

Srinivasan Padmanabhan

List of Publications by Year in descending order

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59
papers

1,070
citations

361045

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433756

31
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59
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59
docs citations

59
times ranked

778
citing authors

#	ARTICLE	IF	CITATIONS
1	ICTS: Indian Cautionary Traffic Sign Classification Using Deep Learning. , 2022, , .		4
2	Rice-net: an efficient artificial fish swarm optimization applied deep convolutional neural network model for identifying the Oryza sativa diseases. Neural Computing and Applications, 2021, 33, 5869-5884.	3.2	32
3	A machine learning approach for detecting and tracking road boundary lanes. ICT Express, 2021, 7, 99-103.	3.3	20
4	Detail Study of Different Algorithms for Early Detection of Cancer. Studies in Computational Intelligence, 2021, , 207-232.	0.7	2
5	Diagnosis Evaluation and Interpretation of Qualitative Abnormalities in Peripheral Blood Smear Images A Review. Studies in Computational Intelligence, 2021, , 341-365.	0.7	4
6	Energy Efficient Data Gathering using Spatio-temporal Compressive Sensing for WSNs. Wireless Personal Communications, 2021, 117, 1279-1295.	1.8	13
7	Studies on the electrospun composite Picric acid PVA nanofibers. Materials Today: Proceedings, 2020, 21, 401-403.	0.9	0
8	Experimental and DFT/TD-DFT approach on photo-physical and NLO properties of 2, 6-bis (4-Chlorobenzylidene) cyclohexanone. Optical Materials, 2020, 100, 109620.	1.7	5
9	H2K A robust and optimum approach for detection and classification of groundnut leaf diseases. Computers and Electronics in Agriculture, 2020, 178, 105749.	3.7	20
10	Joint Correlated Compressive Sensing based on Predictive Data Recovery in WSNs. , 2020, , .		2
11	Influence of argon pressure on the crystalline phase formation of RF sputtered zinc sulfide thin films. Materials Today: Proceedings, 2020, 29, 917-922.	0.9	1
12	Growth and dielectric studies of toluidine tartrate single crystals:A novel organic NLO material. Journal of Molecular Structure, 2020, 1207, 127750.	1.8	23
13	Enhancing and Classifying Traffic Signs Using Computer Vision and Deep Convolutional Neural Network. Communications in Computer and Information Science, 2020, , 243-253.	0.4	7
14	Deep Wavelet Architecture for Compressive sensing Recovery. , 2020, , .		6
15	Synthesis, spectral, thermal, optical and dielectric studies of new arylidene NLO crystal: 2,6 Bis (2,6-dichloro benzylidene) cyclohexanone. Materials Research Innovations, 2019, 23, 354-358.	1.0	2
16	Detection and Classification of Groundnut Leaf Diseases using KNN classifier. , 2019, , .		48
17	A study on various methods used for video summarization and moving object detection for video surveillance applications. Multimedia Tools and Applications, 2018, 77, 23273-23290.	2.6	42
18	Growth and characterization of organometallic NLO material: cesium hcontrydrogen tartrate. Materials Research Innovations, 2018, 22, 294-301.	1.0	8

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19	Structural, theoretical, and third-order nonlinear optical investigations of (E) -N-[(E)-(4-bromophenyl)(phenyl)methylidene]-4-methylbenzenesulfonohydrazide. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 665, 194-206.	0.4	4
20	Structural, spectral, thermal, micro hardness, dielectric and etching studies of third order nonlinear optical material Cesium Sulfamate. <i>Journal of Alloys and Compounds</i> , 2017, 701, 822-827.	2.8	5
21	Spectroscopic and DFT-based computational studies on the molecular electronic structural characteristics and the third-order nonlinear property of an organic NLO crystal: (E)-N- α^2 -(4-chlorobenzylidene)-4-methylbenzenesulfonohydrazide. <i>Chemical Physics Letters</i> , 2017, 674, 11-27.	1.2	22
22	Investigations on spectroscopic, dielectric and optical studies in 3-hydroxypyridinium 4-nitrobenzoate crystals. <i>Journal of Molecular Structure</i> , 2017, 1137, 142-149.	1.8	15
23	Growth and characterisation of $2\alpha^2$, 3, 4, $4\alpha^2$, 5-Pentamethoxychalcone (PMC) for non linear optical applications. <i>Journal of Molecular Structure</i> , 2017, 1133, 135-143.	1.8	1
24	GBU based face recognition techniques: A review. , 2017, , .		0
25	Remote monitoring and security alert based on motion detection using mobile. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	0
26	Effect of rare earth Nd ³⁺ ion on the growth, structural, spectral, optical and mechanical properties of piperidinium p-hydroxybenzoate single crystals. <i>Optik</i> , 2016, 127, 1087-1093.	1.4	1
27	(E)-N- α^2 -(4-chlorobenzylidene)-4-methylbenzenesulfonohydrazide (4CBTH) for synthesis and characterization of organic NLO crystal. <i>Journal of Crystal Growth</i> , 2016, 452, 189-197.	0.7	4
28	Crystal structure of piperazine-1,4-dium bis(4-aminobenzenesulfonate). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o1084-o1085.	0.2	4
29	Studies on the growth and characterization of a non linear optical crystal: 3 Hydroxy Pyridinium Tartrate Mono Hydrate (3HPTMH). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 144, 139-147.	2.0	9
30	Effect of tantalum doping on the structural and optical properties of RF magnetron sputtered indium oxide thin films. <i>Materials Science in Semiconductor Processing</i> , 2015, 37, 112-122.	1.9	13
31	Crystal structure of N- α^2 -[(E)-(4-chlorophenyl)(phenyl)methylidene]-4-methylbenzenesulfonohydrazide. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o45-o46.	0.2	0
32	Crystal structure of (E)-N- α^2 -(4-chlorobenzylidene)-4-methylbenzenesulfonohydrazide: a hexagonal polymorph. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o1250-o1251.	0.2	5
33	Investigations on the vibrational modes and non-linear optical properties of 4-Fluoro Chalcone crystal. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 129, 114-120.	2.0	6
34	Synthesis, crystal growth, studies on vibrational spectroscopy and nonlinear optical properties of 4-methoxy- $4\alpha^2$ -chlorochalcone. <i>Materials Research Bulletin</i> , 2014, 50, 446-453.	2.7	15
35	A detailed perceptive on the growth and characterization studies of para amino hippuric acid (PAHA) single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 263-270.	2.0	1
36	Investigations on the physico chemical properties of 4-bromochalcone single crystals for nonlinear optical applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 103, 45-52.	2.0	13

