

# R Perumal

## List of Publications by Year in descending order

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36  
papers

241  
citations

1040056

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37  
docs citations

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times ranked

279  
citing authors

#	ARTICLE	IF	CITATIONS
1	Habit modification and improvement in properties of potassium hydrogen phthalate (KAP) crystals doped with metal ions. <i>Crystal Research and Technology</i> , 2006, 41, 221-224.	1.3	27
2	Growth and characterization of an organometallic tri-allylthiourea complex nonlinear optical crystals. <i>Journal of Crystal Growth</i> , 2008, 310, 2050-2057.	1.5	22
3	Optical characterization of ferroelectric glycinium phosphite single crystals. <i>Journal of Alloys and Compounds</i> , 2010, 490, 342-349.	5.5	20
4	Crystal structure, dielectric properties of (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> single crystal grown by flux method using B <sub>2</sub> O <sub>3</sub> flux. <i>Crystal Research and Technology</i> , 2013, 48, 22-28.	1.3	17
5	Influence of potential on structural, compositional, optical and magnetic properties of electrochemically grown iron selenide thin films. <i>Journal of Alloys and Compounds</i> , 2020, 848, 156348.	5.5	17
6	Synthesis, growth and characterization of an organometallic complex tri-allylthiourea cadmium bromide single crystals. <i>Current Applied Physics</i> , 2010, 10, 858-865.	2.4	14
7	Influence of Zinc incorporation in electrodeposited CdSe thin films from aqueous acidic media. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 1500-1509.	2.2	14
8	Characterizing the electron transport properties of a single $\text{InAs}$ nanowire. <i>Applied Physics Express</i> , 2014, 7, 085001.	2.4	11
9	Effect of nitrogen doping on structural, morphological, optical and electrical properties of radio frequency magnetron sputtered zinc oxide thin films. <i>Physica B: Condensed Matter</i> , 2016, 490, 16-20.	2.7	10
10	Growth and characterization of an organometallic nonlinear optical material tri-allylthiourea cadmium chloride (ATCC). <i>Materials Chemistry and Physics</i> , 2008, 107, 23-27.	4.0	9
11	Crystal growth, structural perfection, phase transition, optical, and etching studies of doped glycine phosphite ferroelectric single crystals. <i>Journal of Alloys and Compounds</i> , 2010, 505, 268-272.	5.5	9
12	Preparation of high quality Mg doped ZnO nanorod arrays with enhanced optical properties by MgO passivation. <i>Optik</i> , 2016, 127, 9250-9258.	2.9	9
13	Effect of different metal ions on structural, thermal, spectroscopic and optical properties of ATCC and ATMC single crystals. <i>Crystal Research and Technology</i> , 2007, 42, 838-843.	1.3	8
14	Synthesis, crystalline perfection, optical and dielectric studies on metal-organic tri-allylthiourea cadmium chloride (ATCC) nonlinear optical single crystal by solution growth technique. <i>Journal of Alloys and Compounds</i> , 2012, 538, 131-135.	5.5	8
15	Influence of substrate on film thickness, microstructural, compositional and optical properties of iron diselenide thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 15693-15698.	2.2	8
16	Electrochemical, microstructural, compositional and optical characterization of copper oxide and copper sulfide thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 15529-15534.	2.2	6
17	Synthesis, crystal growth, structural, spectral and optical properties of tri-allylthiourea mercury bromide (ATMB) single crystals. <i>Physica B: Condensed Matter</i> , 2010, 405, 4303-4306.	2.7	5
18	Palladium assisted heteroepitaxial growth of an InAs nanowire by molecular beam epitaxy. <i>Semiconductor Science and Technology</i> , 2014, 29, 115005.	2.0	4

#	ARTICLE	IF	CITATIONS
19	Electrochemical deposition and characterization of CoNi alloy thin films. Materials Today: Proceedings, 2021, 46, 10248-10251.	1.8	4
20	NANOPOROUS GALLIUM NITRIDE THROUGH ANISOTROPIC METAL-ASSISTED ELECTROLESS PHOTOCHEMICAL WET ETCHING TECHNIQUE. Surface Review and Letters, 2016, 23, 1550106.	1.1	3
21	Synthesis, crystal growth and characterization of a metal-organic nonlinear optical tri-allylthiourea mercury chloride single crystals. Optics Communications, 2010, 283, 4368-4371.	2.1	2
22	Nucleation kinetics and growth aspects of glycine phosphite ferroelectric single crystals. Materials Chemistry and Physics, 2011, 126, 381-385.	4.0	2
23	Effect of Ta doped on microstructure of sodium potassium niobate single crystal grown by flux method. , 2013, , .		2
24	Growth and characterisation of zinc oxide thin films by sputtering technique. Materials Today: Proceedings, 2020, 21, 912-915.	1.8	2
25	Thickness, structural and optical properties of electrodeposited NiO thin films. Materials Today: Proceedings, 2020, 33, 3989-3992.	1.8	2
26	Crystal growth and characterization of Deuterated Glycine Phosphite single crystals. Materials Letters, 2010, 64, 2142-2144.	2.6	1
27	Evolution of surface modification by Ar <sup>+</sup> ion implantation with incident angle into sodium potassium niobate single crystal. AIP Conference Proceedings, 2013, , .	0.4	1
28	Structural, morphological and electrical studies of lithium ion irradiated sodium potassium niobate single crystal grown by flux method. , 2013, , .		1
29	Structural, Morphological and Electrical Properties of In-Doped Zinc Oxide Nanostructure Thin Films Grown on p-Type Gallium Nitride by Simultaneous Radio-Frequency Direct-Current Magnetron Co-Sputtering. Chinese Physics Letters, 2016, 33, 066101.	3.3	1
30	Structural, compositional and optical properties of electrochemically grown iron diselenide thin films. Materials Today: Proceedings, 2020, 21, 483-487.	1.8	1
31	Synthesis, growth, thermal, and optical studies of an organometallic ATZC single crystal for advanced non-linear optical applications. Materials Today: Proceedings, 2020, 33, 4079-4081.	1.8	1
32	Investigation of the Dielectric Properties of Antimony Doped Potassium Sodium Niobate Single Crystal ( $K_{0.5}Na_{0.5}NbO_3$ ) Grown by Flux Method. Advanced Materials Research, 0, 622-623, 224-228.	0.3	0
33	The effect of deuteration and doping on the phase transition temperature of grown glycine phosphite single crystals. , 2014, , .		0
34	Growth and morphological studies of sodium potassium niobate single crystal grown by flux method. AIP Conference Proceedings, 2015, , .	0.4	0
35	Assessment of structural, morphological and optical properties of ZnO thin films grown by physical and chemical techniques. Materials Today: Proceedings, 2020, 21, 1022-1025.	1.8	0
36	Surface morphology, composition and optical properties of FeSe thin films. Materials Today: Proceedings, 2020, 33, 4117-4120.	1.8	0