

Lourdes G Salamanca-Riba

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.

207
papers

7,351
citations

37
h-index

83
g-index

215
ext. papers

7,694
ext. citations

4.4
avg, IF

4.93
L-index

#	Paper	IF	Citations
207	Analytical electron microscopy of (2 01) Ga ₂ O ₃ /SiO ₂ and (2 01) Ga ₂ O ₃ /Al ₂ O ₃ interface structures in MOS capacitors. <i>Journal of Applied Physics</i> , 2021 , 129, 195705	2.5	1
206	Tunable mechanical behavior of graphene nanoribbon-metal composites fabricated through an electrocharge-assisted process. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 800, 140289	5.3	1
205	Electron beam-induced crystallization of AlO gate layer on GaO MOS capacitors. <i>Micron</i> , 2021 , 140, 102954	2.3	5
204	Millisecond synthesis of CoS nanoparticles for highly efficient overall water splitting. <i>Nano Research</i> , 2019 , 12, 2259-2267	10	57
203	Transformation-Induced Magnetoelasticity in FeGa Alloys. <i>Advanced Engineering Materials</i> , 2019 , 21, 1900399	3.5	6
202	Improving microstructural quantification in FIB/SEM nanotomography. <i>Ultramicroscopy</i> , 2018 , 184, 24-38	3.1	29
201	Analysis of the electronic and chemical structure in boron and phosphorus passivated 4H-SiC/SiO ₂ interfaces using HRTEM and STEM-EELS. <i>Applied Physics Letters</i> , 2018 , 113, 193503	3.4	5
200	High Temperature Synthesis of Single-Component Metallic Nanoparticles. <i>ACS Central Science</i> , 2017 , 3, 294-301	16.8	26
199	Teaching an Old Material New Tricks: Easy and Inexpensive Focused Ion Beam (FIB) Sample Protection Using Conductive Polymers. <i>Microscopy and Microanalysis</i> , 2017 , 23, 872-877	0.5	1
198	FeS ₂ Nanoparticles Embedded in Reduced Graphene Oxide toward Robust, High-Performance Electrocatalysts. <i>Advanced Energy Materials</i> , 2017 , 7, 1700482	21.8	112
197	Synthesis and characterization of copper-nanocarbon films with enhanced stability. <i>Carbon</i> , 2017 , 122, 336-343	10.4	8
196	Characterization of carbon nanostructures in Al and Ag eutectic alloys. <i>Carbon</i> , 2017 , 111, 309-321	10.4	17
195	Near-Field Optical Properties of Fully Alloyed Noble Metal Nanoparticles. <i>Advanced Optical Materials</i> , 2017 , 5, 1600568	8.1	34
194	Long-Term Cr Poisoning Effect on LSCF-GDC Composite Cathodes Sintered at Different Temperatures. <i>Journal of the Electrochemical Society</i> , 2016 , 163, F1091-F1099	3.9	19
193	Sp ² carbon embedded in Al-6061 and Al-7075 alloys in the form of crystalline graphene nanoribbons. <i>Carbon</i> , 2016 , 107, 56-66	10.4	27
192	Nanocarbon-copper thin film as transparent electrode. <i>Applied Physics Letters</i> , 2015 , 106, 193108	3.4	12
191	Synthetic Alloys: Synthetic Crystals of Silver with Carbon: 3D Epitaxy of Carbon Nanostructures in the Silver Lattice (Adv. Funct. Mater. 30/2015). <i>Advanced Functional Materials</i> , 2015 , 25, 4746-4746	15.6	

