

Toshio Kamiya

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

236 papers	27,342 citations	74 h-index	163 g-index
249 ext. papers	29,538 ext. citations	4 avg, IF	6.9 L-index

#	Paper	IF	Citations
236	Widely bandgap tunable amorphous CdTe oxide semiconductors exhibiting electron mobilities $10 \text{ cm}^2 \text{ V}^{-1} \text{ s}^{-1}$. <i>Applied Physics Letters</i> , 2015 , 106, 082106	3.4	13
235	Vortex Pinning Properties of Phosphorous-Doped $\text{BaFe}_{1-x}\text{As}_x$ Epitaxial Films: Comparison Between $(\text{La}, \text{Sr})(\text{Al}, \text{Ta})\text{O}_3$ and MgO Substrates. <i>IEEE Transactions on Applied Superconductivity</i> , 2015 , 25, 1-5	1.8	6
234	Analysis of various types of single-polypeptide-chain (sc) heterodimeric AR/DR complexes and their allosteric receptor-receptor interactions. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 456, 573-9	3.4	0
233	Growth of high-quality SnS epitaxial films by H ₂ S flow pulsed laser deposition. <i>Applied Physics Letters</i> , 2014 , 104, 072106	3.4	27
232	Positive Gate Bias Instability Induced by Diffusion of Neutral Hydrogen in Amorphous In-Ga-Zn-O Thin-Film Transistor. <i>IEEE Electron Device Letters</i> , 2014 , 35, 832-834	4.4	20
231	Two-Dimensional Transition-Metal Electride Y ₂ C. <i>Chemistry of Materials</i> , 2014 , 26, 6638-6643	9.6	113
230	Narrow bandgap in BaZnAs_2 and its chemical origins. <i>Journal of the American Chemical Society</i> , 2014 , 136, 14959-65	16.4	25
229	Growth of c-axis-oriented superconducting KFeAs thin films. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 14293-301	9.5	11
228	Epitaxial growth and electronic structure of a layered zinc pnictide semiconductor, BaZn_2As_2 . <i>Thin Solid Films</i> , 2014 , 559, 100-104	2.2	10
227	Fabrication and characterization of $\text{ZnS}:(\text{Cu}, \text{Al})$ thin film phosphors on glass substrates by pulsed laser deposition. <i>Thin Solid Films</i> , 2014 , 559, 18-22	2.2	10
226	Electric double-layer transistor using layered iron selenide Mott insulator $\text{TlFe}_{1.6}\text{Se}_2$. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 3979-83	11.5	26
225	. <i>Journal of Display Technology</i> , 2014 , 10, 979-983		15
224	High critical-current density with less anisotropy in $\text{BaFe}_2(\text{As}, \text{P})_2$ epitaxial thin films: Effect of intentionally grown c-axis vortex-pinning centers. <i>Applied Physics Letters</i> , 2014 , 104, 182603	3.4	41
223	Roles of Hydrogen in Amorphous Oxide Semiconductor In-Ga-Zn-O: Comparison of Conventional and Ultra-High-Vacuum Sputtering. <i>ECS Journal of Solid State Science and Technology</i> , 2014 , 3, Q3085-Q3090	3.2	43
222	. <i>Journal of Display Technology</i> , 2014 , 10, 975-978		12
221	Critical factor for epitaxial growth of cobalt-doped BaFe_2As_2 films by pulsed laser deposition. <i>Applied Physics Letters</i> , 2014 , 104, 172602	3.4	22
220	Superconductivity in noncentrosymmetric ternary equiatomic pnictides LaMP ($\text{M} = \text{Ir}$ and Rh ; $\text{P} = \text{P}$ and As). <i>Physical Review B</i> , 2014 , 89,	3.3	32

219	Film Texture, Hole Transport and Field-Effect Mobility in Polycrystalline SnO Thin Films on Glass. <i>ECS Journal of Solid State Science and Technology</i> , 2014 , 3, Q3040-Q3044	2	28
218	Mobility- and temperature-dependent device model for amorphous InGaZnO thin-film transistors. <i>Thin Solid Films</i> , 2014 , 559, 40-43	2.2	30
217	Unusual pressure effects on the superconductivity of indirectly electron-doped (Ba _{1-x} La _x)Fe ₂ As ₂ epitaxial films. <i>Physical Review B</i> , 2013 , 88,	3.3	16
