

# Sathish Kumar

## List of Publications by Year in descending order

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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	Transmission and storage of medical images with patient information. Computers in Biology and Medicine, 2003, 33, 303-310.	3.9	86
2	Hybrid polymer composites for EMI shielding application- a review. Materials Research Express, 2019, 6, 082008.	0.8	69
3	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
4	Out of plane mode conversion and manipulation of Surface Plasmon Polariton Waves. Optics Express, 2010, 18, 8800.	1.7	35
5	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
6	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
7	Plasmonic Coupler and Multiplexer/Demultiplexer Based on Nano-Groove-Arrays. Plasmonics, 2021, 16, 1685-1692.	1.8	17
8	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
9	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
10	Spectrum-aware cross-layered routing protocol for cognitive radio ad hoc networks. Computer Communications, 2020, 164, 249-260.	3.1	11
11	A Torus Embedded Hypercube Scalable Interconnection Network for Parallel Architecture. , 2009, , ,		10
12	A Review of Protein Structure Prediction Using Lattice Model. Critical Reviews in Biomedical Engineering, 2018, 46, 147-162.	0.5	9
13	Reliable and robust transmission and storage of medical images with patient information. , 0, , .		8
14	Plasmonic Wavelength Demultiplexer with Mode Conversion Capabilities. Plasmonics, 2018, 13, 511-517.	1.8	7
15	QoS-aware routing protocol for Cognitive Radio Ad Hoc Networks. Ad Hoc Networks, 2021, 113, 102386.	3.4	7
16	Performance evaluation of SSFBG based optical CDMA systems employing gold sequences. Optical Fiber Technology, 2005, 11, 56-68.	1.4	6
17	Performance Evaluation of Trellis Code Modulated oQPSK Using the KLSE Method. IEEE Photonics Technology Letters, 2007, 19, 1245-1247.	1.3	6
18	Performance evaluation of random linear network coding using a Vandermonde matrix. Physical Communication, 2014, 10, 24-30.	1.2	6

#	ARTICLE	IF	CITATIONS
19	Ab initio protein structure prediction using GPU computing. Perspectives in Science, 2016, 8, 645-647.	0.6	4
20	Performance Analysis of Out-Band OpenFlow Switch Architecture: The Single Node Case. , 2018, , .		4
21	Plasmonic nanoslit-based dual-wavelength multiplexer. Journal of Optics (India), 2020, 49, 17-22.	0.8	4
22	Ultra-compact plasmonic unidirectional wavelength multiplexer/demultiplexer based on slot cavities. Optical Review, 2022, 29, 51-58.	1.2	4
23	A Novel Framework for Ab Initio Coarse Protein Structure Prediction. Advances in Bioinformatics, 2018, 2018, 1-17.	5.7	3
24	Mechanical, Thermal and Electromagnetic Shielding Effectiveness of MWCN-ABS Films. Transactions on Electrical and Electronic Materials, 2022, 23, 228-236.	1.0	3
25	PAPR and out-of-band power reduction in OFDM-based cognitive radios. , 2015, , .		2
26	NS-2 extension for interface assignment in AODV routing protocol. , 2017, , .		2
27	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
28	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
29	SSFBG-based decorrelator for MUI rejection in synchronous optical CDMA systems. IEE Proceedings: Optoelectronics, 2005, 152, 277-284.	0.8	1
30	A generalized closed form relation for BER of QPSK/M-QAM over fading channel. , 2010, , .		1
31	High-efficiency out of plane conversion and manipulation of Surface Plasmon waves. , 2010, , .		1
32	Morphology, electrical and magnetic study of $\text{Fe}_2\text{O}_3$ coated carbon fabric. Materials Research Express, 2019, 6, 116454.	0.8	1
33	Unidirectional and bidirectional coupling of surface plasmons based on nonperiodic nano slit array. Photonics Letters of Poland, 2018, 10, 17.	0.2	1
34	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
35	Optimization of WDM lightwave systems (BAC) design using error control coding. Optical Fiber Technology, 2007, 13, 156-159.	1.4	0
36	Performance comparison of delay- interferometer based direct detection oDPSK receivers. Optics Express, 2008, 16, 18776.	1.7	0

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37	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
38	Plasmonic Lens Based on Elliptically Tapered Metallic Nano Slits. , 2014, , .		0