

# Prashanth Kumar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11155294/publications.pdf>

Version: 2024-02-01

10  
papers

164  
citations

1163117

8  
h-index

1474206

9  
g-index

10  
all docs

10  
docs citations

10  
times ranked

60  
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of ambipolar conduction and investigation of RF performance characteristics of gate-drain underlap SiGe Schottky barrier field effect transistor. <i>Micro and Nano Letters</i> , 2018, 13, 626-630.	1.3	23
2	Scaling of Dopant Segregation Schottky Barrier Using Metal Strip Buried Oxide MOSFET and its Comparison with Conventional Device. <i>Silicon</i> , 2018, 10, 811-820.	3.3	22
3	Source-Drain Junction Engineering Schottky Barrier MOSFETs and their Mixed Mode Application. <i>Silicon</i> , 2020, 12, 821-830.	3.3	22
4	Impact of ferroelectric on the electrical characteristics of silicon-germanium based heterojunction Schottky barrier FET. <i>AEU - International Journal of Electronics and Communications</i> , 2019, 107, 257-263.	2.9	21
5	2-D analytical modeling for electrostatic potential and threshold voltage of a dual work function gate Schottky barrier MOSFET. <i>Journal of Computational Electronics</i> , 2017, 16, 658-665.	2.5	20
6	2D analytical model for surface potential based electric field and impact of work function in DMG SB MOSFET. <i>Superlattices and Microstructures</i> , 2017, 109, 805-814.	3.1	20
7	A physics-based threshold voltage model for heterodielectric dual material gate Schottky barrier MOSFET. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2018, 31, e2320.	1.9	19
8	Analysis and Simulation of Schottky Tunneling Using Schottky Barrier FET with 2-D Analytical Modeling. <i>Silicon</i> , 2022, 14, 831-837.	3.3	10
9	Performance Analysis of Double Gate Dielectric Modulation in Schottky FET as Biomolecule Sensor. <i>Silicon</i> , 2022, 14, 4767-4773.	3.3	5
10	Recent Study on Schottky Tunnel Field Effect Transistor for Biosensing Applications. <i>Silicon</i> , 0, , .	3.3	2