

# T Santhanakrishnan

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

167  
citations

1307594

7  
h-index

1281871

11  
g-index

43  
all docs

43  
docs citations

43  
times ranked

134  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical configuration for measurement in speckle interferometry. Optics Letters, 1996, 21, 1958.	3.3	19
2	Assessment of Dynamic Range in Interferometric Fiber Optic Hydrophones Based on Homodyne PGC Interrogator. IEEE Sensors Journal, 2020, 20, 13418-13425.	4.7	18
3	A New Approach of Large Diameter Polymer-Coated Fiber Laser Hydrophone. Journal of Lightwave Technology, 2017, 35, 4097-4104.	4.6	15
4	Optical configuration in speckle shear interferometry for slope change contouring with a twofold increase in sensitivity. Applied Optics, 1998, 37, 3447.	2.1	13
5	An Improved Polymer Shell Encapsulated Fiber Laser Hydrophone. IEEE Sensors Journal, 2018, 18, 589-595.	4.7	13
6	An Efficient Destructive Interference Based on Side Lobe Suppression Method in SONAR Beamforming. Advances in Military Technology, 2021, 16, 107-120.	0.6	8
7	Real time metroplitan bus positionin system desing using GPS and GSM. , 2014, , .		7
8	Effect of Sr and La co-doping on structural and electrical properties of RF sputtered PZT thin films. Materials Research Express, 2020, 7, 026406.	1.6	7
9	Optimization of piezoelectric MEMS process on Sr and La co-doped PZT thin films. Journal of Advanced Dielectrics, 2020, 10, 2050010.	2.4	6
10	Simultaneous implementation of Leendertz and Duffy's methods for in-plane displacement measurement. Optics Communications, 1996, 124, 235-239.	2.1	5
11	Air backed mandrel type fiber optic hydrophone with low noise floor. AIP Conference Proceedings, 2014, , .	0.4	5
12	Cancellation of Towing Ship Interference in Passive SONAR in a Shallow Ocean Environment. Defence Science Journal, 2022, 72, 122-132.	0.8	5
13	A new optical configuration in speckle interferometry for contouring of three-dimensional objects. Optics Communications, 1998, 152, 19-22.	2.1	4
14	Fringe formation in an in-plane displacement measurement configuration with twofold increase in sensitivity: theory and experiment. Applied Optics, 1998, 37, 4150.	2.1	4
15	Optimization Assisted Convolutional Neural Network for Sentiment Analysis with Weighted Holoentropy-based Features. International Journal of Information Technology and Decision Making, 2021, 20, 1261-1297.	3.9	4
16	An Eight Element Hydrophone Array Using DFB Fiber Laser with Bender Bar Packaging. , 2016, , .		4
17	<title>Calibration of angular motion of a scanning mirror mechanism using a lateral-effect position-sensitive photodetector</title>. , 1995, 2550, 105.		3
18	Oblique observation speckle shear interferometers for slope change contouring. Journal of Modern Optics, 1997, 44, 831-839.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Design and analysis of a laser communication link between an underwater body and an air platform. , 2016, , .		3
20	MVDR Beamformer with Subband Peak Energy Detector for Detection and Tracking of Fast Moving Underwater Targets Using Towed Array Sonars. Acta Acustica United With Acustica, 2019, 105, 220-225.	0.8	3
21	Optical diffraction phenomena around the edges of photodetectors: A simplified method for metrological applications. Scientific Reports, 2019, 9, 3397.	3.3	2
22	Utilization of spatial non-uniformity of silicon photodetectors for vibration monitoring. Optics and Laser Technology, 2019, 115, 514-518.	4.6	2
23	Towed Acoustic Countermeasures for Defending Acoustic Homing Torpedoes. Defence Science Journal, 2019, 69, 607-612.	0.8	2
24	Key issues and challenges in device level fabrication of MEMS acoustic sensors using piezo thin films doped with strontium and lanthanum. Journal of Materials Science: Materials in Electronics, 2022, 33, 11271-11280.	2.2	2
25	Study of lateral-effect position-sensitive photodetectors. , 1993, , .		1
26	Analysis and Design of an Efficient Temporal Data Mining Model for the Indian Stock Market. Advances in Intelligent Systems and Computing, 2019, , 615-628.	0.6	1
27	Low-temperature vulcanizable chloroprene rubberâ€“bromobutyl rubber blend for encapsulation of undersea sensors: Nonconventional cure systems and reaction kinetics. Journal of Elastomers and Plastics, 2020, 52, 322-336.	1.5	1
28	A Novel Sequence Graph-Based Approach to Find Academic Research Trends. International Journal of Web Portals, 2020, 12, 45-56.	1.1	1
29	New Insight Into Internal Waves for Maritime Applications: A Novel Optical Method With Ocean Experimental Results. IEEE Journal of Oceanic Engineering, 2021, , 1-8.	3.8	1
30	Weighted holoentropy-based features with optimised deep belief network for automatic sentiment analysis: reviewing product tweets. Journal of Experimental and Theoretical Artificial Intelligence, 0, , 1-29.	2.8	1
31	A Non-Contact Simultaneous Measurement of Out-of-Plane Displacement and Tilt of a Cantilever Using a Quadrant Detector. Journal of Optics (India), 1995, 24, 108-112.	1.7	1
32	System of Systems Architecture for Generic Torpedo Defence System for Surface Ships. Advances in Military Technology, 2019, 14, 307-319.	0.6	1
33	Low Temperature Vulcanisation Technique for CR BIIR Blend for Encapsulation of Oceanic Sensors. Defence Science Journal, 2020, 70, 207-213.	0.8	1
34	Detection of Underwater Targets in the Ocean Through Non-Acoustic Methods. , 2021, , .		1
35	<title>New simple ESPI configurations for deformation studies on large structures based on diffused reference beam</title>. , 1996, 2861, 257.		0
36	A Novel Approach to Find Author's Research Areas of Interests Using Graph Database. International Journal of Web Portals, 2019, 11, 67-74.	1.1	0

#	ARTICLE	IF	CITATIONS
37	Accelerated aging behavior and life prediction of low-temperature vulcanizable CR&agrave;BIIR blend based encapsulant material for undersea sensors. Polymers and Polymer Composites, 0, , 096739112110070.	1.9	0
38	Towards Risk Based Effort Estimation. International Journal of Information System Modeling and Design, 2018, 9, 67-84.	1.1	0
39	Big Data Analysis for Trend Recognition Using Machine Learning Techniques. International Journal of Sensors, Wireless Communications and Control, 2020, 10, 540-550.	0.7	0
40	Sentiment Analysis of Product Reviews using Weighted Distance-based Whale Optimization assisted Deep Belief Network. International Journal of Business Information Systems, 2020, 1, 1.	0.2	0
41	Product beamforming and nested array in tandem for enhanced sonar performance. Multidimensional Systems and Signal Processing, 0, , 1.	2.6	0
42	Simulation Studies on Packaging of Piezo MEMS Acoustic Sensor for Underwater Applications. , 2021, , .		0