

# Shaharin Fadzli Abd Rahman

## List of Publications by Year in descending order

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21  
papers

127  
citations

1307594

7  
h-index

1372567

10  
g-index

21  
all docs

21  
docs citations

21  
times ranked

161  
citing authors

#	ARTICLE	IF	CITATIONS
1	Junction properties analysis of silicon back-to-back Schottky diode with reduced graphene oxide Schottky electrodes. <i>Microelectronic Engineering</i> , 2018, 196, 32-37.	2.4	24
2	Room temperature nonlinear operation of a graphene-based three-branch nanojunction device with chemical doping. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	22
3	Dual-Functional On-Chip AlGaAs/GaAs Schottky Diode for RF Power Detection and Low-Power Rectenna Applications. <i>Sensors</i> , 2011, 11, 8127-8142.	3.8	15
4	Defect-free mixed mono- and bi-layer graphene synthesized from refined palm oil by thermal chemical vapor deposition. <i>Materials Letters</i> , 2016, 182, 168-172.	2.6	14
5	Design, fabrication and characterization of a Schottky diode on an AlGaAs/GaAs HEMT structure for on-chip RF power detection. <i>Superlattices and Microstructures</i> , 2010, 47, 274-287.	3.1	12
6	Investigation on Transition Diode Properties of rGOâ€GO/nâ€Si Heterojunction. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900064.	1.8	11
7	Graphene as a Buffer Layer for Silicon Carbide-on-Insulator Structures. <i>Materials</i> , 2012, 5, 2270-2279.	2.9	9
8	RFâ€DC power conversion of Schottky diode fabricated on AlGaAs/GaAs heterostructure for on-chip rectenna device application in nanosystems. <i>Microsystem Technologies</i> , 2010, 16, 1713-1717.	2.0	6
9	Identification of Graphene Layer Numbers from Color Combination Contrast Image for Wide-Area Characterization. <i>Japanese Journal of Applied Physics</i> , 2012, 51, 06FD09.	1.5	5
10	RF characterization of planar dipole antenna for on-chip integration with GaAs-based schottky diode. , 2009, , .		3
11	RF-DC power conversion of Schottky diode fabricated on AlGaAs/GaAs heterostructure for on-chip rectenna device application in nanosystem. , 2009, , .		2
12	Fabrication of open gate structure on GaN-based HEMT for pH sensing. , 2009, , .		2
13	Fabrication and Characterization of Planar Dipole Antenna Integrated with GaAs Based-Schottky Diode for On-chip Electronic Device Application. <i>IOP Conference Series: Materials Science and Engineering</i> , 2011, 17, 012023.	0.6	1
14	Dry Transfer Process of Single-Layer Graphene on Multi-Layer Hexagonal Boron Nitride for High Quality Heterostructure. <i>Materials Science Forum</i> , 0, 1055, 171-178.	0.3	1
15	On-chip integration of planar dipole antenna with AlGaAs/GaAs Schottky diode for RF power detection. , 2009, , .		0
16	Effects of various metal contacts on contact resistance and barrier height of metal/graphene interface. , 2010, , .		0
17	Power Conversion Efficiency of AlGaAsâˆ•GaAs Schottky Diode for Low-Power On-Chip Rectenna Device Application. , 2011, , .		0
18	Fabrication and transport performance of three-branch junction graphene nanostructure. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
19	Graphene layer number determination from red-, green-, and blue-channel of optical images. , 2012, , .		0
20	Fabrication of reduced graphene oxide-gated AlGaAs/GaAs heterojunction transistor. , 2016, , .		0
21	Gaussian distribution of inhomogeneous barrier height in nanocrystalline graphite (NCG)/p-Si Schottky diodes. Japanese Journal of Applied Physics, 2019, 58, 065002.	1.5	0