216	Superconducting Properties and Phase Diagram of Indirectly Electron-Doped $(\text{Sr}_{1-x}\text{La}_x)\text{Fe}_2\text{As}_2$ Epitaxial Films Grown by Pulsed Laser Deposition. <i>IEEE Transactions on Applied Superconductivity</i> , 2013 , 23, 7300405-7300405	1.8	13
215	Surface reactivity and oxygen migration in amorphous indium-gallium-zinc oxide films annealed in humid atmosphere. <i>Applied Physics Letters</i> , 2013 , 103, 201904	3.4	26
214	Magnetic structure and electromagnetic properties of LnCrAsO with a ZrCuSiAs-type structure (Ln = La, Ce, Pr, and Nd). <i>Inorganic Chemistry</i> , 2013 , 52, 13363-8	5.1	23
213	Magnetic scattering and electron pair breaking by rare-earth-ion substitution in BaFe ₂ As ₂ epitaxial films. <i>New Journal of Physics</i> , 2013 , 15, 073019	2.9	18
212	Effects of Diffusion of Hydrogen and Oxygen on Electrical Properties of Amorphous Oxide Semiconductor, In-Ga-Zn-O. <i>ECS Journal of Solid State Science and Technology</i> , 2013 , 2, P5-P8	2	152
211	Anomalous scaling behavior in a mixed-state Hall effect of a cobalt-doped BaFe ₂ As ₂ epitaxial film with a high critical current density over 1 MA/cm ² . <i>Physical Review B</i> , 2013 , 87,	3.3	14
210	P.3: 3-D Stacked Complementary TFT Devices using n-type HfGZO and p-type F8T2 TFTs □ Operation Confirmation of NOT and NAND Logic Circuits □ <i>Digest of Technical Papers SID International Symposium</i> , 2013 , 44, 995-998	0.5	1
209	4.1: Invited Paper: Electronic Structure, Carrier Transport, Defects and Impurities in Amorphous Oxide Semiconductor. <i>Digest of Technical Papers SID International Symposium</i> , 2013 , 44, 11-13	0.5	3
208	P.142L: Late-News Poster: Electron Injecting Material for OLEDs driven by Oxide TFTs: Amorphous C12A7 Electride. <i>Digest of Technical Papers SID International Symposium</i> , 2013 , 44, 1473-1476	0.5	6
207	Hydrogen passivation of electron trap in amorphous In-Ga-Zn-O thin-film transistors. <i>Applied Physics Letters</i> , 2013 , 103, 202114	3.4	92
206	Apparent high mobility ~30 cm ² /Vs of amorphous InGaZnO thin-film transistor and its origin. <i>Journal of the Ceramic Society of Japan</i> , 2013 , 121, 295-298	1	4
205	Microstructure and transport properties of [001]-tilt bicrystal grain boundaries in iron pnictide superconductor, cobalt-doped BaFe ₂ As ₂ . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012 , 177, 515-519	3.1	32
204	Superconducting compounds with metallic square net. <i>Solid State Communications</i> , 2012 , 152, 666-670	1.6	6
203	Operation model with carrier-density dependent mobility for amorphous InGaZnO thin-film transistors. <i>Thin Solid Films</i> , 2012 , 520, 3791-3795	2.2	11
202	Effects of low-temperature ozone annealing on operation characteristics of amorphous InGaZnO thin-film transistors. <i>Thin Solid Films</i> , 2012 , 520, 3787-3790	2.2	30

201	Photovoltaic properties of n-type amorphous InGaZnO and p-type single crystal Si heterojunction solar cells: Effects of Ga content. <i>Thin Solid Films</i> , 2012 , 520, 3808-3812	2.2	18
200	Stability and high-frequency operation of amorphous InGaZnO thin-film transistors with various passivation layers. <i>Thin Solid Films</i> , 2012 , 520, 3778-3782	2.2	69
199	Amorphous InGaZnO Dual-Gate TFTs: Current-Voltage Characteristics and Electrical Stress Instabilities. <i>IEEE Transactions on Electron Devices</i> , 2012 , 59, 1928-1935	2.9	40
