

# R Dhanasekaran

## 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.

190  
papers

1,965  
citations

22  
h-index

35  
g-index

224  
ext. papers

2,229  
ext. citations

2.4  
avg, IF

5.1  
L-index

#	Paper	IF	Citations
190	Insights into recombination channels in a CVT grown ZnSe single crystal. <i>Applied Physics A: Materials Science and Processing</i> , <b>2022</b> , 128, 1	2.6	1
189	Optimum Band $\square$ Shaped Miniature Implantable Antennas for Telemetry Applications. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2021</b> , 69, 55-63	4.9	8
188	Multi-Class Brain Tumor Classification System in MRI Images Using Support Vector Neural Network. <i>Lecture Notes in Electrical Engineering</i> , <b>2021</b> , 1007-1014	0.2	
187	Security Enhancement and Monitoring for Data Sensing Networks Using a Novel Asymmetric Mirror-Key Data Encryption Method. <i>Studies in Big Data</i> , <b>2021</b> , 65-78	0.9	1
186	Dielectric and conductivity properties of flux grown Ce doped NBT-BT single crystals. <i>Physica B: Condensed Matter</i> , <b>2020</b> , 582, 411978	2.8	0
185	Early diagnosis of Glaucoma in retinal images using multi structure descriptor and hybrid neural network classifiers. <i>Multimedia Tools and Applications</i> , <b>2020</b> , 79, 16915-16925	2.5	0
184	Influence of transition metal ions on multiferroic properties of lead-free NBTBT ceramics. <i>Journal of Advanced Dielectrics</i> , <b>2019</b> , 09, 1950045	1.3	0
183	Payload fragmentation framework for high-performance computing in cloud environment. <i>Journal of Supercomputing</i> , <b>2019</b> , 75, 2789-2804	2.5	2
182	Brain Tumor Segmentation Based on Clustering Using Pixel Intensity Variance of Pattern Recognition. <i>Lecture Notes in Computational Vision and Biomechanics</i> , <b>2018</b> , 689-696	0.3	
181	Selected Studies of Electromagnetic Exposure Levels in the Countries of Asia $\square$ A Review <b>2018</b> ,		1
180	A Review on Current Issues of Radio Frequency Identification Devices in Magnetic Resonance Imaging <b>2018</b> ,		2
179	Energy Efficient Data Transmission Approaches for Wireless Industrial Automation. <i>Current Signal Transduction Therapy</i> , <b>2018</b> , 13, 37-43	0.8	2
178	Improvement of opto-electro-structural properties of nanocrystalline CdS thin films induced by Au <sup>9+</sup> ion irradiation. <i>Thin Solid Films</i> , <b>2017</b> , 626, 117-125	2.2	10
177	Effects of electromagnetic interference on the functional usage of medical equipment by 2G/3G/4G cellular phones: A review. <i>Journal of Advanced Research</i> , <b>2016</b> , 7, 727-738	13	40
176	Synthesis, structural, morphological and electrical properties of NBTBT ceramics for piezoelectric applications. <i>Ceramics International</i> , <b>2016</b> , 42, 6054-6064	5.1	32
175	Growth of NBTBT single crystals by flux method and their structural, morphological and electrical characterizations. <i>Journal of Crystal Growth</i> , <b>2016</b> , 441, 64-70	1.6	10
174	A review on design considerations of implantable antennas <b>2016</b> ,		5

