

# Seoung Gil Yoon

## List of Publications by Year in Descending Order

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**Version:** 2024-04-09

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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.

326 papers	4,405 citations	34 h-index	44 g-index
341 ext. papers	5,033 ext. citations	4.1 avg, IF	5.68 L-index

#	Paper	IF	Citations
326	Diffusion-enhanced preferential growth of m-oriented GaN micro-domains on directly grown graphene with a large domain size on Ti/SiO <sub>2</sub> /Si(001). <i>Materials Today Communications</i> , <b>2022</b> , 30, 103113	3.5	0
325	TCO-free perovskite solar cells in taking advantage of SWCNT/TiO <sub>2</sub> core/shell sponge. <i>Journal of Science: Advanced Materials and Devices</i> , <b>2022</b> , 7, 100440	4.2	
324	Synergistic Contribution of Flexoelectricity and Piezoelectricity Towards a Stretchable Robust Nanogenerator for Wearable Electronics. <i>Nano Energy</i> , <b>2021</b> , 106691	17.1	6
323	Water-Resistant and Antibacterial Zinc Aluminate Films: Application of Antibacterial Thin Film Capacitors. <i>ACS Applied Electronic Materials</i> , <b>2021</b> , 3, 1429-1436	4	0
322	Unprecedented flexibility of in-situ layer-by-layer stacked graphene with ultralow sheet resistance. <i>Nano Today</i> , <b>2021</b> , 37, 101105	17.9	3
321	Engineering Chemical Vapor Deposition for Lead-Free Perovskite-Inspired MA <sub>3</sub> Bi <sub>2</sub> I <sub>9</sub> Self-Powered Photodetectors with High Performance and Stability. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100192	8.1	7
320	ZnAl <sub>2</sub> LDH-induced electroactive $\beta$ -phase and controlled dielectrics of PVDF for a high-performance triboelectric nanogenerator for humidity and pressure sensing applications. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 15993-16005	13	10
319	Direct Growth of Highly Conductive Large-Area Stretchable Graphene. <i>Advanced Science</i> , <b>2021</b> , 8, 2003693	3.6	5
318	Ensemble Design of Electrode-Electrolyte Interfaces: Toward High-Performance Thin-Film All-Solid-State Li-Metal Batteries. <i>ACS Nano</i> , <b>2021</b> , 15, 4561-4575	16.7	10
317	The Recent Progress on Halide Perovskite-Based Self-Powered Sensors Enabled by Piezoelectric and Triboelectric Effects. <i>Nanoenergy Advances</i> , <b>2021</b> , 1, 3-31		9
316	High-Performance Flexible Ultraviolet Photodetectors Based on Facilely Synthesized Ecofriendly ZnAl <sub>2</sub> LDH Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 61434-61446	9.5	0
315	Structural, Optical and Electrical Properties of HfO <sub>2</sub> Thin Films Deposited at Low-Temperature Using Plasma-Enhanced Atomic Layer Deposition. <i>Materials</i> , <b>2020</b> , 13,	3.5	17
314	Unveiling Predominant Air-Stable Organotin Bromide Perovskite toward Mechanical Energy Harvesting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 16469-16480	9.5	23
313	Transfer-Free, Large-Scale, High-Quality Monolayer Graphene Grown Directly onto the Ti (10 nm)-buffered Substrates at Low Temperatures. <i>Korean Journal of Materials Research</i> , <b>2020</b> , 30, 142-148	0.2	0
312	CVD-deposited hybrid lead halide perovskite films for high-responsivity, self-powered photodetectors with enhanced photo stability under ambient conditions. <i>Nano Energy</i> , <b>2020</b> , 74, 104872	17.1	29
311	Comparative study of hybrid perovskite phototransistors based on CVD-grown and spin-coated MAPbI <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 815, 152404	5.7	7
310	Bromine Doping of MAPbI <sub>3</sub> Films Deposited via Chemical Vapor Deposition Enables Efficient and Photo-Stable Self-Powered Photodetectors. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000845	8.1	16

309	Halide (Cl/Br)-Incorporated Organic-Inorganic Metal Trihalide Perovskite Films: Study and Investigation of Dielectric Properties and Mechanical Energy Harvesting Performance. <i>ACS Applied Electronic Materials</i> , <b>2020</b> , 2, 2579-2590	4	15
308	Light-Driven Piezo- and Triboelectricity in Organic-Inorganic Metal Trihalide Perovskite toward Mechanical Energy Harvesting and Self-powered Sensor Application. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 50472-50483	9.5	20
307	Strategic extended air stability of organolead halide perovskite nonvolatile memory devices. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 811, 151999	5.7	14
306	Transfer-free graphene electrodes for super-flexible and semi-transparent perovskite solar cells fabricated under ambient air. <i>Nano Energy</i> , <b>2019</b> , 65, 104018	17.1	43
305	Scale-Up Synthesis of Organometal Halide Perovskite Nanocrystals (MAPbX <sub>3</sub> , X = Cl, Br, and I). <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 19369-19374	8.3	13
304	Effect of SiC Nanorods on Mechanical and Thermal Properties of SiC Composites Fabricated by Chemical Vapor Infiltration. <i>Journal of the Korean Ceramic Society</i> , <b>2019</b> , 56, 453-460	2.2	1
303	A comprehensive review of flexible piezoelectric generators based on organic-inorganic metal halide perovskites. <i>Nano Energy</i> , <b>2019</b> , 57, 74-93	17.1	71
302	An eco-friendly flexible piezoelectric energy harvester that delivers high output performance is based on lead-free MASnI <sub>3</sub> films and MASnI <sub>3</sub> -PVDF composite films. <i>Nano Energy</i> , <b>2019</b> , 57, 911-923	17.1	58
301	Reduction of magnetic resonance image artifacts of NiTi implant by carbon coating. <i>Materials Science and Engineering C</i> , <b>2019</b> , 98, 1-8	8.3	5
300	Self-powered pressure and light sensitive bimodal sensors based on long-term stable piezo-photoelectric MAPbI <sub>3</sub> thin films. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 2786-2792	7.1	23
299	Chemical vapor deposition in fabrication of robust and highly efficient perovskite solar cells based on single-walled carbon nanotubes counter electrodes. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 747, 703-711	5.7	25
298	Defect-Free Graphene Synthesized Directly at 150 °C via Chemical Vapor Deposition with No Transfer. <i>ACS Nano</i> , <b>2018</b> , 12, 2008-2016	16.7	43
297	Scalable Synthesis of Exfoliated Organometal Halide Perovskite Nanocrystals by Ligand-Assisted Ball Milling. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 3733-3738	8.3	32
296	Enhanced piezoelectric output performance via control of dielectrics in Fe <sup>2+</sup> -incorporated MAPbI <sub>3</sub> perovskite thin films: Flexible piezoelectric generators. <i>Nano Energy</i> , <b>2018</b> , 49, 247-256	17.1	47
295	Precise Determination of the Temperature Gradients in Laser-irradiated Ultrathin Magnetic Layers for the Analysis of Thermal Spin Current. <i>Scientific Reports</i> , <b>2018</b> , 8, 11337	4.9	2
294	A novel approach to ambient energy (thermoelectric, piezoelectric and solar-TPS) harvesting: Realization of a single structured TPS-fusion energy device using MAPbI <sub>3</sub> . <i>Nano Energy</i> , <b>2018</b> , 52, 11-21	17.1	23
293	In-Situ Co-Arc Discharge Synthesis of Fe <sub>3</sub> O <sub>4</sub> /SWCNT Composites for Highly Effective Microwave Absorption. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2018</b> , 215, 1700989	1.6	13
292	Enhanced output performance of a flexible piezoelectric energy harvester based on stable MAPbI <sub>3</sub> -PVDF composite films. <i>Nano Energy</i> , <b>2018</b> , 53, 46-56	17.1	61