198	Doping effects in amorphous oxides. <i>Journal of the Ceramic Society of Japan</i> , 2012 , 120, 447-457	1	30
197	Optical evidence for quantization in transparent amorphous oxide semiconductor superlattice. <i>Physical Review B</i> , 2012 , 86,	3.3	18
196	Band alignment of InGaZnO ₄ /Si interface by hard x-ray photoelectron spectroscopy. <i>Journal of Applied Physics</i> , 2012 , 112, 033713	2.5	33
195	Structural relaxation in amorphous oxide semiconductor, a-In-Ga-Zn-O. <i>Journal of Applied Physics</i> , 2012 , 111, 073513	2.5	74
194	Thin Film Growth and Device Fabrication of Iron-Based Superconductors. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 011011	1.5	47
193	Maximum applied voltage detector using amorphous InGaZnO thin-film transistor exposed to ozone annealing. <i>Solid-State Electronics</i> , 2012 , 75, 74-76	1.7	4
192	Electron injection barriers between air-stable electride with low work function, C12A7:e ⁻ and pentacene, C60 and copper phthalocyanine. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4278		21
191	Light Irradiation History Sensor Using Amorphous In-Ga-Zn-O Thin-Film Transistor Exposed to Ozone Annealing. <i>IEEE Electron Device Letters</i> , 2012 , 33, 384-386	4.4	6
190	Thin film growth by pulsed laser deposition and properties of 122-type iron-based superconductor AE(Fe _{1-x} Cox) ₂ As ₂ (AE=alkaline earth). <i>Superconductor Science and Technology</i> , 2012 , 25, 084015	3.1	41
189	Identical effects of indirect and direct electron doping of superconducting BaFe ₂ As ₂ thin films. <i>Physical Review B</i> , 2012 , 85,	3.3	41
188	Highly stable amorphous In-Ga-Zn-O thin-film transistors produced by eliminating deep subgap defects. <i>Applied Physics Letters</i> , 2011 , 99, 053505	3.4	139
187	Effects of excess oxygen on operation characteristics of amorphous In-Ga-Zn-O thin-film transistors. <i>Applied Physics Letters</i> , 2011 , 99, 093507	3.4	166
186	Bipolar Conduction in SnO Thin Films. <i>Electrochemical and Solid-State Letters</i> , 2011 , 14, H13		132
185	Advantageous grain boundaries in iron pnictide superconductors. <i>Nature Communications</i> , 2011 , 2, 409	17.4	212
184	A germanate transparent conductive oxide. <i>Nature Communications</i> , 2011 , 2, 470	17.4	75

183	Simple Analytical Model of On Operation of Amorphous InGaZnO Thin-Film Transistors. <i>IEEE Transactions on Electron Devices</i> , 2011 , 58, 3463-3471	2.9	47
182	Solid-phase epitaxial growth of (111)-oriented Si film on InGaO ₃ (ZnO) ₅ buffer layer. <i>Journal of Materials Science: Materials in Electronics</i> , 2011 , 22, 920-923	2.1	
181	Excimer laser crystallization of InGaZnO ₄ on SiO ₂ substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2011 , 22, 1694-1696	2.1	6
180	Ambipolar oxide thin-film transistor. <i>Advanced Materials</i> , 2011 , 23, 3431-4	24	207
179	LaCo ₂ B ₂ : a Co-based layered superconductor with a ThCr ₂ Si ₂ -type structure. <i>Physical Review Letters</i> , 2011 , 106, 237001	7.4	29
178	. <i>IEEE Electron Device Letters</i> , 2011 , 32, 1695-1697	4.4	69
177	Depth analysis of subgap electronic states in amorphous oxide semiconductor, a-In-Ga-Zn-O, studied by hard x-ray photoelectron spectroscopy. <i>Journal of Applied Physics</i> , 2011 , 109, 073726	2.5	141
176	Biaxially textured cobalt-doped BaFe ₂ As ₂ films with high critical current density over 1 MA/cm ² on MgO-buffered metal-tape flexible substrates. <i>Applied Physics Letters</i> , 2011 , 98, 242510	3.4	105
