

R Dhanasekaran

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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	Synthesis, crystal growth and characterization of L-pyrrolidone-2-carboxylic acid (L-PCA) crystals. <i>Journal of Crystal Growth</i> , 2004 , 261, 70-76	1.6	101
189	Electrodeposition and optical characterisation of CdS thin films on ITO-coated glass. <i>Thin Solid Films</i> , 1997 , 302, 71-76	2.2	99
188	Studies on organic indole-3-aldehyde single crystals. <i>Journal of Crystal Growth</i> , 2000 , 212, 227-232	1.6	89
187	Growth of nonlinear optical material: L-arginine hydrochloride and its characterisation. <i>Journal of Crystal Growth</i> , 2004 , 263, 510-516	1.6	78
186	Fuzzy Clustering and Deformable Model for Tumor Segmentation on MRI Brain Image: A Combined Approach. <i>Procedia Engineering</i> , 2012 , 30, 327-333		49
185	Enhancement of ferroelectric properties of Na _{1-x} Bi _{1-x} TiO ₃ -BaTiO ₃ single crystals by Ce dopings. <i>Applied Physics Letters</i> , 2007 , 90, 102901	3.4	49
184	Investigations on Nucleation and Growth Kinetics of Urea Crystals from Methanol. <i>Crystal Research and Technology</i> , 2002 , 37, 159-168	1.3	46
183	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> , 2013 , 50, 150-154	4.2	45
182	Synthesis, dielectric and relaxation behavior of lead free NBTBT ceramics. <i>Ceramics International</i> , 2013 , 39, 555-561	5.1	42
181	Effect of ammonium sulphate on chemical bath deposition of CdS thin films. <i>Materials Letters</i> , 2004 , 58, 2381-2385	3.3	41
180	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> , 2016 , 7, 727-738	13	40
179	Investigation on the nucleation kinetics of zinc thiourea chloride (ZTC) single crystals. <i>Materials Chemistry and Physics</i> , 2003 , 82, 273-280	4.4	39
178	Growth of CuGaS ₂ Single Crystals by Chemical Vapor Transport and Characterization. <i>Crystal Growth and Design</i> , 2007 , 7, 618-623	3.5	37
177	Habit modification of potassium acid phthalate (KAP) single crystals by impurities. <i>Journal of Crystal Growth</i> , 1999 , 207, 325-329	1.6	34
176	Synthesis, structural, morphological and electrical properties of NBTBT ceramics for piezoelectric applications. <i>Ceramics International</i> , 2016 , 42, 6054-6064	5.1	32
175	Diagnosis of diabetic retinopathy using morphological process and SVM classifier 2013 ,		32
174	Growth of thiourea-doped TGS crystals and their characterisation. <i>Journal of Crystal Growth</i> , 2004 , 260, 414-421	1.6	28

173	Inhomogeneity issues in the growth of Na _{1/2} Bi _{1/2} TiO ₃ BaTiO ₃ single crystals. <i>Journal of Crystal Growth</i> , 2008 , 310, 467-472	1.6	27
172	Growth of CuInTe ₂ single crystals by iodine transport and their characterization. <i>Materials Research Bulletin</i> , 2008 , 43, 1996-2004	5.1	26
171	Micromorphological studies on the ZnSe single crystals grown by chemical vapour transport technique. <i>Journal of Materials Science</i> , 1997 , 32, 3517-3521	4.3	25
170	Investigation of the severity level of diabetic retinopathy using supervised classifier algorithms. <i>Computers and Electrical Engineering</i> , 2015 , 45, 312-323	4.3	24
169	Synthesis and characterization of flower-like ZnSe nanostructured thin films by chemical bath deposition (CBD) method. <i>Applied Nanoscience (Switzerland)</i> , 2013 , 3, 125-131	3.3	23
168	Growth and characterization of tris thiourea magnesium zinc sulphate single crystals. <i>Optik</i> , 2015 , 126, 3731-3736	2.5	22