291	Ultra Small, mono dispersed green synthesized silver nanoparticles using aqueous extract of Sida cordifolia plant and investigation of antibacterial activity. <i>Microbial Pathogenesis</i> , <b>2018</b> , 124, 63-69	3.8	49
290	Predominant Stable MAPbI <sub>3</sub> Films Deposited via Chemical Vapor Deposition: Stability Studies in Illuminated and Darkened States Coupled with Temperature under an Open-Air Atmosphere. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 3301-3312	6.1	13
289	Effects of heating rate on the magneto-optical properties of bismuth-substituted yttrium iron garnet films prepared via modified metal-organic decomposition. <i>Current Applied Physics</i> , <b>2018</b> , 18, 241-245	2.6	8
288	Surface engineering for improved stability of CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> perovskite nanocrystals. <i>Nanoscale</i> , <b>2018</b> , 10, 1885-1891	7.7	28
287	Effect of annealing temperature on surface morphology and ultralow ferromagnetic resonance linewidth of yttrium iron garnet thin film grown by rf sputtering. <i>Applied Surface Science</i> , <b>2018</b> , 435, 377-383	6.7	18
286	Most facile synthesis of Zn-Al-LDHs nanosheets at room temperature via environmentally friendly process and their high power generation by flexoelectricity. <i>Materials Today Energy</i> , <b>2018</b> , 10, 254-263	7	8
285	Enhanced Output Performance of Nanogenerator Based on Composite of Poly Vinyl Fluoride (PVDF) and Zn:Al Layered-Double Hydroxides (LDHs) Nanosheets. <i>Transactions on Electrical and Electronic Materials</i> , <b>2018</b> , 19, 403-411	1.7	7
284	Porous Fe <sub>3</sub> O <sub>4</sub> Nanospheres with Controlled Porosity for Enhanced Electromagnetic Wave Absorption. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2018</b> , 215, 1701032	1.6	12
283	Wrinkle-free graphene electrodes in zinc tin oxide thin-film transistors for large area applications. <i>Nanotechnology</i> , <b>2017</b> , 28, 075205	3.4	1
282	Utilization of AZO/Au/AZO multilayer electrodes instead of FTO for perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 163, 58-65	6.4	32
281	Optical Properties of Colloidal CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Nanocrystals by Controlled Growth of Lateral Dimension. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 794-799	3.5	34
280	Enhanced thermoelectric properties of Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> thin films through the control of crystal structure. <i>Current Applied Physics</i> , <b>2017</b> , 17, 744-750	2.6	5
279	Er <sub>0.4</sub> Bi <sub>1.6</sub> O <sub>3</sub> thin films in situ crystallized at low temperature onto the Gd <sub>0.1</sub> Ce <sub>0.9</sub> O <sub>1.95</sub> bulk electrolytes via Facing-Target Sputtering. <i>Current Applied Physics</i> , <b>2017</b> , 17, 751-755	2.6	1
278	Resistance against water and acid water (pH=4.0) via Al-doped ZnO thin films for environmentally friendly glass panels. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 719, 271-280	5.7	10
277	Enhanced thermoelectric properties of flexible Cu <sub>2</sub> Se (x=0.25) NW/polyvinylidene fluoride composite films fabricated via simple mechanical pressing. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 763-769	7.1	35
276	Large-area thin-film capacitors deposited onto graphene bottom electrodes via facing-target sputtering that is free of plasma damage. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 695, 2886-2893	5.7	5
275	Large-scale room-temperature aqueous synthesis of Co superstructures with controlled morphology, and their application to electromagnetic wave absorption. <i>Metals and Materials International</i> , <b>2017</b> , 23, 405-411	2.4	18
274	Green synthesis, characterization and antimicrobial activity of silver nanoparticles using methanolic root extracts of Diospyros sylvatica. <i>Journal of Environmental Sciences</i> , <b>2017</b> , 55, 157-163	6.4	47

273	Thermoelectric properties of nanocomposite n -type Cr <sub>2</sub> O <sub>3</sub> /Cr thin films deposited by a reactive sputtering. <i>Vacuum</i> , <b>2017</b> , 140, 71-75	3.7	3
272	Efficiency Enhancement of Hole-Conductor Free Perovskite Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2017</b> , 17, 8067-8074	1.3	2
271	Effects of Source Gas Flow Paths on the Matrix Infiltration Behaviors and Mechanical Properties of Cvi-Processed SiCf/SiC Composite Tubes. <i>Ceramic Transactions</i> , <b>2017</b> , 109-115	0.1	0
270	Co <sub>3</sub> O <sub>4</sub> @WCNT composites for H <sub>2</sub> S gas sensor application. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 222, 166-172	8.5	60
269	Gas-Sensing Properties of ZnO Nanorods at Room Temperature Under Continuous UV Illumination in Humid Air. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 10346-10350	1.3	6
268	Achieving Antifingerprinting and Antibacterial Effects in Smart-Phone Panel Applications Using ZnO Thin Films without a Protective Layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 997-1003	9.5	15
267	Piezoelectric properties of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite thin films and their applications in piezoelectric generators. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 756-763	13	95
266	A graphene meta-interface for enhancing the stretchability of brittle oxide layers. <i>Nanoscale</i> , <b>2016</b> , 8, 4961-8	7.7	13
265	Thermoelectric Properties of n-Type Bismuth Telluride (Bi <sub>2</sub> Te <sub>3</sub> ) Thin Films Prepared by RF Sputtering. <i>Science of Advanced Materials</i> , <b>2016</b> , 8, 1172-1176	2.3	2
264	Chemical Vapor Deposition of Tantalum Carbide from TaCl <sub>5</sub> -C <sub>3</sub> H <sub>6</sub> -Ar-H <sub>2</sub> System. <i>Journal of the Korean Ceramic Society</i> , <b>2016</b> , 53, 597-603	2.2	7
263	Study on Proton Radiation Resistance of 410 Martensitic Stainless Steels under 3 MeV Proton Irradiation. <i>Journal of Magnetism</i> , <b>2016</b> , 21, 183-186	1.9	3
262	Characterization of ZTO Thin Films Transistor Deposited by On-axis Sputtering and Facing Target Sputtering(FTS). <i>Korean Journal of Materials Research</i> , <b>2016</b> , 26, 676-680	0.2	
261	Utilization of the Antiferromagnetic IrMn Electrode in Spin Thermoelectric Devices and Their Beneficial Hybrid for Thermopiles. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 5507-5514	15.6	17
260	Analysis of Thermal Conductivity of Antimony Telluride Thin Films by Modified Callaway and Sondheimer Models. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 7567-7572	1.3	4
259	Simultaneous realization of electromagnetic interference shielding, hydrophobic qualities, and strong antibacterial activity for transparent electronic devices. <i>Current Applied Physics</i> , <b>2016</b> , 16, 1642-1648	2.6	9
258	Thermoelectric characterization and fabrication of nanostructured p-type Bi <sub>0.5</sub> Sb <sub>1.5</sub> Te <sub>3</sub> and n-type Bi <sub>2</sub> Te <sub>3</sub> thin film thermoelectric energy generator with an in-plane planar structure. <i>AIP Advances</i> , <b>2016</b> , 6, 065123	1.5	17
257	Lead-free 0.75(Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub> -0.25SrTiO <sub>3</sub> (BNT-ST) epitaxial films grown on Si (001) substrates via pulsed laser deposition. <i>Sensors and Actuators A: Physical</i> , <b>2016</b> , 243, 117-122	3.9	9
256	Fabrication of undoped ZnO thin film via photosensitive sol-gel method and its applications for an electron transport layer of organic solar cells. <i>Applied Surface Science</i> , <b>2015</b> , 351, 487-491	6.7	21

255	Microstructural and electrical properties of lead-free 0.5Ba(Zr 0.2 Ti 0.8 )O 3 0.5(Ba 0.7 Ca 0.3 )TiO 3 (BZTBCT) epitaxial films grown on Si (0 0 1) substrates. <i>Scripta Materialia</i> , <b>2015</b> , 108, 96-99	5.6	4
254	Realization of large-area wrinkle-free monolayer graphene films transferred to functional substrates. <i>Scientific Reports</i> , <b>2015</b> , 5, 9610	4.9	21
253	Effect of grain size on thermal transport in post-annealed antimony telluride thin films. <i>Nanoscale Research Letters</i> , <b>2015</b> , 10, 20	5	24
252	Chemically and thermo-mechanically stable LSM/YSZ segmented oxygen permeable ceramic membrane. <i>Journal of Membrane Science</i> , <b>2015</b> , 486, 222-228	9.6	28
251	Magnetic resonance absorption in isolated metal/insulator/metal nanodot arrays with transmission geometry. <i>Current Applied Physics</i> , <b>2015</b> , 15, 844-849	2.6	3
250	Enhancement of solar cell efficiency using perovskite dyes deposited via a two-step process. <i>RSC Advances</i> , <b>2015</b> , 5, 33515-33523	3.7	6
249	Thin-film multi-layer capacitors using Bi2Mg2/3Nb4/3O7 (BMNO) pyrochlore thin films via radio-frequency sputtering. <i>Current Applied Physics</i> , <b>2015</b> , 15, 1384-1388	2.6	1
248	Effect of protective layer on enhanced transmittance, mechanical durability, anti-fingerprint, and antibacterial activity of the silver nanoparticles deposited on flexible substrate. <i>Sensors and Actuators A: Physical</i> , <b>2015</b> , 221, 131-138	3.9	14
247	Effect of electronic contribution on temperature-dependent thermal transport of antimony telluride thin film. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 620, 120-124	5.7	13
246	Dynamic Strain Evolution around a Crack Tip under Steady- and Overloaded-Fatigue Conditions. <i>Metals</i> , <b>2015</b> , 5, 2109-2118	2.3	9
245	Transparent Conductive Films of Copper Nanofiber Network Fabricated by Electrospinning. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-8	3.2	6
244	Enhanced reproducibility of the high efficiency perovskite solar cells via a thermal treatment. <i>RSC Advances</i> , <b>2015</b> , 5, 52571-52577	3.7	5
243	Enhanced transparency, mechanical durability, and antibacterial activity of zinc nanoparticles on glass substrate. <i>Scientific Reports</i> , <b>2014</b> , 4, 6271	4.9	13
242	Zinc doped TiO2 blocking layer grown by nanocluster deposition for improved dye-sensitized solar cell performance. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 591, 1-5	5.7	17
241	Thermoelectric property of Fe3O4 thin films grown onto the SiO2 (250 nm)/Si and c-Al2O3 (0 0 0 1) substrate at 573 K using pulsed laser deposition. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 204, 622-628	8.5	7
240	Enhanced transmittance, mechanical durability, and anti-fingerprinting qualities of silver nanoparticles deposited onto glass substrates. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 602, 255-260	5.7	12
239	Reduced temperature-dependent thermal conductivity of magnetite thin films by controlling film thickness. <i>Nanoscale Research Letters</i> , <b>2014</b> , 9, 96	5	17
238	Application of polyaniline nanowires electrodeposited on the FTO glass substrate as a counter electrode for low-cost dye-sensitized solar cells. <i>Current Applied Physics</i> , <b>2014</b> , 14, 1607-1611	2.6	22