175	New functionalities in abundant element oxides: ubiquitous element strategy. <i>Science and Technology of Advanced Materials</i> , 2011 , 12, 034303	7.1	30
174	Electronic Structure and Photovoltaic Properties of n-Type Amorphous In-Ga-Zn-O and p-Type Single Crystal Si Heterojunctions. <i>Electrochemical and Solid-State Letters</i> , 2011 , 14, H346		10
173	Operation Characteristics of Thin-Film Transistors Using Very Thin Amorphous InGaZnO Channels. <i>Electrochemical and Solid-State Letters</i> , 2011 , 14, H197		43
172	Josephson junction in cobalt-doped BaFe ₂ As ₂ epitaxial thin films on (La,Sr)(Al,Ta)O ₃ bicrystal substrates. <i>Applied Physics Letters</i> , 2010 , 96, 142507	3.4	66
171	Large Photoresponse in Amorphous InGaZnO and Origin of Reversible and Slow Decay. <i>Electrochemical and Solid-State Letters</i> , 2010 , 13, H324		54
170	Sputtering formation of p-type SnO thin-film transistors on glass toward oxide complimentary circuits. <i>Applied Physics Letters</i> , 2010 , 97, 072111	3.4	165
169	Three-dimensionally stacked flexible integrated circuit: Amorphous oxide/polymer hybrid complementary inverter using n-type a-InGaZnO and p-type poly-(9,9-dioctylfluorene-co-bithiophene) thin-film transistors. <i>Applied Physics Letters</i> , 2010 , 96, 263509	3.4	81
168	Intrinsic carrier mobility in amorphous InGaZnO thin-film transistors determined by combined field-effect technique. <i>Applied Physics Letters</i> , 2010 , 96, 262105	3.4	48
167	Origins of hole doping and relevant optoelectronic properties of wide gap p-type semiconductor, LaCuOSe. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15060-7	16.4	36
166	Present status of amorphous In-Ga-Zn-O thin-film transistors. <i>Science and Technology of Advanced Materials</i> , 2010 , 11, 044305	7.1	1287

165	Fabrication of Atomically Flat ScAlMgO ₄ Epitaxial Buffer Layer and Low-Temperature Growth of High-Mobility ZnO Films. <i>Crystal Growth and Design</i> , 2010 , 10, 1084-1089	3.5	5
164	Material characteristics and applications of transparent amorphous oxide semiconductors. <i>NPG Asia Materials</i> , 2010 , 2, 15-22	10.3	664
163	Origin of definite Hall voltage and positive slope in mobility-donor density relation in disordered oxide semiconductors. <i>Applied Physics Letters</i> , 2010 , 96, 122103	3.4	121
162	High Critical Current Density 4 MA/cm ² in Co-Doped BaFe ₂ As ₂ Epitaxial Films Grown on (La,Sr)(Al,Ta)O ₃ Substrates without Buffer Layers. <i>Applied Physics Express</i> , 2010 , 3, 063101	2.4	81
161	Fabrication and electron transport properties of epitaxial films of electron-doped 12CaO \cdot 7Al ₂ O ₃ and 12SrO \cdot 7Al ₂ O ₃ . <i>Journal of Solid State Chemistry</i> , 2010 , 183, 385-391	3.3	17
160	Electrical and magnetic properties of quaternary compounds LnMnPO (Ln=Nd, Sm, Gd) with ZrCuSiAs-type structure. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010 , 173, 47-50	3.1	7
159	Breast cancer stem cells. <i>Breast Cancer</i> , 2010 , 17, 80-5	3.4	70
158	Impurities in FeAs-based superconductor, SrFe ₂ As ₂ , studied by first-principles calculations. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010 , 173, 244-247	3.1	4
157	Electronic structures of MnP-based crystals: LaMnOP, BaMn ₂ P ₂ , and KMnP. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2010 , 173, 239-243	3.1	6
156	Comprehensive studies on the stabilities of a-In-Ga-Zn-O based thin film transistor by constant current stress. <i>Thin Solid Films</i> , 2010 , 518, 3012-3016	2.2	45
155	Steady-state photoconductivity of amorphous InGaZnO. <i>Thin Solid Films</i> , 2010 , 518, 3000-3003	2.2	16
