

# Sivasubramanian A

## List of Publications by Year in descending order

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39  
papers

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citations

1937685  
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1872680  
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40  
all docs

40  
docs citations

40  
times ranked

72  
citing authors

#	ARTICLE	IF	CITATIONS
1	Redesigning Mach-Zehnder Modulator with Ring Resonators. Lecture Notes in Electrical Engineering, 2018, , 185-191.	0.4	8
2	Study on fundamental and higher order soliton with and without third-order dispersion near zero dispersion point of single mode fiber. Journal of Nonlinear Optical Physics and Materials, 2014, 23, 1450028.	1.8	5
3	Energy conservation in radiation monitoring. Journal of Engineering Research, 2014, 2, .	0.7	5
4	Combined influence of third-order dispersion, intra-pulse Raman scattering, and self-steepening effect on soliton temporal shifts in telecommunications. Photonic Network Communications, 2016, 32, 73-88.	2.7	5
5	Modelling and Analysis of a Corrugated PN Junction Phase Shifter in Silicon MZM. Silicon, 2022, 14, 2669-2677.	3.3	5
6	Quantum Key Based Burst Confidentiality in Optical Burst Switched Networks. Scientific World Journal, The, 2014, 2014, 1-7.	2.1	4
7	Realization of soliton interaction in 100ÂGbps, uncompensated single channel telecommunication system implemented with various telecom fibers. Optical and Quantum Electronics, 2015, 47, 1637-1658.	3.3	4
8	Nanoparticle analysis for various medicinal drugs and human body saliva at macromolecular level. Applied Nanoscience (Switzerland), 2015, 5, 563-568.	3.1	4
9	High Modulation Efficient Silicon MZM with Core-based Split PN Junction Phase Shifter. Silicon, 2022, 14, 7033-7041.	3.3	4
10	Optimization of the Transverse Electric Photonic Strip Waveguide Biosensor for Detecting Diabetes Mellitus from Bulk Sensitivity. Journal of Healthcare Engineering, 2021, 2021, 1-8.	1.9	4
11	A Novel QKD-based Secure Edge Router Architecture Design for Burst Confidentiality in Optical Burst Switched Networks. Journal of Optical Communications, 2014, 35, .	4.7	3
12	Evaluation of particle swarm optimization algorithm in photovoltaic applications. , 2016, , .		3
13	QKD-Based Secured Burst Integrity Design for Optical Burst Switched Networks. Journal of Optical Communications, 2016, 37, .	4.7	3
14	Secured Hash Based Burst Header Authentication Design for Optical Burst Switched Networks. Journal of Optical Communications, 2017, 38, .	4.7	3
15	Optimization of silicon photonic strip waveguide for detection of diabetes mellitus. Materials Today: Proceedings, 2021, 45, 3847-3849.	1.8	3
16	Design of Efficient All Optical Switching Encoder Using XOR gate based on SOA Non Linearity. , 2016, , .		3
17	Pulse Narrowing in Optical Fiber with Polarization Mode Dispersion and Polarization Dependent Loss. Journal of Optics (India), 2006, 35, 179-187.	1.7	2
18	Biomedical optical analytical techniques to analyse the medicinal drugs and optical properties of tissues. International Journal of Biomedical Engineering and Technology, 2013, 12, 38.	0.2	2

#	ARTICLE	IF	CITATIONS
19	Performance Analysis of QAM with MEMS Based SCIR for Indoor Optical Wireless Communication. Applied Mechanics and Materials, 0, 592-594, 2189-2192.	0.2	2
20	Wavelet packet transform based de-noising receiver for indoor optical wireless system. IEICE Electronics Express, 2014, 11, 20140346-20140346.	0.8	2
21	Optimization of Silicon-On-Insulator Photonic Strip Waveguide for Biosensing Applications. Springer Proceedings in Physics, 2021, , 695-698.	0.2	2
22	TDMA Based Low Energy Consuming MAC Protocol for Wireless Sensor Networks in Environmental Monitoring Applications. Communications in Computer and Information Science, 2011, , 420-427.	0.5	2
23	Study on fundamental soliton propagation and their interaction in Enhanced-Large Effective Area Fiber (E-LEAF). , 2014, , .		1
24	Realizing the effect of soliton interaction with third order dispersion (TOD) in 100 Gbps telecommunication system. , 2014, , .		1
25	Characterization and Parameterization of Medicinal Drugs Using Analytical Techniques and Monitoring of Human Body Tissues. Arabian Journal for Science and Engineering, 2014, 39, 5861-5872.	1.1	1
26	OPTICAL SENSOR SYSTEM FOR THE NON-INVASIVE ASSESSMENT OF ARTERIAL STIFFNESS QUANTIFIED BY FOURTH DERIVATIVE OF PHOTOPLETHYSMOGRAM. Biomedical Engineering - Applications, Basis and Communications, 2015, 27, 1550021.	0.6	1
27	Role of positive and negative third order dispersion (TOD) on soliton interaction in 160Gbps telecommunication system. Journal of Nonlinear Optical Physics and Materials, 2015, 24, 1550044.	1.8	1
28	Performance Analysis of Wavelet Packet Transform Based De-Noising Receiver for Visible Light Communication by Using Single Source. International Journal of Engineering Research in Africa, 2015, 20, 195-201.	0.7	1
29	Performance Analysis of Distributed Raman Amplifier Using Different Pumping Methods in DWDM Communication Systems. Journal of Optical Communications, 2018, .	4.7	1
30	Nonvolatile Resistive Switching of Mn3O4 Thin Films for Flexible Electronics Applications. Nanoscience and Nanotechnology - Asia, 2020, 10, 622-630.	0.7	1
31	Pulse narrowing in optical fiber with polarization mode dispersion and polarization-dependent loss for different input states of polarization. Optical Engineering, 2007, 46, 025010.	1.0	0
32	PMD induced broadening on propagation of Chirped Super Gaussian pulse in single mode optical fiber. , 2013, , .		0
33	Simulative study on erbium doped fiber amplifier with respect to temperature dependence. , 2013, , .		0
34	Combined influence of intrapulse Raman scattering and self-steepening effect on soliton interaction in 160 Gbps system. , 2015, , .		0
35	Role of negative-third order dispersion, intrapulse Raman scattering and self steepening effect on soliton intra-channel interaction. , 2015, , .		0
36	Modelling and Analysis of a Plus-Shaped PN Junction Phase Shifter for Data Centre Applications. WSEAS Transactions on Electronics, 2021, 12, 32-37.	0.5	0

#	ARTICLE	IF	CITATIONS
37	Design and Implementation of Travelling Wave Electrode Silicon Mach Zehnder Modulator based Plus-Shaped PN Junction Phase Shifter for Data Centre Application. International Journal of Circuits, Systems and Signal Processing, 2021, 15, 586-594.	0.3	0
38	Step PN Junction-Based Silicon Microring Modulator for High-Speed Application. Silicon, 0, , 1.	3.3	0
39	Silicon MZM with carrier depletion type PIPN phase shifter. , 2022, , .		0