167	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> , 2014 , 39, 7073-7086		22
166	Effect of Si ion irradiation on polycrystalline CdS thin film grown from novel photochemical deposition technique. <i>Physica B: Condensed Matter</i> , 2005 , 355, 222-230	2.8	22
165	Effect of oxygen vacancies on ferroelectric behavior of Na _{1/2} Bi _{1/2} TiO ₃ BaTiO ₃ single crystals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009 , 156, 36-41	3.1	21
164	Investigations on the electrical and mechanical properties of triglycine sulphate single crystals modified with some rare earth metal ions. <i>Materials Letters</i> , 2003 , 57, 3291-3295	3.3	20
163	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> , 2012 , 177, 1149-1155	3.1	18
162	Characterization of urea single crystals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1996 , 39, 111-115	3.1	18
161	Hydrothermal synthesis of chalcopyrite CuInS ₂ , CuInSe ₂ and CuInTe ₂ nanocubes and their characterization. <i>Current Applied Physics</i> , 2014 , 14, 1416-1420	2.6	17
160	Some aspects on the growth of lead molybdate single crystals and their characterization. <i>Materials Chemistry and Physics</i> , 1997 , 49, 120-123	4.4	17
159	Influence of ultrasonification in CdS thin film deposition in PCD technique. <i>Materials Letters</i> , 2005 , 59, 1795-1800	3.3	17
158	Effect of complexing agent (1,10-phenanthroline) on ADP and KDP crystals. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 94, 15-20	4.1	16
157	Brain Tumor Detection using Fuzzy Support Vector Machine Classification based on a Texton Co-occurrence Matrix. <i>Journal of Imaging Science and Technology</i> , 2013 , 57, 1-7	1.2	16
156	Electromagnetic interference on critical medical equipments by RF devices 2013 ,		15

155	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> , 2013 , 23, 97-103	2.5	15
154	Influence of Mn doping on CuGaS ₂ single crystals grown by CVT method and their characterization. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 115102	3	15
153	Effect of swift heavy ion Ag ⁹⁺ irradiation on the surface morphology, structure and optical properties of AgGaS ₂ single crystals. <i>Semiconductor Science and Technology</i> , 2008 , 23, 125042	1.8	15
152	Studies on structural and optical properties of ZnSe and ZnS _{0.5} Se _{0.5} single crystals grown by CVT method. <i>Journal of Crystal Growth</i> , 2014 , 401, 691-696	1.6	14
151	Flux growth of yttrium calcium oxy borate (YCOB) single crystals for nonlinear optical applications. <i>Journal of Crystal Growth</i> , 2009 , 311, 541-543	1.6	14
150	Growth of ZnSe thin films by electrocrystallization technique. <i>Materials Chemistry and Physics</i> , 2003 , 82, 268-272	4.4	14
149	Effect of SHI irradiation on structural, surface morphological and optical studies of CVT grown ZnS _{0.5} Se _{0.5} single crystals. <i>Journal of Alloys and Compounds</i> , 2013 , 580, 284-289	5.7	13
148	Structural, Dielectric, Piezoelectric and Ferroelectric Characterization of NBT-BT Lead-Free Piezoelectric Ceramics. <i>IOP Conference Series: Materials Science and Engineering</i> , 2013 , 43, 012010	0.4	13
147	On the chloride vapor-phase epitaxy growth of GaN and its characterization. <i>Journal of Crystal Growth</i> , 2004 , 260, 43-49	1.6	13
146	Effect of SHI irradiation on NBTBT ceramics: Transformation of relaxor ferroelectric to ferroelectric nature. <i>Applied Surface Science</i> , 2013 , 265, 296-301	6.7	12
145	Structural, thermal, mechanical and z-scan studies on 4-nitrophenol single crystals. <i>Crystal Research and Technology</i> , 2012 , 47, 385-390	1.3	12