154	Fabrication of GaN epitaxial thin film on InGaZnO ₄ single-crystalline buffer layer. <i>Thin Solid Films</i> , 2010 , 518, 2996-2999	2.2	3
153	Device characteristics improvement of a-InGaZnO TFTs by low-temperature annealing. <i>Thin Solid Films</i> , 2010 , 518, 3017-3021	2.2	80
152	Origin of high-density hole doping and anisotropic hole transport in a wide gap layered semiconductor LaCuOSe studied by first-principles calculations. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010 , 207, 1636-1641	1.6	6
151	Subgap states, doping and defect formation energies in amorphous oxide semiconductor a-InGaZnO ₄ studied by density functional theory. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010 , 207, 1698-1703	1.6	127
150	Water-induced superconductivity in SrFe ₂ As ₂ . <i>Physical Review B</i> , 2009 , 80,	3.3	64
149	First-principles study of native point defects in crystalline indium gallium zinc oxide. <i>Journal of Applied Physics</i> , 2009 , 105, 093712	2.5	65
148	Amorphous InGaZnO coplanar homojunction thin-film transistor. <i>Applied Physics Letters</i> , 2009 , 94, 133502	3.4	150

147	Humidity-Sensitive Electrical Conductivity in $\text{Ca}_{12}\text{Al}_{14}\text{Si}_x\text{O}_{32}\text{Cl}_{2+x}$ (0.4) Ceramics. <i>Electrochemical and Solid-State Letters</i> , 2009 , 12, J11		11
146	Origins of threshold voltage shifts in room-temperature deposited and annealed a-InGaZnO thin-film transistors. <i>Applied Physics Letters</i> , 2009 , 95, 013502	3.4	295
145	Large domain growth of GaN epitaxial films on lattice-matched buffer layer ScAlMgO_4 . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009 , 161, 66-70	3.1	5
144	Electronic structure of the amorphous oxide semiconductor a-InGaZnO ₄ : Tauc-Lorentz optical model and origins of subgap states. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009 , 206, 860-867	1.6	183
143	Tin monoxide as an s-orbital-based p-type oxide semiconductor: Electronic structures and TFT application. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009 , 206, 2187-2191	1.6	185
142	Effects of post-annealing on (110) Cu ₂ O epitaxial films and origin of low mobility in Cu ₂ O thin-film transistor. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009 , 206, 2192-2197	1.6	59
141	Bistable resistance switching in surface-oxidized C12A7:e single-crystal. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009 , 161, 76-79	3.1	16
140	Amorphous InGaZn-O thin-film transistor with coplanar homojunction structure. <i>Thin Solid Films</i> , 2009 , 518, 1309-1313	2.2	50
139	Atomically-flat, chemically-stable, superconducting epitaxial thin film of iron-based superconductor, cobalt-doped BaFe ₂ As ₂ . <i>Solid State Communications</i> , 2009 , 149, 2121-2124	1.6	65
138	Layered mixed-anion compounds: Epitaxial growth, active function exploration, and device application. <i>Journal of the European Ceramic Society</i> , 2009 , 29, 245-253	6	17
137	Heteroepitaxial film growth of layered compounds with the ZrCuSiAs-type and ThCr ₂ Si ₂ -type structures: From Cu-based semiconductors to Fe-based superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2009 , 469, 657-666	1.3	37
136	Origins of High Mobility and Low Operation Voltage of Amorphous Oxide TFTs: Electronic Structure, Electron Transport, Defects and Doping. <i>Journal of Display Technology</i> , 2009 , 5, 273-288		371