173	Design and analysis of coupled inductor based high step-up DC-DC converter <b>2016,</b>		1
172	Investigation of diabetic retinopathy using GMM classifier <b>2016,</b>		2
171	Improvement of speed control performance in BLDC motor using fuzzy PID controller <b>2016,</b>		7
170	Simulation modelling and fault analysis of switched reluctance motor <b>2016,</b>		3
169	Effect of electromagnetic radiations on the functioning of medical devices from wireless local area networks [A review <b>2016,</b>		4
168	Intelligent controller based speed control of front end asymmetric converter fed switched reluctance motor <b>2016,</b>		2
167	DETECTION AND LOCALIZATION OF RETINAL EXUDATES FOR DIABETIC RETINOPATHY. <i>Journal of Biological Systems</i> , <b>2015</b> , 23, 195-212	1.6	5
166	Effect of gamma ray irradiation on sodium borate single crystals. <i>Radiation Physics and Chemistry</i> , <b>2015</b> , 117, 70-77	2.5	10
165	Structural, morphological and optical studies on CuAlS <sub>2</sub> and CuAlSe <sub>2</sub> nanorods prepared by hydrothermal method. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 645, 85-89	5.7	3
164	Effect of swift heavy ion (SHI) irradiation on the structural and optical properties of N implanted CVT grown ZnSe single crystals. <i>Materials Science in Semiconductor Processing</i> , <b>2015</b> , 36, 140-148	4.3	5
163	Growth and characterization of tris thiourea magnesium zinc sulphate single crystals. <i>Optik</i> , <b>2015</b> , 126, 3731-3736	2.5	22
162	Structural, optical and thermal properties of CuGaS <sub>2</sub> crystals by chemical vapor transport (CVT) method. <i>Optik</i> , <b>2015</b> , 126, 4326-4329	2.5	6
161	Efficient data transfer in mobile ad-hoc network using OPSM for disaster response applications. <i>Journal of Applied Research and Technology</i> , <b>2015</b> , 13, 392-401	1.7	2
160	Evaluation of Electromagnetic Interference between Critical Medical Devices and New Generation Cellular Phones. <i>Journal of Microwave Power and Electromagnetic Energy</i> , <b>2015</b> , 49, 160-170	1.4	2
159	Implementation of Single Phase Soft Switched PFC Converter for Plug-in-Hybrid Electric Vehicles. <i>Energies</i> , <b>2015</b> , 8, 13096-13111	3.1	6
158	Evaluation of Fluorosilicone [Silicone Elastomer Blend for Aeronautical Fuel System. <i>Progress in Rubber, Plastics and Recycling Technology</i> , <b>2015</b> , 31, 207-217	1.7	4
157	Investigation of the severity level of diabetic retinopathy using supervised classifier algorithms. <i>Computers and Electrical Engineering</i> , <b>2015</b> , 45, 312-323	4.3	24
156	Evaluation of performance of UHF passive RFID system in metal and liquid environment <b>2015,</b>		3

155	Synthesis of AgInS <sub>2</sub> semiconductor nano crystals by solvothermal method. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 73, 012147	0.4	2
154	Investigation of severity of diabetic retinopathy by detecting exudates with respect to macula <b>2015</b> ,		3
153	Optimization of power in Wireless Industrial Automation Networks <b>2015</b> ,		2
152	Interference Issues of Radio Frequency Identification Devices in Magnetic Resonance Imaging Systems and Computed Tomography Scan. <i>Journal of Magnetism</i> , <b>2015</b> , 20, 295-301	1.9	6
151	Optimal Power Flow with FACTS Controller Using Hybrid PSO. <i>Arabian Journal for Science and Engineering</i> , <b>2014</b> , 39, 3137-3146		8
150	Synthesis, growth and characterization of 4-dimethylaminobenzaldehyde-4-nitrophenylhydrazone single crystals. <i>Optik</i> , <b>2014</b> , 125, 2912-2917	2.5	2
149	Vibrational properties and phonon anharmonicity in ZnS <sub>1-x</sub> Se <sub>x</sub> : Inelastic neutron scattering, Raman scattering, X-ray diffraction measurements and lattice dynamical studies. <i>Physica B: Condensed Matter</i> , <b>2014</b> , 433, 149-156	2.8	4
148	Severity Analysis of Brain Tumor in MRI Images Using Modified Multi-texton Structure Descriptor and Kernel-SVM. <i>Arabian Journal for Science and Engineering</i> , <b>2014</b> , 39, 7073-7086		22
147	Hydrothermal synthesis of chalcopyrite CuInS <sub>2</sub> , CuInSe <sub>2</sub> and CuInTe <sub>2</sub> nanocubes and their characterization. <i>Current Applied Physics</i> , <b>2014</b> , 14, 1416-1420	2.6	17
146	Reduction of anti-ferroelectric temperature region in NBT-BT ceramics using 100 MeV O <sup>7+</sup> ion irradiation. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2014</b> , 318, 287-291	1.2	
145	DENIAL OF SERVICE ATTACK IN DISTRIBUTED WIRELESS NETWORK BY DISTRIBUTED JAMMER NETWORK: A BIRTH-DEATH RANDOM PROCESS ANALYSIS. <i>Journal of Computer Science</i> , <b>2014</b> , 10, 1397-1402	0.5	2
144	Assessment of safety and interference issues of radio frequency identification devices in 0.3 Tesla magnetic resonance imaging and computed tomography. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 735762	2.2	4
143	An AC/DC PFC Converter with Active Soft Switching Technique. <i>International Journal of Energy Optimization and Engineering</i> , <b>2014</b> , 3, 101-121	0.9	3
142	Comparison of Computational Electromagnetics for Electrostatic Analysis. <i>International Journal of Energy Optimization and Engineering</i> , <b>2014</b> , 3, 86-100	0.9	2
141	Fault Tolerant Techniques for Finite Field Multipliers. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 573, 209-214		3
140	Morphological process based segmentation for the detection of exudates from the retinal images of diabetic patients <b>2014</b> ,		7
139	IMPLEMENTATION OF RADIO FREQUENCY IDENTIFICATION DEVICES IN 0.3 TESLA MAGNETIC RESONANCE IMAGING AND COMPUTED TOMOGRAPHY. <i>Biomedical Engineering - Applications, Basis and Communications</i> , <b>2014</b> , 26, 1450069	0.6	2
138	Hybrid Anti-Windup Fuzzy PI Controller Based Direct Torque Control of Three Phase Induction Motor. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 573, 155-160	0.3	