237	Observation of chemical separation of In <sub>3</sub> Sb <sub>1</sub> Te <sub>2</sub> thin film during phase transition. <i>Applied Surface Science</i> , <b>2014</b> , 292, 986-989	6.7	5
236	Effect of Structural Change on Thermoelectric Properties of the Chalcogenide Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> Thin Films. <i>ECS Journal of Solid State Science and Technology</i> , <b>2014</b> , 3, P298-P301	2	8
235	Localized Surface Plasmon Resonance Coupling in Self-Assembled Ag Nanoparticles by Using 3-Dimensional FDTD Simulation. <i>Korean Journal of Materials Research</i> , <b>2014</b> , 24, 417-422	0.2	
234	Formation of Bismuth Nanocrystals in Bi <sub>2</sub> O <sub>3</sub> Thin Films Grown at 300 K by Pulsed Laser Deposition for Thermoelectric Applications. <i>ECS Journal of Solid State Science and Technology</i> , <b>2014</b> , 3, P315-P319	2	14
233	Enhanced thermoelectric properties of thermal treated Sb <sub>2</sub> Te <sub>3</sub> thin films. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 583, 111-115	5.7	19
232	Morphology Control of Pt Counter Electrodes Using a Pt Precursor Solution with H <sub>2</sub> PtCl <sub>6</sub> ·xH <sub>2</sub> O for Highly Efficient Dye-Sensitized Solar Cells. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, H166-H171	3.9	9
231	Dye-sensitized solar cell based on AZO/Ag/AZO multilayer transparent conductive oxide film. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 556, 121-126	5.7	30
230	Transparent conducting oxide free dye sensitized solar cell using flexible stainless steel mesh. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 578, 609-612	5.7	9
229	Efficiency enhancement of flexible dye-sensitized solar cell with sol-gel formed Nb <sub>2</sub> O <sub>5</sub> blocking layer. <i>Current Applied Physics</i> , <b>2013</b> , 13, 1391-1396	2.6	28
228	Enhancing the efficiency of dye sensitized solar cells with an SnO <sub>2</sub> blocking layer grown by nanocluster deposition. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 561, 206-210	5.7	70
227	Enhanced Photoelectrochemical Activity from Visible Light by Growing CdS/ITO Nanocomposites onto Single-Walled Carbon Nanotubes. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, H192-H196	3.9	5
226	Selective growth of pure magnetite thin films and/or nanowires grown in situ at a low temperature by pulsed laser deposition. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 1977	7.1	11
225	Formation of artificial pores in nano-TiO <sub>2</sub> photo-electrode films using acetylene-black for high-efficiency, dye-sensitized solar cells. <i>Scientific Reports</i> , <b>2013</b> , 3, 1496	4.9	22
224	Effect of Deposition Temperature on Microstructure and Hardness of ZrC Coating Layers of TRISO-Coated Particles Fabricated by the FBCVD Method. <i>Journal of the Korean Ceramic Society</i> , <b>2013</b> , 50, 37-42	2.2	1
223	Deposition of TiC by a LPCVD Method and the Effect of the Crystallographic Orientation on Mechanical Properties. <i>Journal of the Korean Ceramic Society</i> , <b>2013</b> , 50, 43-49	2.2	2
222	Effect of Ti Adhesion Layer on the Electrical Properties of BMNO Capacitor Using Graphene Bottom Electrodes. <i>Journal of the Korean Institute of Electrical and Electronic Material Engineers</i> , <b>2013</b> , 26, 867-871		
221	An amperometric glucose biosensor based on a GOx-entrapped TiO <sub>2</sub> @WCNT composite. <i>Sensors and Actuators B: Chemical</i> , <b>2012</b> , 166-167, 103-109	8.5	33
220	Realization of transparent and flexible capacitors using reliable graphene electrodes. <i>RSC Advances</i> , <b>2012</b> , 2, 5214	3.7	8

219	Transparent nanoscale floating gate memory using self-assembled bismuth nanocrystals in Bi(2) Mg(2/3) Nb(4/3) O(7) (BMN) pyrochlore thin films grown at room temperature. <i>Advanced Materials</i> , <b>2012</b> , 24, 3396-400	24	4
218	Enhanced Dielectric Permittivity of the Bi <sub>2</sub> Mg <sub>2/3</sub> Nb <sub>4/3</sub> O <sub>7</sub> -Bi Nano-Composite Amorphous Films Grown at Room Temperature. <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, G62-G66	3.9	1
217	Enhancement of Temperature Sensitivity for Metal/Insulator/Semiconductor Temperature Sensors by Using Bi <sub>2</sub> Mg <sub>2/3</sub> Nb <sub>4/3</sub> O <sub>7</sub> Film. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 080206	1.4	1
216	Crystallized Indium-Tin Oxide (ITO) Thin Films Grown at Low Temperature onto Flexible Polymer Substrates. <i>ECS Journal of Solid State Science and Technology</i> , <b>2012</b> , 1, Q106-Q109	2	33
215	Crystallized Indium-Tin Oxide Composites Grown onto Single-Walled Carbon Nanotubes at a Low Temperature by Nanocluster Deposition. <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, K111-K115	3.9	1
214	Enhancement of the Photo-Response Properties of the Flexible CdS Films by an Application of Electrical Field. <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, J205-J208	3.9	1
213	Photo-Response Switching of Flexible CdS Films Using Visible Light and Electric Field. <i>ECS Journal of Solid State Science and Technology</i> , <b>2012</b> , 1, Q135-Q139	2	1
212	Enhancement of Temperature Sensitivity for Metal/Insulator/Semiconductor Temperature Sensors by Using Bi <sub>2</sub> Mg <sub>2/3</sub> Nb <sub>4/3</sub> O <sub>7</sub> Film. <i>Japanese Journal of Applied Physics</i> , <b>2012</b> , 51, 080206	1.4	
211	Self-catalytic growth of indium oxide flower-like nanostructures by nano-cluster deposition (NCD) at low temperature. <i>CrystEngComm</i> , <b>2011</b> , 13, 663-667	3.3	8
210	Epitaxial 0.65PbMg <sub>1/3</sub> Nb <sub>2/3</sub> O <sub>3</sub> -0.35PbTiO <sub>3</sub> (PMNBT) thin films grown on LaNiO <sub>3</sub> /CeO <sub>2</sub> /YSZ buffered Si substrates. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 3065-3069	5.7	10
209	Epitaxial PMNBT thin films grown on buffered Si substrates using ceramic and single-crystal targets. <i>Journal of Alloys and Compounds</i> , <b>2011</b> , 509, 6924-6929	5.7	15
208	Structural properties of phase-change InSbTe thin films grown at a low temperature by metalorganic chemical vapor deposition. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2011</b> , 11, 189-94	1.3	5
207	Electrical Properties of Epitaxial 0.65Pb (Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -0.35PbTiO <sub>3</sub> Thin Films Grown on Buffered Si Substrates by Pulsed Laser Deposition. <i>International Journal of Applied Ceramic Technology</i> , <b>2011</b> , 8, 1393-1399	2	7
206	Effects of the PyC interface coating on SiC nanowires of SiCf/SiC composite. <i>Journal of Nuclear Materials</i> , <b>2011</b> , 417, 367-370	3.3	12
205	Bismuth-metal nanocrystals self-embedded in high-k Bi-based pyrochlore dielectrics grown at room temperature. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2011</b> , 208, 932-936	1.6	2
204	Enhanced photoelectrochemical activity of the TiO <sub>2</sub> /ITO nanocomposites grown onto single-walled carbon nanotubes at a low temperature by nanocluster deposition. <i>Advanced Materials</i> , <b>2011</b> , 23, 5557-62	24	28
203	Ultraviolet response and photoelectrochemical properties of a rutile and anatase mixture grown onto single-wall carbon nanotubes at a low temperature using nano-cluster deposition. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 16473		8
202	Low-Temperature Nanocluster Deposition (NCD) for Improvement of the Structural, Electrical, and Optical Properties of ITO Thin Films. <i>IEEE Nanotechnology Magazine</i> , <b>2011</b> , 10, 1059-1065	2.6	12

