

# Ashutosh Mahajan

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

140  
citations

1684188

5  
h-index

1281871

11  
g-index

20  
all docs

20  
docs citations

20  
times ranked

110  
citing authors

#	ARTICLE	IF	CITATIONS
1	Correction in Active Cases Data of COVID-19 for the US States by Analytical Study. Disaster Medicine and Public Health Preparedness, 2022, 16, 2335-2338.	1.3	1
2	Review on long afterglow nanophosphors, their mechanism and its application in round-the-clock working photocatalysis. Methods and Applications in Fluorescence, 2022, 10, 032001.	2.3	4
3	Estimation of undetected symptomatic and asymptomatic cases of COVID-19 infection and prediction of its spread in the USA. Journal of Medical Virology, 2021, 93, 3202-3210.	5.0	31
4	An analytical model for electron tunneling in triangular quantum wells. Semiconductor Science and Technology, 2021, 36, 055012.	2.0	3
5	Modeling of gate leakage in cylindrical gate-all-around transistors. Journal of Computational Electronics, 2021, 20, 1694-1701.	2.5	0
6	An epidemic model SIPHERD and its application for prediction of the spread of COVID-19 infection in India. Chaos, Solitons and Fractals, 2020, 140, 110156.	5.1	58
7	Efficient Modeling of Barrier Resistance for an Improved Lumped Element Model of GaN-Based MIS-HEMT Gate Stack. IEEE Journal of the Electron Devices Society, 2020, 8, 1145-1153.	2.1	1
8	Modeling of program/erase transient in heterogeneous SiNx charge trap flash memories. Superlattices and Microstructures, 2020, 144, 106577.	3.1	1
9	Modeling and Finite Element Simulation of Gate Leakage in Cylindrical GAA Nanowire FETs. , 2018, , .		0
10	Finite-Element Modeling of Retention in Nanocrystal Flash Memories With High- $k$ Interpoly Dielectric Stack. IEEE Transactions on Electron Devices, 2017, 64, 4897-4903.	3.0	4
11	Finite Element Modeling of Fowler-Nordheim Program-Erase Process in High- $k$ Interpoly Dielectric Flash Memories. IEEE Transactions on Electron Devices, 2016, 63, 4729-4736.	3.0	8
12	Finite element modeling of retention process in high-k interpoly dielectric nanocrystal flash memories. , 2016, , .		0
13	Critical Collapse of Einstein Cluster. Progress of Theoretical Physics, 2007, 118, 865-878.	2.0	4
14	Rebounce and black hole formation in a gravitational collapse model with vanishing radial pressure. General Relativity and Gravitation, 2007, 39, 825-838.	2.0	2
15	Analytical solutions for black-hole critical behaviour. General Relativity and Gravitation, 2007, 39, 1847-1854.	2.0	2
16	Gravitational collapse from smooth initial data with vanishing radial pressure. Classical and Quantum Gravity, 2005, 22, 271-282.	4.0	10
17	Cosmic censorship in higher dimensions. II.. Physical Review D, 2005, 72, .	4.7	6