190	Formation of nanometer-thick delaminated amorphous carbon layer by two-step plasma processing of methacrylate-based polymer. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015 , 33, 051601	1.3	8
189	Characterization of the Oxide-Semiconductor Interface in 4H-SiC/SiO ₂ Structures using TEM and XPS. <i>Microscopy and Microanalysis</i> , 2015 , 21, 1537-1538	0.5	3
188	Synthetic Crystals of Silver with Carbon: 3D Epitaxy of Carbon Nanostructures in the Silver Lattice. <i>Advanced Functional Materials</i> , 2015 , 25, 4768-4777	15.6	23
187	Three Dimensional Microstructural Characterization of Cathode Degradation in SOFCs Using FIB/SEM and TEM. <i>Microscopy and Microanalysis</i> , 2015 , 21, 2161-2162	0.5	2
186	Magnetization reversal in epitaxial highly anisotropic CoFe ₂ O ₄ hetero-structures. <i>Journal of Applied Physics</i> , 2015 , 117, 17B727	2.5	2
185	ZnO nanorod-smectic liquid crystal composites: Role of ZnO particle size, shape, and concentration on liquid crystal order and current-voltage properties. <i>Journal of Applied Physics</i> , 2014 , 115, 164313	2.5	15
184	Temperature dependence of magnetic and magnetotransport properties in BiFeO ₃ thin films by pulsed laser deposition. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1636, 1		
183	In situ elevated temperature transmission electron microscopy of sensitized aluminum-magnesium alloy treated by ultrasonic impact treatment. <i>Journal of Materials Research</i> , 2014 , 29, 1456-1462	2.5	3
182	Physical and Mechanical Characterization of a Nanocarbon Infused Aluminum-Matrix Composite. <i>Materials Performance and Characterization</i> , 2014 , 3, 20130023	0.5	3
181	Microstructural Evolution of Severely Plastically Deformed Sensitized Aluminum 5456-H116 Treated by Ultrasonic Impact Treatment. <i>Advanced Engineering Materials</i> , 2013 , 15, 1105-1110	3.5	6
180	Systematic structural and chemical characterization of the transition layer at the interface of NO-annealed 4H-SiC/SiO ₂ metal-oxide-semiconductor field-effect transistors. <i>Journal of Applied Physics</i> , 2013 , 113, 044517	2.5	30
179	Magnetic properties of Al doped TbMnO ₃ thin films grown by pulsed laser deposition. <i>Journal of Applied Physics</i> , 2012 , 112, 033914	2.5	6
178	Piezoresponse Force Microscopy Studies on (100), (110) and (111) Epitaxially Growth BiFeO ₃ Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1477, 7		1
177	Magnetoelectric relaxation in rhombohedral LiNbO ₃ -CoFe ₂ O ₄ . <i>Applied Physics Letters</i> , 2012 , 100, 262907	3.4	4
176	Novel Metal-Matrix Composites With Integrally-Bound Nanoscale Carbon 2012 ,		4
175	Liquid crystal-ZnO nanoparticle photovoltaics: Role of nanoparticles in ordering the liquid crystal. <i>Applied Physics Letters</i> , 2010 , 97, 223301	3.4	31
174	In situ observation of reversible nanomagnetic switching induced by electric fields. <i>Nano Letters</i> , 2010 , 10, 1219-23	11.5	138
173	Hexadecylamine capped silver and gold nanoparticles: Comparative study on formation and self-organization. <i>Materials Chemistry and Physics</i> , 2010 , 123, 540-545	4.4	33