137	Digital Control of Space Vector Pulse Width Modulation Based Shunt Active Filter. <i>Applied Mechanics and Materials</i> , <b>2014</b> , 573, 115-121	0.3	
136	Assessment and analysis of performance of 13.56 MHz passive RFID in metal and liquid environment <b>2014</b> ,		7
135	Pure and Nd added NBT-BT single crystals - Growth and their characterization <b>2014</b> ,		1
134	Identification of exudates for Diabetic Retinopathy based on morphological process and PNN classifier <b>2014</b> ,		11
133	Brain tumor severity analysis using modified multi-texton histogram and hybrid kernel SVM. <i>International Journal of Imaging Systems and Technology</i> , <b>2014</b> , 24, 72-82	2.5	9
132	Hybrid topology of asymmetric cascaded multilevel inverter with renewable energy sources <b>2014</b> ,		5
131	SEEMd -security enabled energy efficient middleware for WSN <b>2014</b> ,		2
130	Studies on structural and optical properties of ZnSe and ZnS <sub>Se</sub> single crystals grown by CVT method. <i>Journal of Crystal Growth</i> , <b>2014</b> , 401, 691-696	1.6	14
129	Computer Assisted Diagnosis of Tumor in Brain MRI Images using Wavelet as input to Ada-Boost classifier. <i>International Journal of Energy Optimization and Engineering</i> , <b>2014</b> , 3, 72-85	0.9	
128	Enhanced Possibilistic Fuzzy C-Means Algorithm for Normal and Pathological Brain Tissue Segmentation on Magnetic Resonance Brain Image. <i>Arabian Journal for Science and Engineering</i> , <b>2013</b> , 38, 2375-2388		7
127	Electromagnetic interference on critical medical equipments by RF devices <b>2013</b> ,		15
126	Diagnosis of diabetic retinopathy using morphological process and SVM classifier <b>2013</b> ,		32
125	Implementation of wireless data transmission in monitoring and control <b>2013</b> ,		4
124	Effect of SHI irradiation on NBTBT ceramics: Transformation of relaxor ferroelectric to ferroelectric nature. <i>Applied Surface Science</i> , <b>2013</b> , 265, 296-301	6.7	12
123	Synthesis, dielectric and relaxation behavior of lead free NBTBT ceramics. <i>Ceramics International</i> , <b>2013</b> , 39, 555-561	5.1	42
122	Synthesis and characterization of flower-like ZnSe nanostructured thin films by chemical bath deposition (CBD) method. <i>Applied Nanoscience (Switzerland)</i> , <b>2013</b> , 3, 125-131	3.3	23
121	Effect of N <sup>5+</sup> ion implantation on the optical properties of an organometallic complex zinc cadmium thiocyanate single crystal. <i>Optik</i> , <b>2013</b> , 124, 5537-5541	2.5	3
120	Effect of SHI irradiation on structural, surface morphological and optical studies of CVT grown ZnS <sub>Se</sub> single crystals. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 580, 284-289	5.7	13

