under the Nonresonant Pump Condition. Journal of Physical Chemistry B, 2005, 109, 13063-13066.	2.6	11
131	Ta-doped Anatase $\text{TiO}_2$ Epitaxial Film as Transparent Conducting Oxide. Japanese Journal of Applied Physics, 2005, 44, L1063-L1065.	1.5	144
132	A transparent metal: Nb-doped anatase $\text{TiO}_2$ . Applied Physics Letters, 2005, 86, 252101.	3.3	741
133	Ultrafast dynamics of a solution in spatially restricted environments studied by photothermal spectroscopies. Chemical Record, 2004, 4, 331-345.	5.8	3
134	The Ultrafast Relaxation Dynamics of a Viscosity Probe Molecule in an AOT-Reversed Micelle: Contribution of the Specific Interactions with the Local Environment. Journal of Physical Chemistry B, 2004, 108, 9070-9076.	2.6	45
135	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
136	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
137	Ultrafast transient lens spectroscopy of photoisomerization dynamics of azocompounds in confined nanospace of cyclodextrins. Review of Scientific Instruments, 2003, 74, 907-909.	1.3	18
138	Ultrafast dynamics of aqueous solutions in size-controlled reverse micelles. Review of Scientific Instruments, 2003, 74, 898-900.	1.3	7
139	Effect of Potential Energy Gap between the $n\text{-}\tilde{\epsilon}^*$ and the $\tilde{\epsilon}\text{-}\tilde{\epsilon}^*$ State on Ultrafast Photoisomerization Dynamics of an Azobenzene Derivative. Journal of Physical Chemistry A, 2002, 106, 3067-3071.	2.5	73
140	Femtosecond Time-Resolved Spectroscopy of Photoisomerization of Methyl Orange in Cyclodextrins. Journal of Physical Chemistry A, 2001, 105, 11395-11399.	2.5	39
141	Ultrafast refractive index change induced by photoisomerization of an azobenzene derivative: contribution of solvation dynamics of solvent molecules. Chemical Physics Letters, 2001, 341, 29-34.	2.6	10
142	Quantitative Conductivity Mapping of $\text{SrTiO}_3/\text{LaAlO}_3/\text{LaTiO}_3$ Ternary Composition-Spread Thin Film by Scanning Microwave Microscope. Applied Physics Express, 0, 1, 055003.	2.4	7
143	Preparation of Layered-Rhombohedral $\text{LiCoO}_2$ Epitaxial Thin Films Using Pulsed Laser Deposition. Applied Physics Express, 0, 2, 085502.	2.4	36