

# Valarmathi B

## List of Publications by Year in descending order

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15  
papers

336  
citations

933447

10  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

215  
citing authors

#	ARTICLE	IF	CITATIONS
1	Studies of the structural and third-order nonlinear optical properties of solution grown 4-hydroxy-3-methoxy-4- $\hat{N}$ -methylstilbazolium tosylate monohydrate crystals. <i>Optical Materials</i> , 2014, 36, 988-995.	3.6	122
2	Synthesis, crystal growth, structural, thermal, optical and mechanical properties of solution grown 4-methylpyridinium 4-hydroxybenzoate single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 929-937.	3.9	42
3	Synthesis, growth, structural, optical, thermal and mechanical properties of an organic Urea maleic acid single crystals for nonlinear optical applications. <i>Optics and Laser Technology</i> , 2016, 81, 145-152.	4.6	27
4	Studies on the growth, thermal and optical properties of 4-aminopyridinium p-aminobenzoate dihydrate single crystals. <i>Journal of Crystal Growth</i> , 2014, 397, 1-5.	1.5	25
5	Synthesis, growth, structural and optical studies of a novel organic Piperazine (bis) p-toluenesulfonate single crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 139, 302-306.	3.9	24
6	Studies on Structural, Spectral, and Optical Properties of Organic Nonlinear Optical Single Crystal: 2-Amino-4,6-dimethylpyrimidinium p-Hydroxybenzoate. <i>Journal of Materials</i> , 2013, 2013, 1-7.	0.1	21
7	Synthesis, growth and characterization of a new organic three dimensional framework: Piperazin-1-ium 4-aminobenzenesulfonate. <i>Journal of Crystal Growth</i> , 2016, 441, 18-25.	1.5	20
8	Crystal growth, structural and optical properties of an organic ion-complex crystal: 4-N,N-dimethylamino-4- $\hat{N}$ -methylstilbazolium iodide. <i>Optik</i> , 2014, 125, 5641-5646.	2.9	14
9	Studies on the growth aspects, structural, thermal, dielectric and third order nonlinear optical properties of solution grown 4-methylpyridinium p-nitrophenolate single crystal. <i>Journal of Crystal Growth</i> , 2016, 454, 139-146.	1.5	14
10	Studies on the growth aspects, structural and third-order nonlinear optical properties of Piperidinium 3-carboxy-4-hydroxy benzenesulfonate single crystal. <i>Journal of Crystal Growth</i> , 2017, 460, 105-111.	1.5	11
11	Growth and characterization of organic nonlinear optical material: hemikis (piperazine) 4-hydroxybenzoic acid monohydrate single crystal. <i>Journal of Optics (India)</i> , 2020, 49, 23-31.	1.7	5
12	Bulk growth, thermal, linear and nonlinear optical studies of 2-carboxylatopyridinium p-nitrophenol crystal. <i>Journal of Optics (India)</i> , 2016, 45, 175-179.	1.7	4
13	4-Methylpyridinium 2-carboxy-6-nitrobenzoate. <i>IUCrData</i> , 2016, 1, .	0.3	4
14	Crystal growth, spectral, thermal, optical and third order nonlinearity studies of optical material: 4-N,N-dimethylamino 4- $\hat{N}$ -methylstilbazolium 4-hydroxybenzenesulfonate. <i>Journal of Optics (India)</i> , 2017, 46, 456-464.	1.7	2
15	Growth aspects, structural and nonlinear optical properties of conjugate structure: 4-methylpyridinium 2-carboxy-6-nitrobenzoate. <i>Journal of Optics (India)</i> , 2018, 47, 516-526.	1.7	1