172	Synthesis and characterization of Nb ₂ AlC thin films. <i>Thin Solid Films</i> , 2009 , 517, 2920-2923	2.2	40
171	Exchange bias in thin-film (Co/Pt) ₃ /Cr ₂ O ₃ multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 1955-1958	2.8	30
170	Flame synthesis of nanosized Cu-Ce-O, Ni-Ce-O, and Fe-Ce-O catalysts for the water-gas shift (WGS) reaction. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 2624-35	9.5	42
169	Combinatorial discovery of a lead-free morphotropic phase boundary in a thin-film piezoelectric perovskite. <i>Applied Physics Letters</i> , 2008 , 92, 202904	3.4	231
168	Role of oxygen partial pressure and seed layer chemistry in flux mediated epitaxy of single phase multiferroic BiFeO ₃ thin films. <i>Applied Physics Letters</i> , 2008 , 93, 192906	3.4	7
167	The Effects of Multiphase Formation on Strain Relaxation and Magnetization in Multiferroic BiFeO ₃ Thin Films. <i>Advanced Functional Materials</i> , 2007 , 17, 2594-2599	15.6	38
166	Heteroepitaxially enhanced magnetic anisotropy in BaTiO ₃ /CoFe ₂ O ₄ nanostructures. <i>Applied Physics Letters</i> , 2007 , 90, 113113	3.4	83
165	Effects of a-Si:H resist vacuum-lithography processing on HgCdTe. <i>Journal of Electronic Materials</i> , 2006 , 35, 1474-1480	1.9	
164	Fabrication of multiferroic epitaxial BiCrO ₃ thin films. <i>Applied Physics Letters</i> , 2006 , 88, 152902	3.4	36
163	Microstructure and phase control in BiFeO ₃ multiferroic nanocomposite thin films. <i>Applied Physics Letters</i> , 2006 , 88, 112505	3.4	53
162	Reduction of laser-induced roughness in a-Si:H surfaces for vacuum compatible lithography. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2006 , 24, 1684-1689	2.9	1
161	Size and shape evolution of embedded single-crystal Fe nanowires. <i>Applied Physics Letters</i> , 2005 , 87, 203110	3.4	14
160	Characterization of a-Si:H resists for a vacuum-compatible photolithography process. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2004 , 22, 1141		3
159	Suppression of antiphase domain boundary formation in Ba _{0.5} Sr _{0.5} TiO ₃ films grown on vicinal MgO substrates. <i>Applied Physics Letters</i> , 2004 , 85, 2905-2907	3.4	10
158	Preferred orientation of DNA oligonucleotide probes on the (2×2) reconstructed surface of (001) GaAs. <i>Journal of Applied Physics</i> , 2004 , 95, 6021-6024	2.5	9
157	Self-assembled single-crystal ferromagnetic iron nanowires formed by decomposition. <i>Nature Materials</i> , 2004 , 3, 533-8	27	154
156	On the origin of high-temperature ferromagnetism in the low-temperature-processed Mn-Zn-O system. <i>Nature Materials</i> , 2004 , 3, 709-14	27	444
155	Processing and characterization of a-Si:H photoresists for a vacuum-compatible photolithography process. <i>Journal of Electronic Materials</i> , 2004 , 33, 538-542	1.9	1

