

# Sivasubramanian A

## List of Publications by Year in descending order

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39  
papers

86  
citations

1937685

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h-index

1872680

6  
g-index

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all docs

40  
docs citations

40  
times ranked

72  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling and Analysis of a Corrugated PN Junction Phase Shifter in Silicon MZM. Silicon, 2022, 14, 2669-2677.	3.3	5
2	High Modulation Efficient Silicon MZM with Core-based Split PN Junction Phase Shifter. Silicon, 2022, 14, 7033-7041.	3.3	4
3	Silicon MZM with carrier depletion type PIPN phase shifter. , 2022, , .		0
4	Optimization of silicon photonic strip waveguide for detection of diabetes mellitus. Materials Today: Proceedings, 2021, 45, 3847-3849.	1.8	3
5	Optimization of Silicon-On-Insulator Photonic Strip Waveguide for Biosensing Applications. Springer Proceedings in Physics, 2021, , 695-698.	0.2	2
6	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
7	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
8	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
9	Nonvolatile Resistive Switching of Mn3O4 Thin Films for Flexible Electronics Applications. Nanoscience and Nanotechnology - Asia, 2020, 10, 622-630.	0.7	1
10	Performance Analysis of Distributed Raman Amplifier Using Different Pumping Methods in DWDM Communication Systems. Journal of Optical Communications, 2018, ,	4.7	1
11	Redesigning Mach-Zehnder Modulator with Ring Resonators. Lecture Notes in Electrical Engineering, 2018, , 185-191.	0.4	8
12	Secured Hash Based Burst Header Authentication Design for Optical Burst Switched Networks. Journal of Optical Communications, 2017, 38, ,	4.7	3
13	Evaluation of particle swarm optimization algorithm in photovoltaic applications. , 2016, , .		3
14	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
15	QKD-Based Secured Burst Integrity Design for Optical Burst Switched Networks. Journal of Optical Communications, 2016, 37, ,	4.7	3
16	Design of Efficient All Optical Switching Encoder Using XOR gate based on SOA Non Linearity. , 2016, , .		3
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Nanoparticle analysis for various medicinal drugs and human body saliva at macromolecular level. Applied Nanoscience (Switzerland), 2015, 5, 563-568.	3.1	4
21	Combined influence of intrapulse Raman scattering and self-steepening effect on soliton interaction in 160 Gbps system. , 2015, , .		0
22	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
23	Role of negative-third order dispersion, intrapulse Raman scattering and self steepening effect on soliton intra-channel interaction. , 2015, , .		0
24	Quantum Key Based Burst Confidentiality in Optical Burst Switched Networks. Scientific World Journal, The, 2014, 2014, 1-7.	2.1	4
25	Study on fundamental soliton propagation and their interaction in Enhanced-Large Effective Area Fiber (E-LEAF). , 2014, , .		1
26	Realizing the effect of soliton interaction with third order dispersion (TOD) in 100 Gbps telecommunication system. , 2014, , .		1
27	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
28	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
29	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
30	Wavelet packet transform based de-noising receiver for indoor optical wireless system. IEICE Electronics Express, 2014, 11, 20140346-20140346.	0.8	2
31	Energy conservation in radiation monitoring. Journal of Engineering Research, 2014, 2, .	0.7	5
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	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
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	Pulse Narrowing in Optical Fiber with Polarization Mode Dispersion and Polarization Dependent Loss. Journal of Optics (India), 2006, 35, 179-187.	1.7	2
38	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
39	Step PN Junction-Based Silicon Microring Modulator for High-Speed Application. Silicon, 0, , 1.	3.3	0