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37	Ab initio crystal structure and charge density distribution of a highly energetic 2,4-dinitrobenzoic acid molecule. <i>Combustion, Explosion and Shock Waves</i> , 2013, 49, 712-722.	0.3	3
38	Ruminations on the effect of MeV Si ^[sup 8+] and Ag ^[sup 8+] ion irradiation on nonlinear optical l-valinium picrate single crystals. , 2012, , .		0
39	Vibrational spectra and first order hyperpolarizability studies of dimethyl amino pyridinium 4-nitrophenolate 4-nitrophenol. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 151-161.	2.0	30
40	Studies on the growth, optical, electrical and spectral properties of potassium pentaborate (KB5) single crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 10-16.	2.0	22
41	A comparative study on the growth and characterization of nonlinear optical amino acid crystals: l-Alanine (LA) and l-alanine alaninium nitrate (LAAN). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 297-304.	2.0	34
42	Factor group analysis and hyperpolarizability studies of nonlinear optical l-asparaginium picrate (LASP) crystals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 71, 592-596.	2.0	12
43	Z-scan determination of the third-order optical nonlinearity of L-asparaginium picrate (LASP) crystal. <i>Laser Physics</i> , 2008, 18, 790-793.	0.6	31
44	On the observation of physical, chemical, optical and thermal changes induced by 50MeV silicon ion in benzimidazole single crystals. <i>Materials Research Bulletin</i> , 2008, 43, 852-863.	2.7	23
45	Synthesis, crystal growth and characterization of organic material: N-Bromosuccinimide (NBS) for NLO applications. <i>Materials Letters</i> , 2008, 62, 2486-2489.	1.3	24
46	Studies on the Synthesis, Growth, Crystal Structure, and Nonlinear Optical Properties of a Novel Nonlinear Optical Crystal: l-Argininium-4-nitro Phenolate Monohydrate (LARP). <i>Crystal Growth and Design</i> , 2008, 8, 2329-2334.	1.4	48
47	Studies on the Growth, Optical, Thermal, and Mechanical Properties of Pure and <i>o</i> -Nitroaniline Doped Benzil Crystals. <i>Crystal Growth and Design</i> , 2008, 8, 2335-2339.	1.4	59
48	A Highly Efficient Organic Nonlinear Optical Donor ⁺ Acceptor Single Crystal: l-Valinium Picrate. <i>Crystal Growth and Design</i> , 2008, 8, 2340-2345.	1.4	58
49	Investigations on nucleation, thermodynamical parameters and growth of Benzimidazole crystals from low temperature solution. <i>Crystal Research and Technology</i> , 2007, 42, 995-1001.	0.6	2
50	Investigations on the growth, optical behaviour and factor group of an NLO crystal: l-Alanine alaninium nitrate. <i>Crystal Research and Technology</i> , 2007, 42, 1097-1103.	0.6	43
51	Effects of 50 MeV Si ion irradiation on nonlinear optical benzimidazole single crystals. <i>Crystal Research and Technology</i> , 2007, 42, 1376-1381.	0.6	14
52	Cognitions on the effects of swift heavy ion irradiation on the dielectric and optical behaviour in l-asparaginium picrate. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 256, 698-704.	0.6	5
53	Investigations on the growth and characterization studies of cadmium thiourea acetate (CTA) single crystals. <i>Journal of Crystal Growth</i> , 2007, 306, 102-110.	0.7	26
54	Studies on the growth, optical, thermal and dielectric aspects of a proton transfer complex α Dimethyl amino pyridinium 4-nitrophenolate 4-nitrophenol (DMAPNP) crystals for non-linear optical applications. <i>Optical Materials</i> , 2007, 30, 553-564.	1.7	64

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55	Studies on the Growth and Characterization of L-Asparaginium Picrate (LASP) A Novel Nonlinear Optical Crystal. <i>Crystal Growth and Design</i> , 2006, 6, 1663-1670.	1.4	115
56	2,4,6-trinitrophenol (TNP): An organic material for nonlinear optical (NLO) applications. <i>Journal of Crystal Growth</i> , 2006, 289, 639-646.	0.7	65
57	Structural, dielectric and optical properties of N-(2-chlorophenyl)-(1-propanamide) (NCP) single crystals. <i>Journal of Crystal Growth</i> , 2006, 297, 372-381.	0.7	3
58	Synthesis and characterization of 4,4'-dihydroxy- β -methylstilbene crystal. <i>Crystal Research and Technology</i> , 2006, 41, 718-722.	0.6	0
59	Studies on growth, induction period, interfacial energy and metastable zone width of m-nitroaniline. <i>Crystal Research and Technology</i> , 2005, 40, 1128-1133.	0.6	32