119	A New High Step-Up Converter with Low Voltage Stress Using Coupled Inductor. <i>Communications in Computer and Information Science</i> , <b>2013</b> , 305-310	0.3	
118	Investigation on the linear and nonlinear optical properties of a metal organic complex Bis thiourea zinc acetate single crystal. <i>Optics and Laser Technology</i> , <b>2013</b> , 50, 150-154	4.2	45
117	Synthesis, growth and characterisation of tetrathiourea cadmium tetrathiocyanato zincate single crystals. <i>Journal of Crystal Growth</i> , <b>2013</b> , 362, 259-263	1.6	4
116	Effect of N5+ ion implantation in CVT grown ZnSe single crystals. <i>Journal of Crystal Growth</i> , <b>2013</b> , 362, 211-215	1.6	2
115	Crystal growth of lanthanum calcium borate (LCB) single crystals from melt and its characterization. <i>Journal of Crystal Growth</i> , <b>2013</b> , 362, 202-206	1.6	9
114	Growth of neodymium lanthanum calcium borate (NdLCB) single crystals by the Czochralski method and its characterisation. <i>Journal of Crystal Growth</i> , <b>2013</b> , 362, 189-192	1.6	1
113	Growth and characterization of a novel nonlinear optical borate crystal--yttrium calcium borate (YCB). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2013</b> , 110, 391-4	4.4	5
112	Electromagnetic interference on critical medical equipments by RFID system <b>2013</b> ,		4
111	Automatic detection of brain tumor in magnetic resonance images using multi-texton histogram and support vector machine. <i>International Journal of Imaging Systems and Technology</i> , <b>2013</b> , 23, 97-103	2.5	15
110	Structural, Dielectric, Piezoelectric and Ferroelectric Characterization of NBT-BT Lead-Free Piezoelectric Ceramics. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2013</b> , 43, 012010	0.4	13
109	Third order nonlinear studies and other characterization of 4-nitrophenol (4-NP) single crystals. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2013</b> , 43, 012004	0.4	5
108	Growth of Ce added NBT-BT single crystal by flux method and its characterization <b>2013</b> ,		1
107	Brain Tumor Detection using Fuzzy Support Vector Machine Classification based on a Texton Co-occurrence Matrix. <i>Journal of Imaging Science and Technology</i> , <b>2013</b> , 57, 1-7	1.2	16
106	Effect of 120MeV Au9+ ion irradiation on structural, optical and dielectric properties of YCa4O(BO3)3 nonlinear optical crystal. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2012</b> , 280, 134-139	1.2	6
105	RSS Based Energy Efficient Scheme for the Reduction of Overhearing and Rebroadcast for MANET. <i>Procedia Engineering</i> , <b>2012</b> , 38, 2463-2472		2
104	Efficient demosaicking of color images using theoretic reconstruction technique <b>2012</b> ,		2
103	EMI analysis and evaluation of an improved flyback converter <b>2012</b> ,		4
102	Investigation on the crystal growth and characterisation of an organometallic non linear optical crystal Tetrathiourea mercury tetrathiocyanato manganate. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2012</b> , 177, 1149-1155	3.1	18

101	Effect of annealing on the properties of chemical bath deposited nanorods of CdSe thin films. <i>Crystal Research and Technology</i> , <b>2012</b> , 47, 960-966	1.3	10
100	Effect of 120MeV Ag <sup>9+</sup> ion irradiation of YCOB single crystals. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2012</b> , 287, 109-112	1.2	3
99	Fuzzy Clustering and Deformable Model for Tumor Segmentation on MRI Brain Image: A Combined Approach. <i>Procedia Engineering</i> , <b>2012</b> , 30, 327-333		49
98	Structural, thermal, mechanical and z-scan studies on 4-nitrophenol single crystals. <i>Crystal Research and Technology</i> , <b>2012</b> , 47, 385-390	1.3	12
97	Synthesis and Characterization of Sodium Bis(2-ethylhexyl) Sulfonsuccinate (AOT) Capped Pure and Mn-Doped CdS Nanoparticles. <i>Journal of Nanomaterials</i> , <b>2012</b> , 2012, 1-8	3.2	1
96	Modeling of conducted EMI in flyback switching power converters <b>2011</b> ,		2
95	Power electronics in wind energy conversion systems [A survey across the globe <b>2011</b> ,		1
94	Growth and characterization of LCOB and NdLCOB single crystals for laser applications. <i>Journal of Crystal Growth</i> , <b>2011</b> , 318, 636-641	1.6	12
93	Wear Behavior of Surface Treated Alloy Steel with Assorted Blends of Fine Particles by Using Plasma Spray Process. <i>Advanced Materials Research</i> , <b>2011</b> , 383-390, 893-897	0.5	
92	Novel approach for segmentation of brain magnetic resonance imaging using intensity based thresholding <b>2010</b> ,		6
91	Intelligent soft-starter-based grid-integrated induction generator for pitch-regulated wind turbine system. <i>Electrical Engineering</i> , <b>2010</b> , 92, 57-68	1.5	5
90	Effect of oxygen vacancies on ferroelectric behavior of Na <sup>1/2</sup> Bi <sup>1/2</sup> TiO <sub>3</sub> BaTiO <sub>3</sub> single crystals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2009</b> , 156, 36-41	3.1	21
89	Flux growth of yttrium calcium oxy borate (YCOB) single crystals for nonlinear optical applications. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 541-543	1.6	14
88	Synthesis and characterization of borate based and AgGaS <sub>2</sub> materials. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2009</b> , 2, 012014	0.4	1
87	Growth of CuInTe <sub>2</sub> single crystals by iodine transport and their characterization. <i>Materials Research Bulletin</i> , <b>2008</b> , 43, 1996-2004	5.1	26
86	Two-Dimensional Cylindrical Model for the Chemical Vapor Transport of II-VI Compounds. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 671-674	3.5	
85	Influence of Mn doping on CuGaS <sub>2</sub> single crystals grown by CVT method and their characterization. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 115102	3	15
84	Effect of swift heavy ion Ag <sup>9+</sup> irradiation on the surface morphology, structure and optical properties of AgGaS <sub>2</sub> single crystals. <i>Semiconductor Science and Technology</i> , <b>2008</b> , 23, 125042	1.8	15