154	. <i>IEEE Transactions on Device and Materials Reliability</i> , 2004 , 4, 192-197	1.6	2
153	Evidence for power-law frequency dependence of intrinsic dielectric response in the CaCu ₃ Ti ₄ O ₁₂ . <i>Physical Review B</i> , 2004 , 70,	3.3	103
152	Three-dimensional heteroepitaxy in self-assembled BaTiO ₃ /CoFe ₂ O ₄ nanostructures. <i>Applied Physics Letters</i> , 2004 , 85, 2035-2037	3.4	125
151	Multiferroic BaTiO ₃ -CoFe ₂ O ₄ Nanostructures. <i>Science</i> , 2004 , 303, 661-3	33.3	1872
150	Ordering in (La,Sr)(Al,Ta)O ₃ substrates. <i>Journal of Materials Research</i> , 2003 , 18, 1698-1704	2.5	24
149	Topochemical anion metathesis routes to the Zr ₂ N ₂ S phases and the Na ₂ S and ACl derivatives (A = Na, K, Rb). <i>Journal of the American Chemical Society</i> , 2003 , 125, 4285-92	16.4	13
148	InAs nanowires and whiskers grown by reaction of indium with GaAs. <i>Applied Physics Letters</i> , 2003 , 82, 3749-3751	3.4	43
147	Attachment of DNA probes on gallium arsenide surface. <i>Applied Physics Letters</i> , 2003 , 83, 192-194	3.4	22
146	Role of Pb excess in the crystallization of lead zirconate titanate films derived via sol-gel processing. <i>Journal of Materials Research</i> , 2003 , 18, 1405-1411	2.5	3
145	Systematic study of effects of growth conditions on the (nano-, meso-, micro)size and (one-, two-, three-dimensional) shape of GaN single crystals grown by a direct reaction of Ga with ammonia. <i>Journal of Applied Physics</i> , 2003 , 94, 7749	2.5	34
144	Self-organized ordering in self-assembled quantum dot superlattices. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2002 , 88, 143-152	3.1	11
143	Strain relaxation in AlSb/GaSb heterostructures. <i>Solid-State Electronics</i> , 2002 , 46, 1643-1649	1.7	5
142	Depth profile study of ferroelectric PbZr _{0.2} Ti _{0.8} O ₃ films. <i>Journal of Applied Physics</i> , 2002 , 92, 6762-6767	2.5	14
141	Role of Ge on film quality of SiC grown on Si. <i>Journal of Applied Physics</i> , 2002 , 91, 668-671	2.5	12
140	Origin of antiphase domain boundaries and their effect on the dielectric constant of Ba _{0.5} Sr _{0.5} TiO ₃ films grown on MgO substrates. <i>Applied Physics Letters</i> , 2002 , 81, 4398-4400	3.4	16
139	Low-temperature integration of lead-based ferroelectric capacitors on Si with diffusion barrier layer. <i>Applied Physics Letters</i> , 2002 , 80, 3599-3601	3.4	32
138	Magnetic Properties of Ultrathin Laminated Co/Cu Films Prepared by Electrodeposition. <i>Journal of the Electrochemical Society</i> , 2002 , 149, C439	3.9	26
137	Properties of GaN epitaxial layers grown on 6H-SiC(0001) by plasma-assisted molecular beam epitaxy. <i>Journal of Electronic Materials</i> , 2001 , 30, 162-169	1.9	27

136	The concept of high angle wedge polishing and thickness monitoring in TEM sample preparation. <i>Ultramicroscopy</i> , 2001 , 88, 171-8	3.1	12
135	TEM investigation of self-organized PbSe quantum dots as a function of spacer layer thickness and growth temperature. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2001 , 80, 104-107	3.1	3
134	Growth of GaN on SiC(0001) by Molecular Beam Epitaxy. <i>Physica Status Solidi A</i> , 2001 , 188, 595-599		9
133	Phase diagram of lateral and vertical ordering in self-organized PbSe quantum dot superlattice grown MBE. <i>Journal of Crystal Growth</i> , 2001 , 227-228, 1126-1131	1.6	5
132	Growth of GaN nanowires by direct reaction of Ga with NH ₃ . <i>Journal of Crystal Growth</i> , 2001 , 231, 357-365		102
131	Correlation Between Structural Imperfection and Giant Magnetoresistance in Electrodeposited Co/Cu Multilayers. <i>Journal of the Electrochemical Society</i> , 2001 , 148, C518	3.9	39
130	Role of Ga flux in dislocation reduction in GaN films grown on SiC(0001). <i>Applied Physics Letters</i> , 2001 , 79, 3428-3430	3.4	55
129	Low-resistance Ti/Al/Ti/Au multilayer ohmic contact to n-GaN. <i>Journal of Applied Physics</i> , 2001 , 89, 6214-6217	3.5	82
128	Control of domain structure of epitaxial PbZr _{0.2} Ti _{0.8} O ₃ thin films grown on vicinal (001) SrTiO ₃ substrates. <i>Applied Physics Letters</i> , 2001 , 79, 2805-2807	3.4	23
127	Dependence of dielectric properties on internal stresses in epitaxial barium strontium titanate thin films. <i>Applied Physics Letters</i> , 2001 , 78, 2354-2356	3.4	117
126	Structural Characterization of GaN Nanowires Fabricated via Direct Reaction of Ga Vapor and Ammonia. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 675, 1		4
125	Atomic Force Microscopy and Transmission Electron Microscopy Study of Self-Organized Ordering in Vertically Aligned PbSe Quantum Dot Superlattices. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 696, 1		
124	Controlling of lateral and vertical order in self-organized PbSe quantum dot superlattices. <i>Springer Proceedings in Physics</i> , 2001 , 355-358	0.2	
123	Growth and characterization of hexagonal (Zn,Mg)(S,Se) bulk substrates. <i>Journal of Crystal Growth</i> , 2000 , 212, 83-91	1.6	8
122	Nearly perfect 3D ordering in IV-VI quantum dot superlattices with ABCABC... vertical stacking sequence. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2000 , 7, 870-875	3	9
121	Correlation between oxidation resistance and crystallinity of TiAl as a barrier layer for high-density memories. <i>Acta Materialia</i> , 2000 , 48, 3387-3394	8.4	23
120	SiC/Si(111) film quality as a function of GeH ₄ flow in an MOCVD reactor. <i>Journal of Electronic Materials</i> , 2000 , 29, 359-363	1.9	4
119	TEM Study of Bulk AlN Growth by Physical Vapor Transport. <i>MRS Internet Journal of Nitride Semiconductor Research</i> , 2000 , 5, 384-390		

