

# Sumit Saha

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

49  
citations

1937685

4  
h-index

1872680

6  
g-index

13  
all docs

13  
docs citations

13  
times ranked

43  
citing authors

#	ARTICLE	IF	CITATIONS
1	Predictive Analysis of Step-Quantum Well Active Region for Quantum Cascade Detectors. Lecture Notes in Electrical Engineering, 2022, , 139-149.	0.4	0
2	Binary and ternary capped In(Ga)As/GaAs self-assembled quantum dots: An annealing study. Superlattices and Microstructures, 2018, 117, 241-251.	3.1	6
3	Thermal analysis of a non-polar, M-plane III-nitride quantum cascade detector. , 2018, , .		0
4	Optical analysis of non-polar, m-plane GaN/AlGaIn quantum cascade structures. , 2017, , .		2
5	Analysis of dark current and detectivity of quantum dot infrared photodetectors under the effect of microscale and nanoscale transport mechanisms. , 2017, , .		0
6	Modelling of carrier transport in non-polar, M- plane III-nitride quantum cascade detectors. , 2017, , .		1
7	A three-dimensional numerical study of transport characteristics of Silicene Nanoribbon TFETs in comparison to GNR TFETs. , 2017, , .		2
8	Complete rate equation modelling of quantum cascade lasers for the analysis of temperature effects. Infrared Physics and Technology, 2016, 79, 85-90.	2.9	9
9	Fully self-consistent analysis of III-nitride quantum cascade structures. Journal of Computational Electronics, 2016, 15, 1531-1540.	2.5	16
10	Rate equation modelling and investigation of quantum cascade detector characteristics. Superlattices and Microstructures, 2016, 98, 70-77.	3.1	8
11	Effect of interface roughness scattering and temperature on quantum cascade detectors. , 2015, , .		1
12	Analysis of the effects of temperature and the electric field on quantum cascade laser characteristics. Optical and Quantum Electronics, 2015, 47, 3273-3287.	3.3	2
13	Effect of temperature and electric field on quantum cascade laser transients. Proceedings of SPIE, 2015, , .	0.8	2