

# Sathish Kumar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7040151/publications.pdf>

Version: 2024-02-01

38  
papers

447  
citations

932766

10  
h-index

752256

20  
g-index

40  
all docs

40  
docs citations

40  
times ranked

516  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical, Thermal and Electromagnetic Shielding Effectiveness of MWCN-ABS Films. Transactions on Electrical and Electronic Materials, 2022, 23, 228-236.	1.0	3
2	Ultra-compact plasmonic unidirectional wavelength multiplexer/demultiplexer based on slot cavities. Optical Review, 2022, 29, 51-58.	1.2	4
3	QoS-aware routing protocol for Cognitive Radio Ad Hoc Networks. Ad Hoc Networks, 2021, 113, 102386.	3.4	7
4	Application Aware Multiple Constraint Optimal Paths for Transport Network Using SDN. IEEE Transactions on Network and Service Management, 2021, 18, 4376-4390.	3.2	2
5	Plasmonic Coupler and Multiplexer/Demultiplexer Based on Nano-Groove-Arrays. Plasmonics, 2021, 16, 1685-1692.	1.8	17
6	A Survey and Performance Evaluation of Reinforcement Learning Based Spectrum Aware Routing in Cognitive Radio Ad Hoc Networks. International Journal of Wireless Information Networks, 2020, 27, 144-163.	1.8	15
7	Multiclass Queueing Network Modeling and Traffic Flow Analysis for SDN-Enabled Mobile Core Networks With Network Slicing. IEEE Access, 2020, 8, 417-430.	2.6	15
8	Spectrum-aware cross-layered routing protocol for cognitive radio ad hoc networks. Computer Communications, 2020, 164, 249-260.	3.1	11
9	Plasmonic nanoslit-based dual-wavelength multiplexer. Journal of Optics (India), 2020, 49, 17-22.	0.8	4
10	Morphology, electrical and magnetic study of $\text{Fe}_2\text{O}_3$ coated carbon fabric. Materials Research Express, 2019, 6, 116454.	0.8	1
11	Hybrid polymer composites for EMI shielding application- a review. Materials Research Express, 2019, 6, 082008.	0.8	69
12	Plasmonic Wavelength Demultiplexer with Mode Conversion Capabilities. Plasmonics, 2018, 13, 511-517.	1.8	7
13	A Comparative Study on Single and Multiple Point Crossovers in a Genetic Algorithm for Coarse Protein Modeling. Critical Reviews in Biomedical Engineering, 2018, 46, 163-171.	0.5	2
14	A Review of Protein Structure Prediction Using Lattice Model. Critical Reviews in Biomedical Engineering, 2018, 46, 147-162.	0.5	9
15	Performance Analysis of Out-Band OpenFlow Switch Architecture: The Single Node Case. , 2018, , .		4
16	A Novel Framework for Ab Initio Coarse Protein Structure Prediction. Advances in Bioinformatics, 2018, 2018, 1-17.	5.7	3
17	Unidirectional and bidirectional coupling of surface plasmons based on nonperiodic nano slit array. Photonics Letters of Poland, 2018, 10, 17.	0.2	1
18	NS-2 extension for interface assignment in AODV routing protocol. , 2017, , .		2

#	ARTICLE	IF	CITATIONS
19	Ab initio protein structure prediction using GPU computing. Perspectives in Science, 2016, 8, 645-647.	0.6	4
20	PAPR and out-of-band power reduction in OFDM-based cognitive radios. , 2015, , .		2
21	Performance evaluation of random linear network coding using a Vandermonde matrix. Physical Communication, 2014, 10, 24-30.	1.2	6
22	Plasmonic Lens Based on Elliptically Tapered Metallic Nano Slits. , 2014, , .		0
23	A generalized closed form relation for BER of QPSK/M-QAM over fading channel. , 2010, , .		1
24	Out of plane mode conversion and manipulation of Surface Plasmon Polariton Waves. Optics Express, 2010, 18, 8800.	1.7	35
25	Directional emission from photonic crystal waveguide terminations using particle swarm optimization. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 343.	0.9	20
26	High-efficiency out of plane conversion and manipulation of Surface Plasmon waves. , 2010, , .		1
27	Extraordinary Magnetic Field Enhancement with Metallic Nanowire: Role of Surface Impedance in Babinet's Principle for Sub-Skin-Depth Regime. Physical Review Letters, 2009, 103, 263901.	2.9	49
28	Efficient Storage and Transmission of Digital Fundus Images with Patient Information Using Reversible Watermarking Technique and Error Control Codes. Journal of Medical Systems, 2009, 33, 163-171.	2.2	31
29	Statistical correlation and independence among parallel outputs from delay-interferometer based direct detection multilevel optical DPSK receivers. Optical Fiber Technology, 2009, 15, 50-56.	1.4	0
30	A Torus Embedded Hypercube Scalable Interconnection Network for Parallel Architecture. , 2009, , .		10
31	Performance comparison of delay- interferometer based direct detection oDPSK receivers. Optics Express, 2008, 16, 18776.	1.7	0
32	Performance Evaluation of Trellis Code Modulated oDQPSK Using the KLSE Method. IEEE Photonics Technology Letters, 2007, 19, 1245-1247.	1.3	6
33	Optimization of WDM lightwave systems (BAC) design using error control coding. Optical Fiber Technology, 2007, 13, 156-159.	1.4	0
34	Performance evaluation of SSFBG based optical CDMA systems employing gold sequences. Optical Fiber Technology, 2005, 11, 56-68.	1.4	6
35	SSFBG-based decorrelator for MUI rejection in synchronous optical CDMA systems. IEE Proceedings: Optoelectronics, 2005, 152, 277-284.	0.8	1
36	Performance of Iteratively Decoded Parallel Concatenated Error Control Codes in Phase Noise Corrupted BPSK Systems. IETE Journal of Research, 2004, 50, 237-242.	1.8	0

#	ARTICLE	IF	CITATIONS
37	Transmission and storage of medical images with patient information. Computers in Biology and Medicine, 2003, 33, 303-310.	3.9	86
38	Reliable and robust transmission and storage of medical images with patient information. , 0, , .		8