118	Optimization of Bismuth Nanowire Arrays by Electrochemical Deposition. <i>Materials Research Society Symposia Proceedings</i> , 2000 , 626, 1111		
117	Molecular-beam epitaxy growth and nitrogen doping of hexagonal ZnSe and ZnCdSe/ZnSe quantum well structures on hexagonal ZnMgSSe bulk substrates. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2000 , 18, 1711		10
116	Optimized structural properties of wurtzite GaN on SiC(0001) grown by molecular beam epitaxy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2000 , 18, 1915-1918	2.9	18
115	Tuning of vertical and lateral correlations in self-organized PbSe/Pb _{1-x} EuxTe quantum dot superlattices. <i>Physical Review Letters</i> , 2000 , 84, 4669-72	7.4	134
114	Electrical transport and magnetic properties of a possible electron-doped layered manganese oxide. <i>Physical Review B</i> , 2000 , 61, 4141-4145	3.3	5
113	Dielectric properties in heteroepitaxial Ba _{0.6} Sr _{0.4} TiO ₃ thin films: Effect of internal stresses and dislocation-type defects. <i>Applied Physics Letters</i> , 2000 , 77, 1695-1697	3.4	222
112	Growth of large-scale GaN nanowires and tubes by direct reaction of Ga with NH ₃ . <i>Applied Physics Letters</i> , 2000 , 77, 3731-3733	3.4	184
111	Formation of the (La _{0.67} Sr _{0.33}) ₂ MnO ₄ Phase in LaBrMnO ₄ Thin Films by Pulsed Laser Deposition. <i>Journal of Materials Research</i> , 2000 , 15, 1524-1527	2.5	4
110	The Effect of Ge on the Structure & Morphology of SiC Films Grown on (111) Si Substrates. <i>Materials Science Forum</i> , 2000 , 338-342, 277-280	0.4	1
109	TEM Study of the Morphology Of GaN/SiC (0001) Grown at Various Temperatures by MBE. <i>MRS Internet Journal of Nitride Semiconductor Research</i> , 2000 , 5, 238-244		
108	Pulsed laser deposition of titanium nitride films on sapphire. <i>Journal of Materials Research</i> , 1999 , 14, 3298-3302	2.5	14
107	Thickness dependence of structural and electrical properties in epitaxial lead zirconate titanate films. <i>Journal of Applied Physics</i> , 1999 , 86, 595-602	2.5	129
106	Inversion of wurtzite GaN(0001) by exposure to magnesium. <i>Applied Physics Letters</i> , 1999 , 75, 808-810	3.4	176
105	Pulsed laser deposition and processing of wide band gap semiconductors and related materials. <i>Journal of Electronic Materials</i> , 1999 , 28, 275-286	1.9	30
104	Structural and magnetic properties of electrodeposited Co/Cu multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 198-199, 52-54	2.8	23
103	Direct experimental study of the microscopic remagnetization mechanism in Co/Cu magnetic superlattices. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 198-199, 477-479	2.8	2
102	Effect of Ge on SiC Film Morphology in SiC/Si Films Grown by MOCVD. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 572, 185		
101	Tem Investigation of Self-Organized PbSe Quantum Dots as a Function of Spacer Layer Thickness and Growth Temperature. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 583, 87		