83	Effect of complexing agent (1,10-phenanthroline) on ADP and KDP crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2008</b> , 94, 15-20	4.1	16
82	Growth of YCOB single crystals by flux technique and their characterization. <i>Crystal Research and Technology</i> , <b>2008</b> , 43, 467-472	1.3	9
81	Stoichiometric single crystal growth of AgGaS <sub>2</sub> by iodine transport method and characterization. <i>Crystal Research and Technology</i> , <b>2008</b> , 43, 1292-1296	1.3	11
80	Inhomogeneity issues in the growth of Na <sub>1/2</sub> Bi <sub>1/2</sub> TiO <sub>3</sub> BaTiO <sub>3</sub> single crystals. <i>Journal of Crystal Growth</i> , <b>2008</b> , 310, 467-472	1.6	27
79	Growth of CuGaS <sub>2</sub> Single Crystals by Chemical Vapor Transport and Characterization. <i>Crystal Growth and Design</i> , <b>2007</b> , 7, 618-623	3.5	37
78	Effect of 80 MeV Au <sup>8+</sup> ions irradiation on CuInTe <sub>2</sub> single crystals grown by CVT technique. <i>Materials Science in Semiconductor Processing</i> , <b>2007</b> , 10, 252-257	4.3	11
77	Asymptotic results for a class of fourth order quasilinear difference equations. <i>Journal of Difference Equations and Applications</i> , <b>2007</b> , 13, 1085-1103	1	8
76	Enhancement of ferroelectric properties of Na <sub>1-x</sub> Bi <sub>1-x</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> single crystals by Ce dopings. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 102901	3.4	49
75	Liquid phase electro epitaxy growth kinetics of GaAs: A three-dimensional numerical simulation study. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2006</b> , 130, 137-145	3.1	3
74	Growth, structural phase transition and ferroelectric properties of Pb[(Zn <sub>1/3</sub> Nb <sub>2/3</sub> ) <sub>0.91</sub> Ti <sub>0.09</sub> ]O <sub>3</sub> single crystals. <i>Journal of Crystal Growth</i> , <b>2006</b> , 292, 399-403	1.6	7
73	Structural, optical and electrical properties of high energy irradiated Cl-VPE grown gallium nitride. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2006</b> , 129, 121-125	3.1	10
72	Effect of heat treatment and Si ion irradiation on ZnSxSe <sub>1-x</sub> single crystals grown by CVT method. <i>Journal of Crystal Growth</i> , <b>2005</b> , 275, e567-e570	1.6	5
71	Influence of ultrasonification in CdS thin film deposition in PCD technique. <i>Materials Letters</i> , <b>2005</b> , 59, 1795-1800	3.3	17
70	Effect of Si ion irradiation on polycrystalline CdS thin film grown from novel photochemical deposition technique. <i>Physica B: Condensed Matter</i> , <b>2005</b> , 355, 222-230	2.8	22
69	Nucleation kinetics and growth of ZnSxSe <sub>1-x</sub> single crystals from vapour phase. <i>Materials Chemistry and Physics</i> , <b>2004</b> , 87, 75-80	4.4	7
68	Growth of thiourea-doped TGS crystals and their characterisation. <i>Journal of Crystal Growth</i> , <b>2004</b> , 260, 414-421	1.6	28
67	Investigations on liquid phase electroepitaxial growth kinetics of GaAs. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2004</b> , 112, 91-95	3.1	5
66	On the chloride vapor-phase epitaxy growth of GaN and its characterization. <i>Journal of Crystal Growth</i> , <b>2004</b> , 260, 43-49	1.6	13