144	Growth and characterization of LCOB and NdLCOB single crystals for laser applications. <i>Journal of Crystal Growth</i> , 2011 , 318, 636-641	1.6	12
143	Thermodynamic Calculations and Growth of ZnSe Single Crystals by Chemical Vapor Transport Technique. <i>Crystal Growth and Design</i> , 2002 , 2, 585-589	3.5	12
142	Electrocrystallization and characterization of CuInSe ₂ thin films. <i>Materials Chemistry and Physics</i> , 1995 , 42, 210-213	4.4	12
141	Electrodeposition of CdTe by potentiostatic and periodic pulse techniques. <i>Thin Solid Films</i> , 1991 , 202, 67-75	2.2	12
140	Identification of exudates for Diabetic Retinopathy based on morphological process and PNN classifier 2014 ,		11
139	Effect of 80 MeV Au ⁸⁺ ions irradiation on CuInTe ₂ single crystals grown by CVT technique. <i>Materials Science in Semiconductor Processing</i> , 2007 , 10, 252-257	4.3	11
138	Stoichiometric single crystal growth of AgGaS ₂ by iodine transport method and characterization. <i>Crystal Research and Technology</i> , 2008 , 43, 1292-1296	1.3	11

137	Effect of two-dimensional critical nucleus size on interfacial tension. <i>Journal of Colloid and Interface Science</i> , 1981 , 83, 623-629	9.3	11
136	Improvement of opto-electro-structural properties of nanocrystalline CdS thin films induced by Au ⁹⁺ ion irradiation. <i>Thin Solid Films</i> , 2017 , 626, 117-125	2.2	10
135	Effect of gamma ray irradiation on sodium borate single crystals. <i>Radiation Physics and Chemistry</i> , 2015 , 117, 70-77	2.5	10
134	Growth of NBTBT single crystals by flux method and their structural, morphological and electrical characterizations. <i>Journal of Crystal Growth</i> , 2016 , 441, 64-70	1.6	10
133	Effect of annealing on the properties of chemical bath deposited nanorods of CdSe thin films. <i>Crystal Research and Technology</i> , 2012 , 47, 960-966	1.3	10
132	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> , 2006 , 129, 121-125	3.1	10
131	Brain tumor severity analysis using modified multi-texton histogram and hybrid kernel SVM. <i>International Journal of Imaging Systems and Technology</i> , 2014 , 24, 72-82	2.5	9
130	Crystal growth of lanthanum calcium borate (LCB) single crystals from melt and its characterization. <i>Journal of Crystal Growth</i> , 2013 , 362, 202-206	1.6	9
129	Growth of YCOB single crystals by flux technique and their characterization. <i>Crystal Research and Technology</i> , 2008 , 43, 467-472	1.3	9
128	Electrical and optical isolation of GaN by high energy ion irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003 , 207, 308-313	1.2	9
127	Thin film deposition and characterization of CuInSe ₂ . <i>Thin Solid Films</i> , 1991 , 198, 269-278	2.2	9
126	Electrodeposition of CdSexTe1-x by periodic pulse technique. <i>Journal of Crystal Growth</i> , 1991 , 110, 423-428	1.6	9
125	The growth and perfection of urea single crystals from solution. <i>Journal of Materials Science Letters</i> , 1993 , 12, 1797-1799		9
124	Variation of interfacial tension with the number of molecules in the critical two-dimensional nucleus. <i>Journal Physics D: Applied Physics</i> , 1982 , 15, 1047-1051	3	9
123	Optimal Power Flow with FACTS Controller Using Hybrid PSO. <i>Arabian Journal for Science and Engineering</i> , 2014 , 39, 3137-3146		8
122	Asymptotic results for a class of fourth order quasilinear difference equations. <i>Journal of Difference Equations and Applications</i> , 2007 , 13, 1085-1103	1	8