100	TEM Study of the Morphology Of GaN/SiC (0001) Grown at Various Temperatures by MBE. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 595, 1		
99	TEM Study of Bulk AlN Growth by Physical Vapor Transport. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 595, 1		2
98	Tem Investigation of Growth Temperature Dependence in Pulsed-Laser Ablated PLZT Films for Pyroelectric Applications. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 596, 563		
97	Cation Ordering Structure in La _{0.8} Ca _{0.2} MnO ₃ Thin Films by Pulsed Laser Deposition. <i>Materials Research Society Symposia Proceedings</i> , 1999 , 602, 81		
96	Growth of GaAsN/GaAs, GaInAsN/GaAs and GaInAsN/GaAs quantum wells by low-pressure organometallic chemical vapor deposition. <i>Journal of Crystal Growth</i> , 1998 , 195, 427-437	1.6	68
95	Fabrication and characterization of epitaxial AlN/TiN bilayers on sapphire. <i>Thin Solid Films</i> , 1998 , 323, 37-41	2.2	30
94	Advances in pulsed laser deposition of nitrides and their integration with oxides. <i>Applied Surface Science</i> , 1998 , 127-129, 431-439	6.7	36
93	Structural and magnetic fourfold symmetry of Co/Cu multilayers electrodeposited on Si(001) substrates. <i>Journal of Applied Physics</i> , 1998 , 84, 1504-1507	2.5	19
92	Heteroepitaxy of ZnO on GaN and its implications for fabrication of hybrid optoelectronic devices. <i>Applied Physics Letters</i> , 1998 , 73, 348-350	3.4	391
91	Optical Phase and Amplitude Modulation in (9/65/35) Pb-La-Zr-Ti-O Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 541, 753		
90	The Nanofabrication of Quantum Wires for the Next Generation of Thermoelectrics. <i>Materials Research Society Symposia Proceedings</i> , 1998 , 545, 209		2
89	Surface Reconstruction during Molecular Beam Epitaxial Growth of GaN (0001). <i>MRS Internet Journal of Nitride Semiconductor Research</i> , 1998 , 3, 1		58
88	Heteroepitaxial Growth Of ZnO Films BY PLD. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 474, 383		1
87	Growth Mechanism and Structure of AlN Films Grown on Sapphire by MOCVD. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 482, 229		3
86	The Reduction of The Defect Density in CdTe Buffer Layers for The Growth of HgCdTe Infrared Photodiodes on Si (211) Substrates. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 484, 329		1
85	The Reduction of the Defect Density in CdTe Buffer Layers for The Growth of HgCdTe Infrared Photodiodes on Si (211) Substrates. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 487, 607		2
84	Microstructure Investigations and Structure-Property Correlations in Ferroelectric thin film Capacitors. <i>Materials Research Society Symposia Proceedings</i> , 1997 , 493, 171		1
83	Observation of Dark Line Defects in Optically Degraded ZnS _x Se _{1-x} -based Light Emitting Diodes by Transmission Electron Microscopy. <i>Japanese Journal of Applied Physics</i> , 1996 , 35, 5333-5337	1.4	1