201	Microstructural and electrical properties of 0.65Pb(Mg <sub>1</sub> /3Nb <sub>2</sub> /3)O <sub>3</sub> 0.35PbTiO <sub>3</sub> (PMNBT) epitaxial films grown on Si substrates. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 155, 854-858	8.5	9
200	Bi <sub>2</sub> O <sub>3</sub> nanowire growth from high-density Bi nanowires grown at a low temperature using aluminumBismuth co-deposited films. <i>Sensors and Actuators B: Chemical</i> , <b>2011</b> , 156, 709-714	8.5	15
199	Electrical Property and Long-Term Stability of Transparent Capacitors Using Multi-Layer Transparent Conducting Oxide Electrodes. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 035807	1.4	
198	Epitaxial PMN-PT Thin Films Grown on LaNiO <sub>3</sub> /CeO <sub>2</sub> /YSZ Buffered Si(001) Substrates by Pulsed Laser Deposition. <i>Journal of the Electrochemical Society</i> , <b>2011</b> , 158, G83	3.9	7
197	Oxidation of CVD 5SiC in Impurity-Controlled Helium Environment at 950?. <i>Journal of the Korean Ceramic Society</i> , <b>2011</b> , 48, 426-432	2.2	4
196	The Effect of a Sol-gel Formed TiO <sub>2</sub> Blocking Layer on the Efficiency of Dye-sensitized Solar Cells. <i>Bulletin of the Korean Chemical Society</i> , <b>2011</b> , 32, 3629-3633	1.2	18
195	Effect of Ionic Liquids with Different Cations in I-/I <sub>3</sub> -Redox Electrolyte on the Performance of Dye-sensitized Solar Cells. <i>Bulletin of the Korean Chemical Society</i> , <b>2011</b> , 32, 2058-2062	1.2	8
194	Effect of the Thickness and the Annealing Conditions of the Catalytic Ni Films on the Graphene Films Grown by a Rapid-Thermal Pulse CVD. <i>Korean Journal of Materials Research</i> , <b>2011</b> , 21, 78-82	0.2	2
193	Characterization of the Crystallized ITO Thin Films Grown at a Low Temperature by Off-axis RF Magnetron Sputtering. <i>Journal of the Korean Institute of Electrical and Electronic Material Engineers</i> , <b>2011</b> , 24, 126-130		
192	Electrical Property and Long-Term Stability of Transparent Capacitors Using Multi-Layer Transparent Conducting Oxide Electrodes. <i>Japanese Journal of Applied Physics</i> , <b>2011</b> , 50, 035807	1.4	
191	Conduction Properties and a Long-Term Stability of the Transparent Capacitors. <i>Journal of the Electrochemical Society</i> , <b>2010</b> , 157, G258	3.9	5
190	Growth Mechanism of the Copper Oxide Nanowires from Copper Thin Films Deposited on CuO-Buffered Silicon Substrate. <i>Journal of the Electrochemical Society</i> , <b>2010</b> , 157, K119	3.9	32
189	Low Resistivity ITO Thin Films Deposited by NCD Technique at Low Temperature: Variation of Tin Concentration. <i>Journal of the Electrochemical Society</i> , <b>2010</b> , 157, H937	3.9	16
188	Conformal Properties of InSbTe Thin Films Grown at a Low Temperature by MOCVD for PRAM Applications. <i>Journal of the Electrochemical Society</i> , <b>2010</b> , 157, D353	3.9	3
187	Optical and Dielectric Properties of Transparent Epitaxial GdVO <sub>4</sub> /n-GaN/Sapphire Heterostructure. <i>Japanese Journal of Applied Physics</i> , <b>2010</b> , 49, 041101	1.4	
186	Phase-change InSbTe nanowires grown in situ at low temperature by metal-organic chemical vapor deposition. <i>Nano Letters</i> , <b>2010</b> , 10, 472-7	11.5	36
185	Metalorganic chemical vapor deposition of non-GST chalcogenide materials for phase change memory applications. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 1751		12
184	Growth of high-quality ITO thin films at low temperature by tuning the oxygen flow rate using the nano-cluster deposition (NCD) technique. <i>Chemical Physics Letters</i> , <b>2010</b> , 490, 234-237	2.5	14

183	High-Resistivity Thin-Film Resistors Grown Using $\text{CrB}_{1-x}\text{Si}_x\text{C}$ Materials by Radio-Frequency Magnetron Sputtering. <i>IEEE Transactions on Electron Devices</i> , <b>2010</b> , 57, 1475-1480	2.9	7
182	Control of the shielding and the transmission of an electro-magnetic wave (~GHz) by a visible light using flexible CdS films grown on polymer substrates. <i>Sensors and Actuators B: Chemical</i> , <b>2010</b> , 147, 67-72	8.5	3
181	Room-temperature ferromagnetism observed in Mo-doped indium oxide films. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 122502	3.4	20
180	Transparent Capacitor for the Storage of Electric Power Produced by Transparent Solar Cells. <i>Journal of the Electrochemical Society</i> , <b>2009</b> , 156, G180	3.9	18
179	Thermal stability of GeSbTe thin films deposited by layer-by-layer metalorganic chemical vapor deposition. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2009</b> , 27, L54		4
178	$\text{Ti}_{0.94}\text{Fe}_{0.06}\text{O}_2/\text{Ti}_{0.94}\text{Mn}_{0.06}\text{O}_2$ superlattice films deposited on atomic-scale flattened sapphire substrates for dilute magnetic semiconductor applications. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2009</b> , 27, 81		
177	Electrical Properties of $\text{Bi}_{1-x}\text{Mg}_x\text{Nb}_{1-x}\text{O}_{7-x}$ Multilayer Films Combined with Percolative Capacitors. <i>Journal of the Electrochemical Society</i> , <b>2009</b> , 156, G134	3.9	5
176	Phase Change Memory using InSbTe Chalcogenide Materials Deposited by Metal-organic Chemical Vapor Deposition. <i>ECS Transactions</i> , <b>2009</b> , 25, 1129-1133	1	4
175	Dielectric $\text{Bi}_{1-x}\text{Nb}_x\text{O}_{7-x}$ Thin Films Deposited on Polymer Substrates by Nanocluster Deposition for Flexible Electronic Device Applications. <i>Electrochemical and Solid-State Letters</i> , <b>2009</b> , 12, G23		6
174	Transparent $\text{Bi}_{1-x}\text{Nb}_x\text{O}_{7-x}$ Dielectrics Grown on Flexible Polymer Substrates by Nanocluster Deposition. <i>Electrochemical and Solid-State Letters</i> , <b>2009</b> , 12, G72		3
173	Indium tin oxide thin films crystallized at a low temperature using a nanocluster deposition technique. <i>Scripta Materialia</i> , <b>2009</b> , 61, 867-870	5.6	14
172	Epitaxial $\text{SrRuO}_3$ thin films deposited on $\text{SrO}$ buffered-Si(001) substrates for ferroelectric $\text{Pb}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3$ thin films. <i>Metals and Materials International</i> , <b>2009</b> , 15, 89-94	2.4	2
171	Microstructural and electrical properties of $\text{Ga}_2\text{O}_3$ nanowires grown at various temperatures by vapor-liquid-solid technique. <i>Sensors and Actuators B: Chemical</i> , <b>2009</b> , 140, 240-244	8.5	30
170	Nanoscale Silver-Based Al-Doped ZnO Multilayer Transparent-Conductive Oxide Films. <i>Journal of the Electrochemical Society</i> , <b>2009</b> , 156, J215	3.9	36
169	Highly Photoconductive CdS Thin Films Synthesized by Using Chemical Bath Deposition. <i>Journal of the Korean Physical Society</i> , <b>2009</b> , 55, 284-287	0.6	9
168	Fracture Behaviors and Mechanical Properties of SiCf/SiC Composites Prepared by the Whisker Growing Assisted CVI Process. <i>Journal of the Korean Ceramic Society</i> , <b>2009</b> , 46, 484-487	2.2	1
167	Nanocluster deposition for oxide thin film growth at near room temperature. <i>Nanotechnology</i> , <b>2008</b> , 19, 435305	3.4	13
166	Effect of indium concentration on the structural and electrical properties of Al-doped ZnO thin films grown by pulsed laser deposition. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 215107	3	12

165	Characterization of Ge[sub 1-x]Te[sub x] Chalcogenide Thin Films Deposited by MOCVD for Phase Change Memory Applications. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, D137	3.9	9
164	Enhancement of Photosensitivity in CdS Thin Films Incorporated by Hydrogen. <i>Electrochemical and Solid-State Letters</i> , <b>2008</b> , 11, H176		16
163	Nonvolatile Memory-Switching Behaviors of Phase-Change Memory Devices Using TiSi <sub>2</sub> Heating Layers. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, H421	3.9	6
162	Effect of substrate temperature on structural and electrical properties of liquid-delivery metal organic chemical vapor deposited indium oxide thin films on silicon. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2008</b> , 26, 909		5
161	Effect of Deposition Temperature on Al[sub 0.016]In[sub 0.003]Zn[sub 0.981]O Thin Films Grown on Glass Substrates by Pulsed Laser Deposition. <i>Journal of the Electrochemical Society</i> , <b>2008</b> , 155, H786	3.9	8
160	Structural and electrical properties of Bi <sub>1.5</sub> Mg <sub>1.0</sub> Nb <sub>1.5</sub> O <sub>7</sub> thin films deposited on Pt/TiO <sub>2</sub> /SiO <sub>2</sub> /Si substrates by rf-magnetron sputtering. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2008</b> , 26, 1277		15
159	Interfacial and electrical properties of Zr <sub>x</sub> Ti <sub>1-x</sub> O <sub>4</sub> (x=0.66) films deposited by liquid-delivery metal organic chemical vapor deposition to be used as high-k gate dielectric. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2008</b> , 26, 1338		3
158	Experimental investigation of interfacial and electrical properties of post-deposition annealed Bi <sub>2</sub> Mg <sub>2</sub> /3Nb <sub>4</sub> /3O <sub>7</sub> (BMN) dielectric films on silicon. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 135311	3	6
157	An extremely high dielectric constant in bismuth-based pyrochlore multilayer film capacitors combined with percolative structure. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 212901	3.4	10
156	Characterization of photoconductive CdS thin films prepared on glass substrates for photoconductive-sensor applications. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2008</b> , 26, 1334		29
155	Switching characteristics of copper-doped GexTe <sub>1-x</sub> solid electrolyte films incorporated by nitrogen for programmable metallization cell memory applications. <i>Metals and Materials International</i> , <b>2008</b> , 14, 487-491	2.4	1
154	GROWTH OF Ge-DOPED Sb <sub>2</sub> Te <sub>3</sub> THIN FILMS BY METAL-ORGANIC CHEMICAL VAPOR DEPOSITION. <i>Integrated Ferroelectrics</i> , <b>2007</b> , 90, 80-87	0.8	6
153	Characterizations of high resistivity TiN <sub>x</sub> O <sub>y</sub> thin films for applications in thin film resistors. <i>Microelectronics Reliability</i> , <b>2007</b> , 47, 752-754	1.2	31
152	Development of embedded capacitor with bismuth-based pyrochlore thin films at low temperatures for printed circuit board applications. <i>Microelectronics Reliability</i> , <b>2007</b> , 47, 755-758	1.2	9
151	Improvement of Leakage Current Characteristics by Plasma Treatment in Bi[sub 2]Mg[sub 2]Nb[sub 4]O[sub 12] Dielectric Thin Films. <i>Electrochemical and Solid-State Letters</i> , <b>2007</b> , 10, G18		5
150	Densification Behavior and Microstructure Evolution of SiCf/SiC Composites Incorporated with In Situ Grown SiC Nanowires. <i>Solid State Phenomena</i> , <b>2007</b> , 124-126, 711-714	0.4	1
149	Electrical properties of Bi <sub>2</sub> Mg <sub>2</sub> Nb <sub>4</sub> O <sub>7</sub> (BMN) pyrochlore thin films deposited on Pt and Cu metal at low temperatures for embedded capacitor applications. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 052903	3.4	23
148	Realization of $\pi$ -type attenuator using Ti(N) thin films for the fourth generation of mobile telecommunications. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 203502	3.4	5