121	Thermal stability of GaN epitaxial layer and GaN/sapphire interface. <i>Physica B: Condensed Matter</i> , 2002 , 324, 223-228	2.8	8
120	Kinetic process of homogeneous nucleation incorporating the effect of curvature. <i>Journal of Crystal Growth</i> , 1986 , 79, 997-1000	1.6	8

119	Optimum Band \square Shaped Miniature Implantable Antennas for Telemetry Applications. <i>IEEE Transactions on Antennas and Propagation</i> , 2021 , 69, 55-63	4.9	8
118	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> , 2013 , 38, 2375-2388		7
117	Morphological process based segmentation for the detection of exudates from the retinal images of diabetic patients 2014 ,		7
116	Assessment and analysis of performance of 13.56 MHz passive RFID in metal and liquid environment 2014 ,		7
115	Growth, structural phase transition and ferroelectric properties of $\text{Pb}[(\text{Zn}_{1/3}\text{Nb}_{2/3})_{0.91}\text{Ti}_{0.09}]\text{O}_3$ single crystals. <i>Journal of Crystal Growth</i> , 2006 , 292, 399-403	1.6	7
114	Nucleation kinetics and growth of $\text{ZnSxSe}(1-x)$ single crystals from vapour phase. <i>Materials Chemistry and Physics</i> , 2004 , 87, 75-80	4.4	7
113	Epitaxial nucleation and growth kinetics of gallium arsenide in a chloride transport system. <i>Semiconductor Science and Technology</i> , 1987 , 2, 73-77	1.8	7
112	Improvement of speed control performance in BLDC motor using fuzzy PID controller 2016 ,		7
111	Structural, optical and thermal properties of CuGaS_2 crystals by chemical vapor transport (CVT) method. <i>Optik</i> , 2015 , 126, 4326-4329	2.5	6
110	Effect of 120MeV Au^{9+} ion irradiation on structural, optical and dielectric properties of $\text{YCa}_4\text{O}(\text{BO}_3)_3$ nonlinear optical crystal. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012 , 280, 134-139	1.2	6
109	Implementation of Single Phase Soft Switched PFC Converter for Plug-in-Hybrid Electric Vehicles. <i>Energies</i> , 2015 , 8, 13096-13111	3.1	6
108	Novel approach for segmentation of brain magnetic resonance imaging using intensity based thresholding 2010 ,		6
107	Kinetics of grain growth in doped polycrystalline silicon thin films. <i>Thin Solid Films</i> , 1988 , 163, 383-386	2.2	6
106	Interference Issues of Radio Frequency Identification Devices in Magnetic Resonance Imaging Systems and Computed Tomography Scan. <i>Journal of Magnetism</i> , 2015 , 20, 295-301	1.9	6
105	DETECTION AND LOCALIZATION OF RETINAL EXUDATES FOR DIABETIC RETINOPATHY. <i>Journal of Biological Systems</i> , 2015 , 23, 195-212	1.6	5
104	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> , 2015 , 36, 140-148	4.3	5
103	Hybrid topology of asymmetric cascaded multilevel inverter with renewable energy sources 2014 ,		5
102	Growth and characterization of a novel nonlinear optical borate crystal--yttrium calcium borate (YCB). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 110, 391-4	4.4	5

101	Third order nonlinear studies and other characterization of 4-nitrophenol (4-NP) single crystals. <i>IOP Conference Series: Materials Science and Engineering</i> , 2013 , 43, 012004	0.4	5
100	Intelligent soft-starter-based grid-integrated induction generator for pitch-regulated wind turbine system. <i>Electrical Engineering</i> , 2010 , 92, 57-68	1.5	5
99	Investigations on liquid phase electroepitaxial growth kinetics of GaAs. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004 , 112, 91-95	3.1	5
98	Effect of heat treatment and Si ion irradiation on ZnSxSe1-x single crystals grown by CVT method. <i>Journal of Crystal Growth</i> , 2005 , 275, e567-e570	1.6	5