82	Unusual Metal-Insulator Transitions in the LaTi _{1-x} VxO ₃ Perovskite Phases. <i>Chemistry of Materials</i> , 1996 , 8, 418-427	9.6	11
81	Magnetoresistive Properties of Quasiperiodic Metallic Multilayers. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 451, 419		4
80	Structure and Morphology of MBE Fabricated Zn _{0.5} Fe _{0.5} Se On GaAs as a Function of Substrate Preparation and Growth Temperature. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 441, 139		
79	Comparison of the Microstructure of AlN Films Grown by MOCVD and by PLD on Sapphire Substrates. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 449, 453		1
78	Structural Characteristics of MOCVD Grown AlN Films with Different Carbon Concentration. <i>Materials Research Society Symposia Proceedings</i> , 1996 , 449, 555		1
77	Observation of [100] and [010] dark line defects in optically degraded znse-based leds by transmission electron microscopy. <i>Journal of Electronic Materials</i> , 1996 , 25, 239-243	1.9	3
76	Very low defect density ZnSe grown on GaAs by atmospheric pressure metal organic chemical vapor deposition. <i>Materials Chemistry and Physics</i> , 1996 , 45, 88-91	4.4	2
75	Growth and characterization of InGa blue light-emitting diodes using short period superlattices. <i>Applied Physics Letters</i> , 1996 , 68, 379-381	3.4	30
74	Heteroepitaxy of CdTe on {211} Si using crystallized amorphous ZnTe templates. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1996 , 14, 2366		44
73	Misfit strain induced tweed-twin transformation on composition modulation Zn _{1-x} MgxSxSe _{1-y} layers and the quality control of the ZnSe buffer/GaAs interface. <i>Journal of Electronic Materials</i> , 1995 , 24, 155-162	1.9	7
72	Wide band gap MgZnSSe grown on (001) GaAs by molecular beam epitaxy. <i>Applied Physics Letters</i> , 1995 , 66, 3462-3464	3.4	16
71	Characteristics of oxygen over-reduced Nd _{1.85} Ce _{0.15} CuO _{4-y} films. <i>Applied Physics Letters</i> , 1995 , 66, 2137-2139	3.4	14
70	On the generation of a cross grid of extended screw-type misfit dislocations on the ZnS x Se _{1-x} /GaAs interface. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1995 , 71, 883-899		4
69	Generation of degradation defects, stacking faults, and misfit dislocations in ZnSe-based films grown on GaAs. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1995 , 13, 1694		85
68	Chemical Ordering: A New Direction in Diluted Magnetic Semiconductors. <i>Materials Science Forum</i> , 1995 , 182-184, 435-442	0.4	1
67	Giant magnetoresistance of electrodeposited CoNiCu/Cu multilayers. <i>Scripta Metallurgica Et Materialia</i> , 1995 , 33, 1643-1646		12
66	Dependence of the density and type of stacking faults on the surface treatment of the substrate and growth mode in ZnSxSe _{1-y} /ZnSe buffer layer/GaAs heterostructures. <i>Applied Physics Letters</i> , 1995 , 67, 3298-3300	3.4	62
65	Ion-Assisted Pulsed Laser Deposition of BN Films. <i>Materials Research Society Symposia Proceedings</i> , 1995 , 388, 165		

64	Double Periodicity Formation in EuTe/PbTe Superlattices. <i>Materials Research Society Symposia Proceedings</i> , 1995 , 399, 543		3
63	Dislocation nucleation mechanism in nitrogen-doped ZnSe/GaAs. <i>Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties</i> , 1994 , 69, 301-313		17
62	Effect of substrate materials on laser deposited Nd _{1.85} Ce _{0.15} CuO ₄ films. <i>Journal of Materials Research</i> , 1994 , 9, 1376-1383	2.5	6
61	Giant magnetoresistance peaks in CoNiCu/Cu multilayers grown by electrodeposition. <i>Journal of Applied Physics</i> , 1994 , 76, 6519-6521	2.5	52
60	Determination of the optical constants of ZnSe films by spectroscopic ellipsometry. <i>Journal of Applied Physics</i> , 1994 , 76, 514-517	2.5	51
59	Superconducting and structural properties of Nd _{2-x} Ce _x CuO ₄ thin films on perovskite and fluorite substrates. <i>Journal of Applied Physics</i> , 1994 , 75, 2119-2124	2.5	13
58	Composition modulation in lattice matched Zn _{1-x} Mg _x SySe _{1-y} /ZnSe buffer layer/GaAs heterostructures. <i>Applied Physics Letters</i> , 1994 , 65, 1230-1232	3.4	24
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