147	Co clustering and ferromagnetism in chemical vapor deposited $\text{Ti}_{1-x}\text{Co}_x\text{O}_2$ thin films. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 102504	3-4	8
146	Effect of excess bismuth concentration on dielectric and electrical properties of fully crystallized $\text{Bi}_2\text{Mg}_2\text{Nb}_4\text{O}_7$ thin films. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 072904	3-4	12
145	Ti(N) thin film resistors for 20dB $\pi$ -type attenuator applications. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 183506	3-4	8
144	Nonvolatile programmable metallization cell memory switching element based on Ag-doped SbTe solid electrolyte. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 162107	3-4	7
143	CHARACTERISTICS OF BISMUTH-BASED THIN FILMS DEPOSITED DIRECTLY ON POLYMER SUBSTRATES FOR EMBEDDED CAPACITOR APPLICATION. <i>Integrated Ferroelectrics</i> , <b>2007</b> , 95, 187-195	0-8	3
142	Effect of thickness on electrical properties of bismuth-magnesium niobate pyrochlore thin films deposited at low temperature. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 084114	2-5	19
141	Ge film growth in the presence of Sb by metal organic chemical vapor deposition. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 083531	2-5	13
140	Structural and electrical properties of high- $\text{Bi}_2\text{Mg}_2\text{Nb}_4\text{O}_7$ pyrochlore films on silicon for possible gate dielectric applications. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 054103	2-5	10
139	Thermal Treatment of Ag/Ag-Doped $(\text{Ge}_{[45]}\text{Te}_{[55]})_{[0.7]}\text{N}_{[0.3]}$ Electrolyte Films in Switching Characteristics of Programmable Metallization Cell Memory. <i>Journal of the Electrochemical Society</i> , <b>2007</b> , 154, H853	3-9	2
138	Characterization of Photoconductive Amorphous Si:H Films for Photoconducting Sensor Applications. <i>Electrochemical and Solid-State Letters</i> , <b>2007</b> , 10, H284		2
137	Bismuth-Based Pyrochlore Thin Films Deposited at Low Temperatures for Embedded Capacitor Applications. <i>Japanese Journal of Applied Physics</i> , <b>2006</b> , 45, 7325-7328	1-4	10
136	Characterization of in situ diffusion of silver in $\text{Ge}_{1-x}\text{Te}_x$ amorphous films for programmable metallization cell memory applications. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2006</b> , 24, 2312		12
135	Structural and electrical characterizations of ultrathin $\text{HfO}_2$ gate dielectrics treated by nitrogen-plasma atmosphere. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2006</b> , 24, 312		10
134	Characterization of silver-saturated $\text{Ge}_{1-x}\text{Te}_x$ chalcogenide thin films for nonvolatile random access memory. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2006</b> , 24, 721		34
133	Effect of film thickness on the electrical properties of tantalum nitride thin films deposited on $\text{SiO}_2/\text{Si}$ substrates for $\pi$ -type attenuator applications. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2006</b> , 24, 1398		2
132	Nitrogen Incorporation on the Crystallization Temperature of Silver-Doped $\text{Ge}_{[45]}\text{Te}_{[55]}$ Solid-Electrolyte Films for PMC Memory Applications. <i>Electrochemical and Solid-State Letters</i> , <b>2006</b> , 9, G364		6
131	Effect of Deposition Temperature on the Structural and Electrical Properties of NiCr Thin-Film Resistors by Magnetron Cosputtering. <i>Journal of the Electrochemical Society</i> , <b>2006</b> , 153, G606	3-9	7
130	Structural and Dielectric Properties of Cubic Fluorite $\text{Bi}_{[3]}\text{NbO}_{[7]}$ Thin Films As-Deposited at 298 K by PLD for Embedded Capacitor Applications. <i>Journal of the Electrochemical Society</i> , <b>2006</b> , 153, F225	3-9	7

129	Structural and Electrical Properties of TiN <sub>x</sub> O <sub>y</sub> Thin-Film Resistors for 30 dB Applications of $\pi$ -Type Attenuator. <i>Journal of the Electrochemical Society</i> , <b>2006</b> , 153, G856	3.9	11
128	Effects of Nitrogen Concentration on Structural and Electrical Properties of Titanium Nitride for Thin-Film Resistor Applications. <i>Electrochemical and Solid-State Letters</i> , <b>2006</b> , 9, G279		8
127	Characterization of Tantalum Nitride Thin Films Deposited on SiO <sub>2</sub> /Si Substrates Using dc Magnetron Sputtering for Thin Film Resistors. <i>Journal of the Electrochemical Society</i> , <b>2006</b> , 153, G164	3.9	34
126	Intrinsic ferromagnetic properties of Ti <sub>0.94</sub> Fe <sub>0.06</sub> O <sub>2</sub> /Ti <sub>0.94</sub> Mn <sub>0.06</sub> O <sub>2</sub> superlattice films for dilute magnetic semiconductor applications. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 162109	3.4	8
125	Realization of a high capacitance density in Bi <sub>2</sub> Mg <sub>2</sub> Nb <sub>4</sub> O <sub>7</sub> pyrochlore thin films deposited directly on polymer substrates for embedded capacitor applications. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 232910	3.4	40
124	GATE DIELECTRICS Bi <sub>2</sub> Mg <sub>2</sub> /3Nb <sub>4</sub> /3O <sub>7</sub> THIN FILMS DEPOSITED BY PULSED LASER DEPOSITION FOR ORGANIC THIN FILM TRANSISTOR APPLICATIONS. <i>Integrated Ferroelectrics</i> , <b>2006</b> , 86, 41-47	0.8	3
123	Structural properties of Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> thin films by metal organic chemical vapor deposition for phase change memory applications. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 102107	3.4	61
122	Structural and Electrical Properties of NiCr Thin Films Annealed at Various Temperatures in a Vacuum and a Nitrogen Ambient for $\pi$ -Type Attenuator Applications. <i>Journal of the Electrochemical Society</i> , <b>2006</b> , 153, G660	3.9	10
121	Effect of annealing temperature on structural and electrical properties of tantalum nitride thin film resistors deposited on SiO <sub>2</sub> /Si substrates by dc sputtering technique. <i>Journal of Vacuum Science &amp; Technology B</i> , <b>2006</b> , 24, 682		8
120	Bismuth-zinc-niobate embedded capacitors grown at room temperature for printed circuit board applications. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 192902	3.4	53
119	Effect of Chromium Concentration on the Electrical Properties of NiCr Thin Films Resistor Deposited at Room Temperature by Magnetron Cosputtering Technique. <i>Journal of the Electrochemical Society</i> , <b>2006</b> , 153, G27	3.9	21
118	Structural and electrical characterization of tantalum nitride thin film resistors deposited on AlN substrates for $\pi$ -type attenuator applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2006</b> , 135, 162-165	3.1	18
117	Characteristics of Ti <sub>0.97</sub> Co <sub>0.03</sub> O <sub>2</sub> :Sb <sub>0.01</sub> dilute magnetic semiconducting thin films deposited at 500 °C by pulsed laser deposition. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 304, e140-e142	2.8	3
116	Thickness Dependence of the Electrical Properties in NiCr Thin Film Resistors Annealed in a Vacuum Ambient for $\pi$ type Attenuator Applications. <i>Journal of the Korean Institute of Electrical and Electronic Material Engineers</i> , <b>2006</b> , 19, 712-716		1
115	Thickness Dependence of the Electrical Properties of CuNi Thin Film Resistors Grown on AlN Substrates for $\pi$ -Type Attenuator Application. <i>Electrochemical and Solid-State Letters</i> , <b>2005</b> , 8, G92		6
114	Electrical characteristics of Ga <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> nanomixed films grown by plasma-enhanced atomic-layer deposition for gate dielectric applications. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 082909	3.4	13
113	Effect of Li <sub>0.5</sub> La <sub>0.5</sub> TiO <sub>3</sub> solid electrolyte films on electrochemical properties of LiCoO <sub>2</sub> thin film cathodes with different rapid-thermal annealing conditions. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2005</b> , 23, 2089		4
112	Synthesis of conducting polyaniline in semi-IPN based on chitosan. <i>Synthetic Metals</i> , <b>2005</b> , 154, 213-216	3.6	34