97	Concentration profiles of As in a Ga rich solution during electroepitaxy of GaAs using a computer simulation technique. <i>Journal of Applied Physics</i> , 1994 , 75, 3953-3958	2.5	5
96	Investigations on two-dimensional nucleation and growth kinetics of InP vapour phase epitaxy. <i>Journal of Crystal Growth</i> , 1994 , 137, 235-239	1.6	5
95	Grain size and size distribution in heavily phosphorus doped polycrystalline silicon. <i>Journal of Crystal Growth</i> , 1990 , 104, 250-256	1.6	5
94	Epitaxial nucleation and growth kinetics of indium phosphide in an In ₂ PH ₃ HCl ₂ H ₂ system. <i>Thin Solid Films</i> , 1988 , 163, 437-441	2.2	5
93	A review on design considerations of implantable antennas 2016 ,		5
92	Vibrational properties and phonon anharmonicity in ZnS _{1-x} Sex: Inelastic neutron scattering, Raman scattering, X-ray diffraction measurements and lattice dynamical studies. <i>Physica B: Condensed Matter</i> , 2014 , 433, 149-156	2.8	4
91	Implementation of wireless data transmission in monitoring and control 2013 ,		4
90	Evaluation of Fluorosilicone-Silicone Elastomer Blend for Aeronautical Fuel System. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 2015 , 31, 207-217	1.7	4
89	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> , 2014 , 2014, 735762	2.2	4
88	EMI analysis and evaluation of an improved flyback converter 2012 ,		4
87	Synthesis, growth and characterisation of tetrathiourea cadmium tetrathiocyanato zincate single crystals. <i>Journal of Crystal Growth</i> , 2013 , 362, 259-263	1.6	4
86	Electromagnetic interference on critical medical equipments by RFID system 2013 ,		4
85	Growth of GaN films by chloride vapour phase epitaxy. <i>Journal of Crystal Growth</i> , 2004 , 268, 475-477	1.6	4
84	Simulation studies on the liquid phase electroepitaxial growth of III-V compound semiconductors. <i>Journal of Crystal Growth</i> , 2001 , 229, 169-174	1.6	4

83	On the nucleation and composition analysis of InAs _{1-x} P _x during vapour phase epitaxial growth. <i>Journal of Crystal Growth</i> , 1996 , 162, 113-120	1.6	4
82	A new kinetic model for vapor phase epitaxy of GaAs _{1-x} P _x from the Ga-As-P-H-Cl system. <i>Journal of Applied Physics</i> , 1991 , 69, 1399-1406	2.5	4
81	Heterogeneous nucleation and growth of polycrystalline silicon. <i>Bulletin of Materials Science</i> , 1985 , 7, 411-417	1.7	4
80	Effect of electromagnetic radiations on the functioning of medical devices from wireless local area networks [A review] 2016 ,		4
79	Structural, morphological and optical studies on CuAlS ₂ and CuAlSe ₂ nanorods prepared by hydrothermal method. <i>Journal of Alloys and Compounds</i> , 2015 , 645, 85-89	5.7	3
78	Effect of N ⁵⁺ ion implantation on the optical properties of an organometallic complex zinc cadmium thiocyanate single crystal. <i>Optik</i> , 2013 , 124, 5537-5541	2.5	3
77	Evaluation of performance of UHF passive RFID system in metal and liquid environment 2015 ,		3
76	Investigation of severity of diabetic retinopathy by detecting exudates with respect to macula 2015 ,		3
75	An AC/DC PFC Converter with Active Soft Switching Technique. <i>International Journal of Energy Optimization and Engineering</i> , 2014 , 3, 101-121	0.9	3
74	Effect of 120MeV Ag ⁹⁺ ion irradiation of YCOB single crystals. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012 , 287, 109-112	1.2	3
73	Compositional analysis on quaternary Ga _x In _{1-x} As _y P _{1-y} by vapour phase epitaxy: a comparison between theory and experiment. <i>Materials Chemistry and Physics</i> , 1997 , 50, 70-75	4.4	3