65	Synthesis, crystal growth and characterization of L-pyrrolidone-2-carboxylic acid (L-PCA) crystals. <i>Journal of Crystal Growth</i> , <b>2004</b> , 261, 70-76	1.6	101
64	Growth of nonlinear optical material: L-arginine hydrochloride and its characterisation. <i>Journal of Crystal Growth</i> , <b>2004</b> , 263, 510-516	1.6	78
63	Investigations on crystal growth and characterization of 3-methyl 4-nitropyridine1-oxide single crystals grown from different solvents. <i>Journal of Crystal Growth</i> , <b>2004</b> , 266, 528-532	1.6	1
62	In vitro solubility, growth and characterization of cholesteryl acetate. <i>Journal of Crystal Growth</i> , <b>2004</b> , 267, 301-305	1.6	1
61	Growth of GaN films by chloride vapour phase epitaxy. <i>Journal of Crystal Growth</i> , <b>2004</b> , 268, 475-477	1.6	4
60	Effect of ammonium sulphate on chemical bath deposition of CdS thin films. <i>Materials Letters</i> , <b>2004</b> , 58, 2381-2385	3.3	41
59	Electrical and optical isolation of GaN by high energy ion irradiation. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2003</b> , 207, 308-313	1.2	9
58	Growth of ZnSe thin films by electrocrystallization technique. <i>Materials Chemistry and Physics</i> , <b>2003</b> , 82, 268-272	4.4	14
57	Investigation on the nucleation kinetics of zinc thiourea chloride (ZTC) single crystals. <i>Materials Chemistry and Physics</i> , <b>2003</b> , 82, 273-280	4.4	39
56	Investigations on the electrical and mechanical properties of triglycine sulphate single crystals modified with some rare earth metal ions. <i>Materials Letters</i> , <b>2003</b> , 57, 3291-3295	3.3	20
55	Investigations on Nucleation and Growth Kinetics of Urea Crystals from Methanol. <i>Crystal Research and Technology</i> , <b>2002</b> , 37, 159-168	1.3	46
54	Studies on nucleation kinetics of In <sub>x</sub> Ga <sub>1-x</sub> N/GaN heterostructures. <i>Journal of Electronic Materials</i> , <b>2002</b> , 31, 227-233	1.9	
53	Thermal stability of GaN epitaxial layer and GaN/sapphire interface. <i>Physica B: Condensed Matter</i> , <b>2002</b> , 324, 223-228	2.8	8
52	Thermodynamic Calculations and Growth of ZnSe Single Crystals by Chemical Vapor Transport Technique. <i>Crystal Growth and Design</i> , <b>2002</b> , 2, 585-589	3.5	12
51	Comparison of near-T <sub>c</sub> behaviors of microwave absorption and resistance in bulk YBCO superconductors <b>2002</b> , 139-144		
50	Thermodynamics and nucleation kinetics of Al <sub>x</sub> Ga <sub>1-x</sub> N/GaN and In <sub>x</sub> Ga <sub>1-x</sub> N/GaN heterostructures. <i>Journal of Crystal Growth</i> , <b>2001</b> , 225, 141-144	1.6	
49	Simulation studies on the liquid phase electroepitaxial growth of III-V compound semiconductors. <i>Journal of Crystal Growth</i> , <b>2001</b> , 229, 169-174	1.6	4
48	Modeling of nucleation kinetics of ternary nitrides from vapour phase. <i>Journal of Crystal Growth</i> , <b>2001</b> , 230, 258-262	1.6	2

