Muhammad M A Mirza

List of Publications by Year
in descending order

15	624	1163117 8	1474206 9
papers	citations	h-index	g-index

15	15	15	1074
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design and fabrication of memory devices based on nanoscale polyoxometalate clusters. Nature, 2014, 515, 545-549.	27.8	301
2	High performance planar germanium-on-silicon single-photon avalanche diode detectors. Nature Communications, 2019, 10, 1086.	12.8	104
3	Nanofabrication of high aspect ratio (â^¼450:1) sub-10â€‰nm silicon nanowires using inductively coupled plasma etching. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2012, 30, .	1.2	73
4	3D LIDAR imaging using Ge-on-Si singleâ€“photon avalanche diode detectors. Optics Express, 2020, 28, 1330.	3.4	45
5	One dimensional transport in silicon nanowire junction-less field effect transistors. Scientific Reports, 2017, 7, 3004.	3.3	31
6	Determining the Electronic Performance Limitations in Top-Down-Fabricated Si Nanowires with Mean Widths Down to 4 nm. Nano Letters, 2014, 14, 6056-6060.	9.1	25
7	Experimental and Simulation Study of Silicon Nanowire Transistors Using Heavily Doped Channels. IEEE Nanotechnology Magazine, 2017, 16, 727-735.	2.0	17
8	THz intersubband electroluminescence from n-type Ge/SiGe quantum cascade structures. Applied Physics Letters, 2021, 118, .	3.3	15
9	Quantum interference in silicon one-dimensional junctionless nanowire field-effect transistors. Physical Review B, 2018, 98, .	3.2	5
10	Geiger Mode Ge-on-Si Single-Photon Avalanche Diode Detectors. , 2019, , .		3
11	Variability study of high current junctionless silicon nanowire transistors. , 2017, , .		2
12	Geiger Mode Ge-on-Si Single-Photon Avalanche Diode Detectors. , 2019, , .		2
13	Ge-on-Si Single Photon Avalanche Diode Detectors for LIDAR in the Short Wave Infrared. , 2020, , .		1
14	Terahertz intersubband electroluminescence from n-type germanium quantum wells. , 2021, , .		0
15	THz Intersubband Emitter based on Silicon. , 2021, , .		0