72	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> , 2006 , 130, 137-145	3.1	3
71	Microhardness and optical studies on CdS single crystals grown by sublimation and hydrogen transport techniques. <i>Materials Research Bulletin</i> , 1995 , 30, 1387-1392	5.1	3
70	Simulation studies of liquid phase epitaxial growth of In _{1-x} Ga _x As. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1996 , 39, 117-122	3.1	3
69	Investigation on the concentration profiles of As during the current-controlled liquid phase epitaxial growth of GaAs. <i>Journal of Crystal Growth</i> , 1994 , 140, 28-32	1.6	3
68	A thermodynamic approach for the vapour phase epitaxial growth of Ga _x In _{1-x} As from a Ga-In-H-Cl-As system. <i>Journal of Crystal Growth</i> , 1990 , 99, 333-340	1.6	3
67	Simulation modelling and fault analysis of switched reluctance motor 2016 ,		3
66	Synthesis, growth and characterization of 4-dimethylaminobenzaldehyde-4-nitrophenylhydrazone single crystals. <i>Optik</i> , 2014 , 125, 2912-2917	2.5	2

65	Efficient data transfer in mobile ad-hoc network using OPSM for disaster response applications. <i>Journal of Applied Research and Technology</i> , 2015 , 13, 392-401	1.7	2
64	Evaluation of Electromagnetic Interference between Critical Medical Devices and New Generation Cellular Phones. <i>Journal of Microwave Power and Electromagnetic Energy</i> , 2015 , 49, 160-170	1.4	2
63	Synthesis of AgInS ₂ semiconductor nano crystals by solvothermal method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 73, 012147	0.4	2
62	Optimization of power in Wireless Industrial Automation Networks 2015 ,		2
61	Comparison of Computational Electromagnetics for Electrostatic Analysis. <i>International Journal of Energy Optimization and Engineering</i> , 2014 , 3, 86-100	0.9	2
60	IMPLEMENTATION OF RADIO FREQUENCY IDENTIFICATION DEVICES IN 0.3 TESLA MAGNETIC RESONANCE IMAGING AND COMPUTED TOMOGRAPHY. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2014 , 26, 1450069	0.6	2
59	SEEMd -security enabled energy efficient middleware for WSN 2014 ,		2
58	RSS Based Energy Efficient Scheme for the Reduction of Overhearing and Rebroadcast for MANET. <i>Procedia Engineering</i> , 2012 , 38, 2463-2472		2
57	Efficient demosaicking of color images using theoretic reconstruction technique 2012 ,		2
56	Effect of N ⁵⁺ ion implantation in CVT grown ZnSe single crystals. <i>Journal of Crystal Growth</i> , 2013 , 362, 211-215	1.6	2
55	Modeling of conducted EMI in flyback switching power converters 2011 ,		2
54	Modeling of nucleation kinetics of ternary nitrides from vapour phase. <i>Journal of Crystal Growth</i> , 2001 , 230, 258-262	1.6	2
53	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> , 1995 , 34, 152-158	3.1	2
52	Evaluation of composition and growth rate of GaIn _{1-x} P vapour phase epitaxy. <i>Materials Chemistry and Physics</i> , 1996 , 45, 15-21	4.4	2
51	Grain growth mechanism in heavily arsenic-doped polycrystalline silicon. <i>Journal of Materials Science: Materials in Electronics</i> , 1991 , 2, 98-104	2.1	2
50	Grain growth mechanism in boron doped polycrystalline silicon. <i>Journal of Electronic Materials</i> , 1990 , 19, 1135-1139	1.9	2
49	Electrodeposition kinetics of gallium arsenide. <i>Bulletin of Materials Science</i> , 1990 , 13, 43-49	1.7	2
48	Investigation of diabetic retinopathy using GMM classifier 2016 ,		2

