

# Dilip Kumar Gayen

## List of Publications by Year in descending order

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24  
papers

484  
citations

840776

11  
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713466

21  
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24  
all docs

24  
docs citations

24  
times ranked

188  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous all-optical 1's complement cum division-by-two schemes. Optical and Quantum Electronics, 2022, 54, 1.	3.3	3
2	OPTICAL PARALLEL HALF ADDER USING SEMICONDUCTOR OPTICAL AMPLIFIER-ASSISTED SAGNAC GATES. Journal of Mechanics of Continua and Mathematical Sciences, 2022, 17, .	0.2	1
3	Optical half and full adders using the nonlinear Mach-Zehnder interferometer. Journal of Optics (India), 2021, 50, 314-321.	1.7	8
4	All-optical 2's complement number conversion scheme without binary addition. IET Optoelectronics, 2017, 11, 1-7.	3.3	7
5	All-optical parallel adder using terahertz optical asymmetric demultiplexer. , 2017, , .		0
6	Design of all-optical n-bit 1's complement conversion circuit. , 2017, , .		1
7	Simultaneous all-optical basic arithmetic operations using QD-SOA-assisted Mach-Zehnder interferometer. Journal of Computational Electronics, 2016, 15, 982-992.	2.5	9
8	All-optical D flip-flop using single quantum-dot semiconductor optical amplifier assisted Mach-Zehnder interferometer. Journal of Computational Electronics, 2015, 14, 129-138.	2.5	20
9	Reconfigurable All-Optical Delay Flip Flop Using QD-SOA Assisted Mach-Zehnder Interferometer. Journal of Lightwave Technology, 2014, 32, 4571-4577.	4.6	12
10	All-optical half-adder/half-subtractor using terahertz optical asymmetric demultiplexer. Applied Optics, 2014, 53, 8400.	2.1	29
11	All-optical parallel parity generator circuit with the help of semiconductor optical amplifier (SOA)-assisted Sagnac switches. Optics Communications, 2014, 313, 99-105.	2.1	18
12	All-optical parallel data and address recovery scheme. Optik, 2013, 124, 3357-3361.	2.9	1
13	All-optical 4-bit binary to binary coded decimal converter with the help of semiconductor optical amplifier-assisted Sagnac switch. Optics Communications, 2013, 293, 31-42.	2.1	8
14	Designing of Optimized All-Optical Half Adder Circuit Using Single Quantum-Dot Semiconductor Optical Amplifier Assisted Mach-Zehnder Interferometer. Journal of Lightwave Technology, 2013, 31, 2029-2035.	4.6	46
15	4-bit all-optical binary to two's complement converter. , 2012, , .		5
16	Ultrafast All-Optical Half Adder Using Quantum-Dot Semiconductor Optical Amplifier-Based Mach-Zehnder Interferometer. Journal of Lightwave Technology, 2012, 30, 3387-3393.	4.6	78
17	All-optical carry lookahead adder with the help of terahertz optical asymmetric demultiplexer. Optik, 2012, 123, 40-45.	2.9	13
18	All-optical reconfigurable logic operations with the help of terahertz optical asymmetric demultiplexer. Optik, 2011, 122, 711-718.	2.9	11

#	ARTICLE	IF	CITATIONS
19	All-optical Multiplication with the help of Semiconductor Optical Amplifier-assisted Sagnac Switch. Journal of Computational Electronics, 2010, 9, 57-67.	2.5	17
20	All-optical binary flip-flop with the help of Terahertz Optical Asymmetric Demultiplexer. Natural Computing, 2010, 9, 903-916.	3.0	24
21	TERAHERTZ OPTICAL ASYMMETRIC DEMULTIPLEXER BASED ALL OPTICAL DATA COMPARATOR. Journal of Circuits, Systems and Computers, 2010, 19, 671-682.	1.5	2
22	All-Optical Incrementer/Decrementer with the Help of Semiconductor Optical Amplifier-Assisted Sagnac Switch. International Journal of Optomechatronics, 2010, 4, 177-194.	6.6	4
23	All-optical arithmetic unit with the help of terahertz-optical-asymmetric-demultiplexer-based tree architecture. Applied Optics, 2008, 47, 933.	2.1	64
24	Integrated all-optical logic and arithmetic operations with the help of a TOAD-based interferometer device-alternative approach. Applied Optics, 2007, 46, 5304.	2.1	103