135	Electronic Structures Above Mobility Edges in Crystalline and Amorphous In-Ga-Zn-O: Percolation Conduction Examined by Analytical Model. <i>Journal of Display Technology</i> , 2009 , 5, 462-467		185
134	Antiferromagnetic bipolar semiconductor LaMnPO with ZrCuSiAs-type structure. <i>Journal of Applied Physics</i> , 2009 , 105, 093916	2.5	44
133	Low Threshold Voltage and Carrier Injection Properties of Inverted Organic Light-Emitting Diodes with $[\text{Ca}_{24}\text{Al}_{28}\text{O}_{64}]^{4+}(4e^-)$ Cathode and Cu ₂ Se Anode. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18379-18384	3.8	42
132	Epitaxial film growth and optoelectrical properties of layered semiconductors, LaMnXO (X=P, As, and Sb). <i>Journal of Applied Physics</i> , 2009 , 105, 073903	2.5	30
131	Trap densities in amorphous-InGaZnO ₄ thin-film transistors. <i>Applied Physics Letters</i> , 2008 , 92, 133512	3.4	254
130	Solid State Syntheses of $12\text{SrO} \cdot \text{Al}_2\text{O}_3$ and Formation of High Density Oxygen Radical Anions, O_2^- and $\text{O}_2^{\cdot-}$. <i>Chemistry of Materials</i> , 2008 , 20, 5987-5996	9.6	27

129	Crystal Structures, Optoelectronic Properties, and Electronic Structures of Layered Oxychalcogenides MCuOCh ($\text{M} = \text{Bi, La}$; $\text{Ch} = \text{S, Se, Te}$): Effects of Electronic Configurations of M^{3+} Ions. <i>Chemistry of Materials</i> , 2008 , 20, 326-334	9.6	227
128	Localized and Delocalized Electrons in Room-Temperature Stable Electride $[\text{Ca}_{24}\text{Al}_{28}\text{O}_{64}]^{4+}(\text{O}^{2-})_{2-x}(\text{e}^{-})_{2x}$: Analysis of Optical Reflectance Spectra. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 4753-4760	3.8	51
127	ZnO-Based Semiconductors as Building Blocks for Active Devices. <i>MRS Bulletin</i> , 2008 , 33, 1061-1066	3.2	41
126	Thin film and bulk fabrication of room-temperature-stable electride C_{12}A_7 : utilizing reduced amorphous $12\text{CaO} \cdot \text{Al}_2\text{O}_3(\text{C}_{12}\text{A}_7)$. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 2772-2776	3.9	23
125	Factors controlling electron transport properties in transparent amorphous oxide semiconductors. <i>Journal of Non-Crystalline Solids</i> , 2008 , 354, 2796-2800	3.9	152
124	p-channel thin-film transistor using p-type oxide semiconductor, SnO . <i>Applied Physics Letters</i> , 2008 , 93, 032113	3.4	491
123	Modeling of amorphous InGaZnO_4 thin film transistors and their subgap density of states. <i>Applied Physics Letters</i> , 2008 , 92, 133503	3.4	289
122	Electromagnetic properties and electronic structure of the iron-based layered superconductor LaFePO . <i>Physical Review B</i> , 2008 , 77,	3.3	68
121	Optical and electrical properties of amorphous zinc tin oxide thin films examined for thin film transistor application. <i>Journal of Vacuum Science & Technology B</i> , 2008 , 26, 495		89
120	Epitaxial growth of high mobility Cu_2O thin films and application to p-channel thin film transistor. <i>Applied Physics Letters</i> , 2008 , 93, 202107	3.4	193
119	Superconductivity in Epitaxial Thin Films of Co-Doped SrFe_2As_2 with Bilayered FeAs Structures and their Magnetic Anisotropy. <i>Applied Physics Express</i> , 2008 , 1, 101702	2.4	101
118	Optical and Carrier Transport Properties of Cosputtered ZnInSnO Films and Their Applications to TFTs. <i>Journal of the Electrochemical Society</i> , 2008 , 155, H390	3.9	57
117	Subgap states in transparent amorphous oxide semiconductor, InGaZnO , observed by bulk sensitive x-ray photoelectron spectroscopy. <i>Applied Physics Letters</i> , 2008 , 92, 202117	3.4	268