111	Ferromagnetic and electrical properties in ferromagnetic semiconductor $\text{Ti}_{1-x}\text{Co}_x\text{O}_{2-\delta}$ thin films grown by pulsed laser deposition. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 10D326	2.5	4
110	EFFECT OF NITROGEN INCORPORATION ON ELECTRICAL PROPERTIES OF HIGH-K NANOMIXED $\text{Hf}_x\text{Al}_y\text{O}_z$ FILM CAPACITORS GROWN ON RU METAL ELECTRODES BY ATOMIC LAYER DEPOSITION. <i>Integrated Ferroelectrics</i> , <b>2005</b> , 74, 131-136	0.8	1
109	Electrical and reliability characteristics of $\text{HfO}_2$ gate dielectric treated in $\text{N}_2$ and $\text{NH}_3$ plasma atmosphere. <i>Applied Surface Science</i> , <b>2005</b> , 242, 313-317	6.7	18
108	Effect of $\text{Pb}_{2-x}\text{Ru}_x\text{O}_{7-x}$ (PRO) conductive interfacial layers on ferroelectric properties of $\text{Pt/Pb}(\text{Zr}_{0.35}\text{Ti}_{0.65})\text{O}_3/\text{Pt}$ capacitors for nonvolatile memory applications. <i>Applied Physics A: Materials Science and Processing</i> , <b>2005</b> , 81, 855-859	2.6	1
107	Influence of laser treatment on the electrical properties of plasma-enhanced-atomic-layer-deposited $\text{TiO}_2$ thin films. <i>Metals and Materials International</i> , <b>2005</b> , 11, 285-289	2.4	9
106	Synthesis and characterization of an interpenetrating polymer network composed of poly(methacrylic acid) and poly(vinyl alcohol). <i>Polymer International</i> , <b>2005</b> , 54, 149-152	3.3	17
105	Swelling and electroresponsive characteristics of interpenetrating polymer network hydrogels. <i>Polymer International</i> , <b>2005</b> , 54, 1169-1174	3.3	13
104	High-k Nanomixed $\text{Hf}_{[x]}\text{Al}_{[y]}\text{O}_{[z]}$ Film Capacitors Grown on Ru Metal Electrodes by Atomic Layer Deposition. <i>Electrochemical and Solid-State Letters</i> , <b>2005</b> , 8, F40		
103	FERROELECTRIC PROPERTIES OF ULTRA-THIN EPITAXIAL $\text{Pb}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3$ THIN FILMS GROWN ON $\text{SrRuO}_3/\text{SrTiO}_3$ SUBSTRATES. <i>Integrated Ferroelectrics</i> , <b>2005</b> , 73, 125-132	0.8	2
102	Characteristics of Amorphous Lithium Lanthanum Titanate Electrolyte Thin Films Grown by PLD for Use in Rechargeable Lithium Microbatteries. <i>Electrochemical and Solid-State Letters</i> , <b>2005</b> , 8, A75		36
101	Effect of cerium concentration on the structural and ferroelectric properties of $\text{Bi}_{4-x}\text{Ce}_x\text{Ti}_3\text{O}_{12}$ thin films for ferroelectric random access memories. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2005</b> , 23, 1029		5
100	Effect of film thickness on the ferroelectric properties of $\text{Pb}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3$ thin films for nano-data storage applications. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2005</b> , 23, 1901		8
99	Swelling Characterizations of the Interpenetrating Polymer Network Hydrogels Composed of Polymethacrylic Acid and Alginate. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , <b>2005</b> , 42, 811-820	2.2	7
98	Effect of nitrogen incorporation on improvement of leakage properties in high-k $\text{HfO}_2$ capacitors treated by $\text{N}_2$ -plasma. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 132903	3.4	23
97	PLASMA-ENHANCED ATOMIC LAYER DEPOSITION OF ULTRATHIN $\text{Ga}_2\text{O}_3\text{-TiO}_2$ GATE DIELECTRICS ON Si (001) Substrates. <i>Integrated Ferroelectrics</i> , <b>2005</b> , 74, 181-187	0.8	4
96	The Structural and Electrical Properties of CuNi Thin-Film Resistors Grown on AlN Substrates for $\pi$ -Type Attenuator Application. <i>Journal of the Electrochemical Society</i> , <b>2005</b> , 152, G472	3.9	6
95	Electrical Properties in High-k $\text{HfO}_2$ Capacitors with an Equivalent Oxide Thickness of 9 Å on Ru Metal Electrode. <i>Electrochemical and Solid-State Letters</i> , <b>2005</b> , 8, F17		6
94	Growth and Characterization of $(\text{Ba}_{0.5}\text{Sr}_{0.5})\text{TiO}_3$ Films Epitaxially Grown on (002) GaN/(0006) $\text{Al}_2\text{O}_3$ Electrode. <i>Japanese Journal of Applied Physics</i> , <b>2004</b> , 43, L1425-L1428	1.4	17

93	Improvement in Structural and Electrical Properties of (Ba <sub>0.5</sub> Sr <sub>0.5</sub> )TiO <sub>3</sub> Capacitors Using (Ba <sub>0.5</sub> Sr <sub>0.5</sub> )RuO <sub>3</sub> Conductive Layers at (Ba <sub>0.5</sub> Sr <sub>0.5</sub> )TiO <sub>3</sub> /Pt Interface. <i>Japanese Journal of Applied Physics</i> , <b>2004</b> , 43, 1442-1445	1.4	4
92	Phase Formations and Electrical Properties of Bi <sub>3.15</sub> La <sub>0.85</sub> Ti <sub>3</sub> O <sub>12</sub> and Sm-Doped Bi <sub>3.073</sub> La <sub>0.85</sub> Sm <sub>0.077</sub> Ti <sub>3</sub> O <sub>12</sub> Thin Films with Annealing Temperature. <i>Japanese Journal of Applied Physics</i> , <b>2004</b> , 43, 6594-6598	1.4	4
91	Effect of the deposition temperature on temperature coefficient of resistance in CuNi thin film resistors. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2004</b> , 22, 2698		27
90	Improvement of electrochemical properties in LiCoO <sub>2</sub> cathode films grown on Pt//TiO <sub>2</sub> BiO <sub>2</sub> Bi substrates by liquid-delivery metalorganic chemical vapor deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2004</b> , 22, 2356-2360	2.9	5
89	Heteroepitaxial Growth and Ferroelectric Properties of PbZr <sub>0.52</sub> Ti <sub>0.48</sub> O <sub>3</sub> /SrRuO <sub>3</sub> Structure on TiO <sub>2</sub> -Terminated SrTiO <sub>3</sub> (100) by Pulsed Laser Deposition. <i>Integrated Ferroelectrics</i> , <b>2004</b> , 64, 183-189	0.8	
88	Very Thin TiO <sub>2</sub> Films Prepared by Plasma Enhanced Atomic Layer Deposition (PEALD). <i>Integrated Ferroelectrics</i> , <b>2004</b> , 68, 129-137	0.8	22
87	Diluted Magnetic Semiconducting Ti[sub 1-x]Co[sub x]O[sub 2] Thin Films Grown onto SiO[sub 2](200 nm)/Si Substrates by Liquid-Delivery MOCVD. <i>Journal of the Electrochemical Society</i> , <b>2004</b> , 151, G227	3.9	2
86	Characteristics of Pt and TaN Metal Gate Electrode for High-κHafnium Oxide Gate Dielectrics. <i>Electrochemical and Solid-State Letters</i> , <b>2004</b> , 7, G47		16
85	Plasma-Enhanced Atomic Layer Deposition of SrTa[sub 2]O[sub 6] Thin Films Using Sr[Ta(OC[sub 2]H[sub 5])[sub 5](OC[sub 2]H[sub 4]OCH[sub 3])][sub 2] as Precursor. <i>Journal of the Electrochemical Society</i> , <b>2004</b> , 151, C292	3.9	11
84	Structural and electrical properties of HfO <sub>x</sub> N <sub>y</sub> and HfO <sub>2</sub> gate dielectrics in TaN gated nMOSCAP and nMOSFET devices. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2004</b> , 22, 1755		22
83	Plasma Nitration of HfO[sub 2] Gate Dielectric in Nitrogen Ambient for Improvement of TaN/HfO[sub 2]/Si Performance. <i>Electrochemical and Solid-State Letters</i> , <b>2004</b> , 7, F59		11
82	Characterization of HfO[sub 2] and HfO[sub x]N[sub y] Gate Dielectrics Grown by PE Metallorganic CVD with a TaN Gate Electrode. <i>Journal of the Electrochemical Society</i> , <b>2004</b> , 151, G262	3.9	25
81	Electrical behavior of polymer hydrogel composed of poly(vinyl alcohol)-hyaluronic acid in solution. <i>Biosensors and Bioelectronics</i> , <b>2004</b> , 19, 531-6	11.8	45
80	Effect of the water state on the electrical bending behavior of chitosan/poly(diallyldimethylammonium chloride) hydrogels in NaCl solutions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2004</b> , 42, 914-921	2.6	7
79	Bending behavior of hydrogels composed of poly(methacrylic acid) and alginate by electrical stimulus. <i>Polymer International</i> , <b>2004</b> , 53, 1456-1460	3.3	45
78	Swelling characterization of the semiinterpenetrating polymer network hydrogels composed of chitosan and poly(diallyldimethylammonium chloride). <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 91, 2876-2880 <sup>39</sup>	2.9	39
77	Electrical sensitivity behavior of a hydrogel composed of polymethacrylic acid/poly(vinyl alcohol). <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 91, 3613-3617	2.9	42
76	Synthesis and characteristics of interpenetrating polymer network hydrogels composed of alginate and poly(diallyldimethylammonium chloride). <i>Journal of Applied Polymer Science</i> , <b>2004</b> , 91, 3705-3709	2.9	42