47	Studies on organic indole-3-aldehyde single crystals. <i>Journal of Crystal Growth</i> , <b>2000</b> , 212, 227-232	1.6	89
46	Concentration profile surfaces and contour studies of GaSb by liquid phase epitaxy using a simulation technique. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1999</b> , 64, 161-169	3.1	
45	Habit modification of potassium acid phthalate (KAP) single crystals by impurities. <i>Journal of Crystal Growth</i> , <b>1999</b> , 207, 325-329	1.6	34
44	Simulation studies of liquid phase epitaxial growth of $\text{In}_{1-x}\text{Ga}_x\text{As}_y\text{P}_{1-y}$ . <i>Journal of Materials Science: Materials in Electronics</i> , <b>1998</b> , 9, 419-424	2.1	
43	Some aspects on the growth of lead molybdate single crystals and their characterization. <i>Materials Chemistry and Physics</i> , <b>1997</b> , 49, 120-123	4.4	17
42	Compositional analysis on quaternary $\text{Ga}_x\text{In}_1-x\text{As}_y\text{P}_{1-y}$ vapour phase epitaxy: a comparison between theory and experiment. <i>Materials Chemistry and Physics</i> , <b>1997</b> , 50, 70-75	4.4	3
41	Studies on the growth mechanism of InGaAs during current controlled liquid phase epitaxy. <i>Materials Chemistry and Physics</i> , <b>1997</b> , 51, 239-245	4.4	1
40	Micromorphological studies on the ZnSe single crystals grown by chemical vapour transport technique. <i>Journal of Materials Science</i> , <b>1997</b> , 32, 3517-3521	4.3	25
39	Electrodeposition and optical characterisation of CdS thin films on ITO-coated glass. <i>Thin Solid Films</i> , <b>1997</b> , 302, 71-76	2.2	99
38	Effect of Molecular Rotation on Vapor Phase Nucleation: Fullerenes C60 and C70. <i>Fullerenes, Nanotubes, and Carbon Nanostructures</i> , <b>1996</b> , 4, 553-563		
37	Thermodynamic Analysis of $\text{GaAs}_{1-x}\text{P}_x$ Vapor Phase Epitaxy. <i>Journal of the Electrochemical Society</i> , <b>1996</b> , 143, 2631-2635	3.9	1
36	Nucleation mechanism in vapour phase epitaxial growth of binary, ternary and quaternary semiconductors <b>1996</b> , 149-152		
35	Evaluation of composition and growth rate of $\text{Ga}_x\text{In}_{1-x}\text{P}$ vapour phase epitaxy. <i>Materials Chemistry and Physics</i> , <b>1996</b> , 45, 15-21	4.4	2
34	Growth, electrical conductivity and microindentation studies of $\text{CuInS}_2$ single crystals. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , <b>1996</b> , 18, 471-476		0
33	Studies of the initial stages of liquid phase epitaxy growth of InGaAs on GaAs. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1996</b> , 38, 186-193	3.1	
32	Simulation studies of liquid phase epitaxial growth of $\text{In}_{1-x}\text{Ga}_x\text{As}$ . <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1996</b> , 39, 117-122	3.1	3
31	Characterization of urea single crystals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1996</b> , 39, 111-115	3.1	18
30	On the nucleation and composition analysis of $\text{InAs}_{1-x}\text{Px}$ during vapour phase epitaxial growth. <i>Journal of Crystal Growth</i> , <b>1996</b> , 162, 113-120	1.6	4