47	Intelligent controller based speed control of front end asymmetric converter fed switched reluctance motor 2016 ,		2
46	Payload fragmentation framework for high-performance computing in cloud environment. <i>Journal of Supercomputing</i> , 2019 , 75, 2789-2804	2.5	2
45	A Review on Current Issues of Radio Frequency Identification Devices in Magnetic Resonance Imaging 2018 ,		2
44	Energy Efficient Data Transmission Approaches for Wireless Industrial Automation. <i>Current Signal Transduction Therapy</i> , 2018 , 13, 37-43	0.8	2
43	Pure and Nd added NBT-BT single crystals - Growth and their characterization 2014 ,		1
42	Growth of neodymium lanthanum calcium borate (NdLCB) single crystals by the Czochralski method and its characterisation. <i>Journal of Crystal Growth</i> , 2013 , 362, 189-192	1.6	1
41	Growth of Ce added NBT-BT single crystal by flux method and its characterization 2013 ,		1
40	Power electronics in wind energy conversion systems – A survey across the globe 2011 ,		1
39	Synthesis and Characterization of Sodium Bis(2-ethylhexyl) Sulfonsuccinate (AOT) Capped Pure and Mn-Doped CdS Nanoparticles. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-8	3.2	1
38	Synthesis and characterization of borate based and AgGaS ₂ materials. <i>IOP Conference Series: Materials Science and Engineering</i> , 2009 , 2, 012014	0.4	1
37	Studies on the growth mechanism of InGaAs during current controlled liquid phase epitaxy. <i>Materials Chemistry and Physics</i> , 1997 , 51, 239-245	4.4	1
36	Investigations on crystal growth and characterization of 3-methyl 4-nitropyridine-1-oxide single crystals grown from different solvents. <i>Journal of Crystal Growth</i> , 2004 , 266, 528-532	1.6	1
35	In vitro solubility, growth and characterization of cholesteryl acetate. <i>Journal of Crystal Growth</i> , 2004 , 267, 301-305	1.6	1
34	Growth and characterization of pentenary Cu _{0.5} Ag _{0.5} InS ₂ Se crystals grown by chemical vapor transport technique. <i>Materials Research Bulletin</i> , 1995 , 30, 1371-1377	5.1	1
33	Thermodynamic Analysis of GaAs _{1-x} P _x Vapor Phase Epitaxy. <i>Journal of the Electrochemical Society</i> , 1996 , 143, 2631-2635	3.9	1
32	Studies on the concentration profiles and growth rate of GaP by liquid-phase epitaxy. <i>Journal of Materials Science: Materials in Electronics</i> , 1996 , 7, 107	2.1	1
31	Investigations on the nucleation parameters of InGaAs grown on InP during LPE. <i>Journal of Materials Science: Materials in Electronics</i> , 1994 , 5, 267-271	2.1	1
30	Insights into recombination channels in a CVT grown ZnSe single crystal. <i>Applied Physics A: Materials Science and Processing</i> , 2022 , 128, 1	2.6	1

29	Design and analysis of coupled inductor based high step-up DC-DC converter 2016 ,		1
28	Security Enhancement and Monitoring for Data Sensing Networks Using a Novel Asymmetric Mirror-Key Data Encryption Method. <i>Studies in Big Data</i> , 2021 , 65-78	0.9	1
27	Selected Studies of Electromagnetic Exposure Levels in the Countries of Asia [A Review 2018 ,		1
26	Dielectric and conductivity properties of flux grown Ce doped NBT-BT single crystals. <i>Physica B: Condensed Matter</i> , 2020 , 582, 411978	2.8	0
25	Growth, electrical conductivity and microindentation studies of CuInS ₂ single crystals. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1996 , 18, 471-476		0
24	Influence of transition metal ions on multiferroic properties of lead-free NBTBT ceramics. <i>Journal of Advanced Dielectrics</i> , 2019 , 09, 1950045	1.3	0
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