75	Characteristics of perovskite (Li <sub>0.5</sub> La <sub>0.5</sub> )TiO <sub>3</sub> solid electrolyte thin films grown by pulsed laser deposition for rechargeable lithium microbattery. <i>Electrochimica Acta</i> , <b>2004</b> , 50, 371-374	6.7	36
74	Thickness effect of Pb <sub>2</sub> Ru <sub>2</sub> O <sub>7</sub> conductive interfacial layers on ferroelectric properties of Pt/Pb(Zr <sub>0.35</sub> Ti <sub>0.65</sub> )O <sub>3</sub> /Pt capacitors. <i>Thin Solid Films</i> , <b>2004</b> , 468, 100-104	2.2	2
73	Optical and magnetic properties of laser-deposited Co-doped ZnO thin films. <i>Solid State Communications</i> , <b>2004</b> , 131, 677-680	1.6	63
72	Densification of SiCf/SiC composite by the multi-step of whisker growing and matrix filling. <i>Journal of Nuclear Materials</i> , <b>2004</b> , 329-333, 530-533	3.3	18
71	Structural and electrical properties of LiCoO <sub>2</sub> thin-film cathodes deposited on planar and trench structures by liquid-delivery metalorganic chemical vapour deposition. <i>Journal of Power Sources</i> , <b>2004</b> , 125, 236-241	8.9	44
70	Structural and ferroelectric properties of (Bi,Ce) <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films grown by pulsed laser deposition for ferroelectric random access memories. <i>Applied Surface Science</i> , <b>2004</b> , 227, 187-192	6.7	9
69	Laser Treatment at Room Temperature for Improvement of Dielectric Properties in Plasma-Enhanced Atomic Layer Deposited TiO <sub>2</sub> Thin Films. <i>Integrated Ferroelectrics</i> , <b>2004</b> , 68, 63-73	0.8	3
68	Growth and Ferroelectric Characterization of Cerium-Modified Bismuth Titanate Thin Film Deposited on GaN Substrate by Pulsed Laser Deposition. <i>Integrated Ferroelectrics</i> , <b>2004</b> , 66, 253-260	0.8	
67	Polyacrylic acid/poly(vinyl sulfonic acid, sodium salt) copolymer hydrogel actuator under an electric field <b>2004</b> , 5385, 475		
66	Synthesis and characteristics of semi-interpenetrating polymer network hydrogels of chitosan and polyaniline <b>2004</b> , 5385, 490		
65	Microwave Tunable Properties of Ni-Doped (Ba <sub>0.5</sub> Sr <sub>0.5</sub> )TiO <sub>3</sub> Thin Films Grown by Pulsed Laser Deposition. <i>Integrated Ferroelectrics</i> , <b>2003</b> , 55, 877-885	0.8	2
64	Electrical characterizations of smart hydrogel based on alginate/poly (diallyldimethylammonium chloride) in solutions <b>2003</b> ,		1
63	Pt Thin Film Collectors Prepared by Liquid-Delivery MetalOrganic CVD Using Pt(C <sub>2</sub> H <sub>5</sub> C <sub>5</sub> H <sub>4</sub> )(CH <sub>3</sub> ) <sub>3</sub> for LiCoO <sub>2</sub> Thin Film Cathodes. <i>Chemical Vapor Deposition</i> , <b>2003</b> , 9, 321-325		11
62	Thermal properties of poly(vinyl alcohol)/poly(diallyldi-methylammonium chloride) interpenetrating polymer networks. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 88, 1346-1349	2.9	2
61	Water sorption of poly(vinyl alcohol)/ poly(diallyldimethylammonium chloride) interpenetrating polymer network hydrogels. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 90, 1389-1392	2.9	10
60	Thermal properties of poly(vinyl alcohol)/poly(diallyldimethylammonium chloride) interpenetrating polymer networks. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 88, 2719-2719	2.9	
59	Electrical sensitive behavior of a polyelectrolyte complex composed of chitosan/hyaluronic acid. <i>Solid State Ionics</i> , <b>2003</b> , 164, 199-204	3.3	38
58	Electrical sensitive behavior of poly(vinyl alcohol)/poly (diallyldimethylammonium chloride) IPN hydrogel. <i>Sensors and Actuators B: Chemical</i> , <b>2003</b> , 88, 286-291	8.5	38

57	Characteristics of electrical responsive alginate/poly(diallyldimethylammonium chloride) IPN hydrogel in HCl solutions. <i>Sensors and Actuators B: Chemical</i> , <b>2003</b> , 96, 1-5	8.5	33
56	Effect of Oxygen Flow Rate on Microstructural and Ferromagnetic Properties of $\text{Ti}_{1-x}\text{Co}_x\text{O}_2$ Thin Films Grown by Liquid-Delivery MOCVD. <i>Electrochemical and Solid-State Letters</i> , <b>2003</b> , 6, C120		1
55	Control of the Interfacial Layer Thickness in Hafnium Oxide Gate Dielectric Grown by PECVD. <i>Journal of the Electrochemical Society</i> , <b>2003</b> , 150, F75	3.9	26
54	Ultrathin $\text{HfO}_2$ gate dielectric grown by plasma-enhanced chemical vapor deposition using $\text{Hf}[\text{OC}(\text{CH}_3)_3]_4$ as a precursor in the absence of $\text{O}_2$ . <i>Journal of Materials Research</i> , <b>2003</b> , 18, 60-65	2.5	6
53	NiCr Alloy As Both Absorption Layer and Top Electrode onto $\text{Pb}(\text{Zr}_{0.3}\text{Ti}_{0.7})\text{O}_3$ Thin Films for Infrared Sensors. <i>Integrated Ferroelectrics</i> , <b>2003</b> , 54, 741-746	0.8	1
52	Improvement in ferroelectric properties of $\text{Pb}(\text{Zr}_{0.35}\text{Ti}_{0.65})\text{O}_3$ thin films using a $\text{Pb}_2\text{Ru}_2\text{O}_7$ conductive interfacial layer for ferroelectric random access memory application. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 2880-2882	3.4	15
51	Improvement of discharge capacity of $\text{LiCoO}_2$ thin-film cathodes deposited in trench structure by liquid-delivery metalorganic chemical vapor deposition. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 3345-3347	3.4	23
50	Thermal Stability and Electrical Properties of $\text{HfO}_x\text{Ny}$ Gate Dielectrics with TaN Gate Electrode. <i>Transactions on Electrical and Electronic Materials</i> , <b>2003</b> , 4, 34-37	1.7	
49	Microwave Tunable Properties of Ni-Doped $(\text{Ba}_{0.5}\text{Sr}_{0.5})\text{TiO}_3$ Thin Films Grown by Pulsed Laser Deposition. <i>Integrated Ferroelectrics</i> , <b>2003</b> , 55, 877-885	0.8	3
48	Imprint Characteristics Of $\text{SrBi}_2\text{Ta}_2\text{O}_9$ Thin Films Deposited by Liquid-Delivery Metal Organic Chemical Vapor Deposition. <i>Ferroelectrics</i> , <b>2002</b> , 271, 341-346	0.6	2
47	Structural Stability of $(\text{Ba,Sr})\text{RuO}_3$ Electrodes on Hydrogen Annealing and Effect of interfacial Layers in $(\text{Ba,Sr})\text{TiO}_3$ Thin Films. <i>Integrated Ferroelectrics</i> , <b>2002</b> , 47, 31-40	0.8	2
46	$(\text{Ba,Sr})\text{RuO}_3$ Bottom Electrode Deposited by Liquid Delivery Metalorganic Chemical Vapor Deposition for $(\text{Ba,Sr})\text{TiO}_3$ High Dielectric. <i>Ferroelectrics</i> , <b>2002</b> , 271, 111-116	0.6	2
45	The Role of $\text{Bi}_2\text{O}_3$ Interfacial Layer in Improvement of Ferroelectric Properties of $\text{SrBi}_2\text{Ta}_2\text{O}_9$ Thin Films Deposited by Liquid-Delivery MOCVD. <i>Integrated Ferroelectrics</i> , <b>2002</b> , 46, 205-214	0.8	1
44	Effect of Annealing Conditions on a Hafnium Oxide Reinforced $\text{SiO}_2$ Gate Dielectric Deposited by Plasma-Enhanced Metallorganic CVD. <i>Journal of the Electrochemical Society</i> , <b>2002</b> , 149, F18	3.9	50
43	Low-temperature Crystallization of $\text{SrBi}_2\text{Ta}_2\text{O}_9$ Thin Films with $\text{Bi}_2\text{O}_3$ Interfacial Layers by Liquid-delivery Metalorganic chemical Vapor Deposition. <i>Journal of Materials Research</i> , <b>2002</b> , 17, 26-30	2.5	5
42	Improvement in tunability and dielectric loss of $(\text{Ba}_{0.5}\text{Sr}_{0.5})\text{TiO}_3$ capacitors using seed layers on Pt/Ti/SiO <sub>2</sub> /Si substrates. <i>Journal of Materials Research</i> , <b>2002</b> , 17, 2831-2836	2.5	23
41	The Tunable Characteristics of Ni-Doped $(\text{Ba}_{0.5}\text{Sr}_{0.5})\text{TiO}_3$ Thin Films Deposited onto MOCVD- $(\text{Ba}_{0.5}\text{Sr}_{0.5})\text{RuO}_3$ Conductive Interfacial Layers. <i>Integrated Ferroelectrics</i> , <b>2002</b> , 49, 93-102	0.8	3
40	Influence of Narrow Transverse Slit in Ferroelectric Based Voltage Tunable Phase Shifter. <i>Japanese Journal of Applied Physics</i> , <b>2002</b> , 41, 7218-7221	1.4	4