29	Studies on the concentration profiles and growth rate of GaP by liquid-phase epitaxy. <i>Journal of Materials Science: Materials in Electronics</i> , <b>1996</b> , 7, 107	2.1	1
28	A theoretical approach to the $\text{In}_{1-x}\text{Ga}_x\text{P}$ LPE growth by computer simulation technique. <i>Physica Status Solidi A</i> , <b>1996</b> , 156, 71-79		
27	An investigation of the diffusion and electromigration limited growth mechanism of InP. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1995</b> , 34, 152-158	3.1	2
26	Electrocrystallization and characterization of $\text{CuInSe}_2$ thin films. <i>Materials Chemistry and Physics</i> , <b>1995</b> , 42, 210-213	4.4	12
25	Growth and characterization of pentenary $\text{Cu}_{0.5}\text{Ag}_{0.5}\text{InSse}$ crystals grown by chemical vapor transport technique. <i>Materials Research Bulletin</i> , <b>1995</b> , 30, 1371-1377	5.1	1
24	Microhardness and optical studies on CdS single crystals grown by sublimation and hydrogen transport techniques. <i>Materials Research Bulletin</i> , <b>1995</b> , 30, 1387-1392	5.1	3
23	Studies on nucleation kinetics of $\text{In}_{1-x}\text{Ga}_x\text{P}/\text{GaAs}$ by Liquid-Phase Epitaxy. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , <b>1995</b> , 17, 117-128		
22	Concentration profiles of As in a Ga rich solution during electroepitaxy of GaAs using a computer simulation technique. <i>Journal of Applied Physics</i> , <b>1994</b> , 75, 3953-3958	2.5	5
21	Investigations on the nucleation parameters of InGaAs grown on InP during LPE. <i>Journal of Materials Science: Materials in Electronics</i> , <b>1994</b> , 5, 267-271	2.1	1
20	Investigation on the concentration profiles of As during the current-controlled liquid phase epitaxial growth of GaAs. <i>Journal of Crystal Growth</i> , <b>1994</b> , 140, 28-32	1.6	3
19	Investigations on two-dimensional nucleation and growth kinetics of InP vapour phase epitaxy. <i>Journal of Crystal Growth</i> , <b>1994</b> , 137, 235-239	1.6	5
18	The growth and perfection of urea single crystals from solution. <i>Journal of Materials Science Letters</i> , <b>1993</b> , 12, 1797-1799		9
17	Thin film deposition and characterization of $\text{CuInSe}_2$ . <i>Thin Solid Films</i> , <b>1991</b> , 198, 269-278	2.2	9
16	Electrodeposition of CdTe by potentiostatic and periodic pulse techniques. <i>Thin Solid Films</i> , <b>1991</b> , 202, 67-75	2.2	12
15	Electrodeposition of $\text{CdSe}_x\text{Te}_{1-x}$ by periodic pulse technique. <i>Journal of Crystal Growth</i> , <b>1991</b> , 110, 423-428	1.6	9
14	Evaluation of Grain Surface Area in Heavily Arsenic-doped Polysilicon. <i>Crystal Research and Technology</i> , <b>1991</b> , 26, 217-222	1.3	
13	Grain growth mechanism in heavily arsenic-doped polycrystalline silicon. <i>Journal of Materials Science: Materials in Electronics</i> , <b>1991</b> , 2, 98-104	2.1	2
12	A new kinetic model for vapor phase epitaxy of $\text{GaAs}_{1-x}\text{Px}$ from the Ga-As-P-H-Cl system. <i>Journal of Applied Physics</i> , <b>1991</b> , 69, 1399-1406	2.5	4

11	Grain growth mechanism in boron doped polycrystalline silicon. <i>Journal of Electronic Materials</i> , <b>1990</b> , 19, 1135-1139	1.9	2
10	Electrodeposition kinetics of gallium arsenide. <i>Bulletin of Materials Science</i> , <b>1990</b> , 13, 43-49	1.7	2
9	A thermodynamic approach for the vapour phase epitaxial growth of $GaxIn_{1-x}As$ from a Ga-In-H-Cl-As system. <i>Journal of Crystal Growth</i> , <b>1990</b> , 99, 333-340	1.6	3
8	Grain size and size distribution in heavily phosphorus doped polycrystalline silicon. <i>Journal of Crystal Growth</i> , <b>1990</b> , 104, 250-256	1.6	5
7	Kinetics of grain growth in doped polycrystalline silicon thin films. <i>Thin Solid Films</i> , <b>1988</b> , 163, 383-386	2.2	6
6	Epitaxial nucleation and growth kinetics of indium phosphide in an $In_2PH_3/HCl/H_2$ system. <i>Thin Solid Films</i> , <b>1988</b> , 163, 437-441	2.2	5
5	Epitaxial nucleation and growth kinetics of gallium arsenide in a chloride transport system. <i>Semiconductor Science and Technology</i> , <b>1987</b> , 2, 73-77	1.8	7
4	Kinetic process of homogeneous nucleation incorporating the effect of curvature. <i>Journal of Crystal Growth</i> , <b>1986</b> , 79, 997-1000	1.6	8
3	Heterogeneous nucleation and growth of polycrystalline silicon. <i>Bulletin of Materials Science</i> , <b>1985</b> , 7, 411-417	1.7	4
2	Variation of interfacial tension with the number of molecules in the critical two-dimensional nucleus. <i>Journal Physics D: Applied Physics</i> , <b>1982</b> , 15, 1047-1051	3	9
1	Effect of two-dimensional critical nucleus size on interfacial tension. <i>Journal of Colloid and Interface Science</i> , <b>1981</b> , 83, 623-629	9.3	11