116	Itinerant ferromagnetism in the layered crystals LaCoOX ($\text{X} = \text{P, As}$). <i>Physical Review B</i> , 2008 , 77,	3.3	129
115	Defect passivation and homogenization of amorphous oxide thin-film transistor by wet O_2 annealing. <i>Applied Physics Letters</i> , 2008 , 93, 192107	3.4	243
114	Characterization of copper selenide thin film hole-injection layers deposited at room temperature for use with p-type organic semiconductors. <i>Journal of Applied Physics</i> , 2008 , 104, 113723	2.5	14
113	Heteroepitaxial growth and optoelectronic properties of layered iron oxyarsenide, LaFeAsO . <i>Applied Physics Letters</i> , 2008 , 93, 162504	3.4	88
112	Amorphous oxide channel TFTs. <i>Thin Solid Films</i> , 2008 , 516, 1516-1522	2.2	155

111	Heteroepitaxial growth of layered semiconductors, LaZnOPn (Pn = P and As). <i>Thin Solid Films</i> , 2008 , 516, 5800-5804	2.2	36
110	Specific contact resistances between amorphous oxide semiconductor InGaZnO and metallic electrodes. <i>Thin Solid Films</i> , 2008 , 516, 5899-5902	2.2	171
109	Control of carrier concentration and surface flattening of CuGaO ₂ epitaxial films for a p-channel transparent transistor. <i>Thin Solid Films</i> , 2008 , 516, 5790-5794	2.2	32
108	Electronic structure of oxygen deficient amorphous oxide semiconductor a-InGaZnO _{4-x} : Optical analyses and first-principle calculations. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2008 , 5, 3098-3100		187
107	Electrical and optical properties of copper-based chalcogenide thin films deposited by pulsed laser deposition at room temperature: Toward p-channel thin film transistor fabricable at room temperature. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 2007-2012	1.6	5
106	Amorphous SnGaZnO channel thin-film transistors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 1920-1924	1.6	34
105	Low and small resistance hole-injection barrier for NPB realized by wide-gap p-type degenerate semiconductor, LaCuOSe:Mg. <i>Organic Electronics</i> , 2008 , 9, 890-894	3.5	28
104	Nickel-based layered superconductor, LaNiOAs. <i>Journal of Solid State Chemistry</i> , 2008 , 181, 2117-2120	3.3	86
103	Electronic and magnetic properties of layered LnFePO (Ln=La and Ce). <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 2916-2918	3.9	13
102	Nickel-based phosphide superconductor with infinite-layer structure, BaNi ₂ P ₂ . <i>Solid State Communications</i> , 2008 , 147, 111-113	1.6	110
101	Fabrication of ScAlMgO ₄ epitaxial thin films using ScGaO ₃ (ZnO) _m buffer layers and its application to lattice-matched buffer layer for ZnO epitaxial growth. <i>Thin Solid Films</i> , 2008 , 516, 5842-5846	2.2	4
100	Apparent bipolarity and Seebeck sign inversion in a layered semiconductor: LaZnOP. <i>Physical Review B</i> , 2007 , 76,	3.3	27
99	Metallic state in a lime-alumina compound with nanoporous structure. <i>Nano Letters</i> , 2007 , 7, 1138-43	11.5	183
98	Local coordination structure and electronic structure of the large electron mobility amorphous oxide semiconductor In-Ga-Zn-O: Experiment and ab initio calculations. <i>Physical Review B</i> , 2007 , 75,	3.3	252
97	Structural and photo-induced properties of Eu ²⁺ -doped Ca ₂ ZnSi ₂ O ₇ : A red phosphor for white light generation by blue ray excitation. <i>Journal of Luminescence</i> , 2007 , 122-123, 339-341	3.8	17
96	Optoelectronic properties and electronic structure of YCuOSe. <i>Journal of Applied Physics</i> , 2007 , 102, 113714	2.5	18
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