39	Characterization of LiCoO <sub>2</sub> Thin Film Cathodes Deposited by Liquid-Delivery Metallorganic Chemical Vapor Deposition for Rechargeable Lithium Batteries. <i>Journal of the Electrochemical Society</i> , <b>2002</b> , 149, A1584	3.9	33
38	High Temperature Oxidation of TiAlN Thin Films for Memory Devices. <i>Integrated Ferroelectrics</i> , <b>2002</b> , 48, 281-290	0.8	8
37	NiCr Bottom Electrodes for Ta <sub>2</sub> O <sub>5</sub> High Dielectric Thin Films in Metal-Insulator-Metal Capacitors. <i>Integrated Ferroelectrics</i> , <b>2002</b> , 47, 41-48	0.8	6
36	Effects of Co-doping level on the microstructural and ferromagnetic properties of liquid-delivery metalorganic-chemical-vapor-deposited Ti <sub>1-x</sub> Co <sub>x</sub> O <sub>2</sub> thin films. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 4209-4211	1.4	53
35	Effects of bi <sub>2</sub> o <sub>3</sub> buffer layer on ferroelectric properties of srbi <sub>2</sub> ta <sub>2</sub> o <sub>9</sub> thin films by liquid-delivery mocvd. <i>Integrated Ferroelectrics</i> , <b>2001</b> , 36, 295-304	0.8	
34	Tunable characteristics of (Ba <sub>0.5</sub> Sr <sub>0.5</sub> ) TiO <sub>3</sub> (BST) capacitors using (Ba <sub>0.5</sub> Sr <sub>0.5</sub> ) RuO <sub>3</sub> (BSR) interfacial layers onto Pt/Ti/SiO <sub>2</sub> /Si substrates. <i>Metals and Materials International</i> , <b>2001</b> , 7, 631-635	2.4	1
33	Compositional Control of Ferroelectric SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> Thin Films by Liquid Delivery MOCVD Using a Single Cocktail of Sr[Ta(OEt) <sub>5</sub> (dmae)] <sub>2</sub> and Bi(C <sub>6</sub> H <sub>5</sub> ) <sub>3</sub> . <i>Journal of the Electrochemical Society</i> , <b>2001</b> , 148, C762	3.9	5
32	Structural stability of metalorganic chemical vapor deposited (Ba,Sr)RuO <sub>3</sub> electrodes for integration of high dielectric memory devices. <i>Integrated Ferroelectrics</i> , <b>2001</b> , 37, 11-20	0.8	
31	SrTa <sub>2</sub> O <sub>6</sub> Thin Films Deposited by Plasma-Enhanced Atomic Layer Deposition. <i>Japanese Journal of Applied Physics</i> , <b>2001</b> , 40, 6941-6944	1.4	39
30	Characteristics of Pt/YMnO <sub>3</sub> /Y <sub>2</sub> O <sub>3</sub> /Si structure using a Y <sub>2</sub> O <sub>3</sub> buffer layer grown by pulsed laser deposition. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2001</b> , 19, 239		2
29	Improvements in tunability of (Ba <sub>0.5</sub> Sr <sub>0.5</sub> )TiO <sub>3</sub> thin films by use of metalorganic chemical vapor deposited (Ba,Sr)RuO <sub>3</sub> interfacial layers. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 1012-1014	3.4	41
28	Characterization of the CeO <sub>2</sub> thin films for insulation layer and Pt/SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> /CeO <sub>2</sub> /Si MFISFET structure. <i>Integrated Ferroelectrics</i> , <b>2001</b> , 40, 191-199	0.8	
27	Improvement in ferroelectric properties of SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> thin films with Bi <sub>2</sub> O <sub>3</sub> buffer layers by liquid-delivery metalorganic chemical-vapor deposition. <i>Applied Physics Letters</i> , <b>2001</b> , 79, 1519-1521	3.4	27
26	Electrical properties of hafnium oxide gate dielectric deposited by plasma enhanced chemical vapor deposition. <i>Integrated Ferroelectrics</i> , <b>2001</b> , 38, 191-199	0.8	4
25	Characterization of (Ba <sub>0.5</sub> Sr <sub>0.5</sub> )TiO <sub>3</sub> thin films deposited onto metalorganic chemical vapor deposited (Ba,Sr)RuO <sub>3</sub> (BSR) seed layers for voltage tunable devices. <i>Integrated Ferroelectrics</i> , <b>2001</b> , 39, 281-289	0.8	
24	Effect of hydrogen on true leakage current characteristics of (Pb,La)(Zr,Ti)O <sub>3</sub> thin-film capacitors with Pt- or Ir-based top electrodes. <i>Journal of Materials Research</i> , <b>2001</b> , 16, 1185-1189	2.5	8
23	Electrical Properties of Srta <sub>2</sub> O <sub>6</sub> Thin Films Deposited by Plasma Enhanced Atomic Layer Deposition (Peald). <i>Materials Research Society Symposia Proceedings</i> , <b>2001</b> , 685, 1		
22	Electrical properties of Pb <sub>1-x</sub> La <sub>x</sub> (ZryTi <sub>1-y</sub> ) <sub>1-x/4</sub> O <sub>3</sub> thin films with various iridium-based top electrodes. <i>Integrated Ferroelectrics</i> , <b>2001</b> , 33, 155-164	0.8	

21	Ferroelectric SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> thin films deposited by liquid injection MOCVD using novel bimetallic alkoxide precursor. <i>Integrated Ferroelectrics</i> , <b>2000</b> , 30, 27-36	0.8	4
20	Integration of Pt/Ru electrode structures by metalorganic chemical-vapor deposition on poly-Si/SiO <sub>2</sub> /Si. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2000</b> , 18, 262		1
19	Bottom electrode structures of Pt/Ru and Ru deposited on polycrystalline silicon by MOCVD for DRAM capacitor. <i>Integrated Ferroelectrics</i> , <b>2000</b> , 31, 297-304	0.8	1
18	Characterization of (Ba <sub>1-x</sub> Sr <sub>x</sub> )TiO <sub>3</sub> thin films deposited on Pt/Ti/SiO <sub>2</sub> /Si substrates with different Ti buffer layer thicknesses. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>1999</b> , 17, 2182		11
17	Metal/ferroelectric/insulator/semiconductor structure of Pt/SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> /YMnO <sub>3</sub> /Si using YMnO <sub>3</sub> as the buffer layer. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 722-724	3-4	46
16	Effect of rf power on the growth and electrical properties of SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> thin films by plasma-enhanced metalorganic chemical vapor deposition. <i>Integrated Ferroelectrics</i> , <b>1999</b> , 26, 153-161	0.8	1
15	The zirconium doped (Ba <sub>0.65</sub> Sr <sub>0.35</sub> )(Ti <sub>1-x</sub> Zr <sub>x</sub> )O <sub>3</sub> thin films for gbit-scale dynamic random access memory device applications. <i>Integrated Ferroelectrics</i> , <b>1999</b> , 24, 65-74	0.8	2
14	Preparation of fatigue-free SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> thin films by r.f. magnetron sputtering and their ferroelectric properties. <i>Journal of Materials Science</i> , <b>1998</b> , 33, 2851-2855	4-3	4
13	Effect of second phase on the electrical properties of SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> (SBT) thin films deposited at 550°C by PEMOCVD. <i>Integrated Ferroelectrics</i> , <b>1998</b> , 21, 207-215	0.8	6
12	Preparation of ferroelectric YMnO <sub>3</sub> thin films for nonvolatile memory devices by metalorganic chemical vapor deposition. <i>Integrated Ferroelectrics</i> , <b>1998</b> , 21, 319-329	0.8	4
11	Effect of bismuth on the ferroelectric properties of SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> thin films deposited on Pt/SiO <sub>2</sub> /Si by a modified radio-frequency magnetron sputtering technique. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1998</b> , 16, 2505-2509	2.9	2
10	Effects of bottom electrodes on the leakage properties of sputtered BST thin films. <i>Integrated Ferroelectrics</i> , <b>1998</b> , 21, 185-195	0.8	1
9	Characterization of SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> ferroelectric thin films deposited at low temperatures by plasma-enhanced metalorganic chemical vapor deposition. <i>Applied Physics Letters</i> , <b>1997</b> , 71, 81-83	3-4	35
8	Electrical and structural properties of SrTiO <sub>3</sub> thin films deposited by plasma-enhanced metalorganic chemical vapor deposition. <i>Journal of Materials Research</i> , <b>1997</b> , 12, 1160-1164	2.5	15
7	Effect of annealing conditions on the microstructure of RuO <sub>2</sub> thin films deposited by metalorganic chemical vapor deposition. <i>Integrated Ferroelectrics</i> , <b>1997</b> , 18, 171-182	0.8	5
6	Electrical properties of SrBi <sub>2</sub> Ta <sub>2</sub> O <sub>9</sub> thin films deposited by RF magnetron sputtering. <i>Integrated Ferroelectrics</i> , <b>1997</b> , 18, 377-387	0.8	6
5	Effects of SrF <sub>2</sub> phase on electrical properties of SrTiO <sub>3</sub> thin films deposited by plasma-enhanced metalorganic chemical vapor deposition. <i>Integrated Ferroelectrics</i> , <b>1997</b> , 14, 105-113	0.8	2
4	Characterization of (Ba <sub>0.5</sub> Sr <sub>0.5</sub> )TiO <sub>3</sub> thin films by the laser ablation technique and their electrical properties with different electrodes. <i>Integrated Ferroelectrics</i> , <b>1995</b> , 7, 329-339	0.8	19

3	Characterization of (Pb <sub>1-x</sub> La <sub>x</sub> )TiO <sub>3</sub> thin films grown by radio-frequency magnetron sputtering and their electrical properties. <i>Integrated Ferroelectrics</i> , <b>1995</b> , 10, 63-72	0.8	11
2	NiCr Bottom Electrodes for Ta <sub>2</sub> O <sub>5</sub> High Dielectric Thin Films in Metal-Insulator-Metal Capacitors		1
1	Organic/Inorganic Halide Perovskites for Mechanical Energy Harvesting Applications		