

# Roshdy A Abdelrassoul

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4370230/publications.pdf>

Version: 2024-02-01

35  
papers

114  
citations

1684188

5  
h-index

1588992

8  
g-index

35  
all docs

35  
docs citations

35  
times ranked

105  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of the Silicon Solar Cell Efficiency by Spin-Coated Polythiophene Films Embedded with Gold or Palladium Nanoparticles on the Rear Contact. ACS Omega, 2021, 6, 13077-13086.	3.5	7
2	Hybrid Signature Scheme Integrating Elliptic Curve Cryptosystem with Ong, Schnorr, and Shamir Digital Signature Scheme. Journal of Physics: Conference Series, 2020, 1454, 012006.	0.4	1
3	LNA Design Optimization Using DNA Computing. Journal of Physics: Conference Series, 2020, 1447, 012048.	0.4	0
4	Adaptive free space optic system based on visibility detector to overcome atmospheric attenuation. Results in Physics, 2019, 14, 102392.	4.1	20
5	Synthesis and Characterization of Neodymium Oxide Doped Phosphate Glass Matrix for Solar Cell Application. , 2019, , .		0
6	Design and simulation of RF MEMS comb drive with ultra-low pull-in voltage and maximum displacement. Microsystem Technologies, 2018, 24, 3443-3453.	2.0	9
7	MINIATURIZED BEAM-SWITCHING ARRAY ANTENNA WITH MIMO DIRECT CONVERSION TRANSCEIVER (MIMO-DCT) SYSTEM FOR LTE AND WIRELESS COMMUNICATION APPLICATIONS. Progress in Electromagnetics Research C, 2018, 85, 9-23.	0.9	2
8	Comparative Study of Spectrum Sensing for Cognitive Radio System Using Energy Detection over Different Channels. , 2016, , .		11
9	Genetic Algorithm-Optimized PID Controller for Better Performance of PV System. , 2016, , .		11
10	A New Design and Implementation of Packets in Digitizer Used in Earthquakes Monitoring Systems. , 2016, , .		0
11	RF MEMS capacitive switch fixed-fixed structure analysis. , 2016, , .		0
12	Miniaturized MIMO direct conversion transceiver (MIMO-DCT) system with integrated antenna for LTE and wireless communication applications. , 2016, , .		2
13	Neural based prediction of scattering and noise parameters for solid state microwave transistors. , 2014, , .		4
14	Triangular-shaped RF MEMS switched air gap capacitor in imec's SiGe-MEMS platform. , 2013, , .		0
15	Performance with application to folded cascode of a near-ballistic limit carbon nano transistor (CNT) circuits. , 2012, , .		1
16	A high - speed analog comparator in 0.5 $\mu\text{m}$ CMOS technology. , 2008, , .		2
17	A new very low-voltage, low-power CMOS RF mixer. , 2008, , .		0
18	Performance Analysis of OFDM with M-ary Modulation in Sum of Frequency-Selective Arbitrary Nakagami-m Fading Channels. , 2007, , .		1

#	ARTICLE	IF	CITATIONS
19	Efficient Utilization of Orthogonal Variable Spreading Factor Trees Using Two levels Of Hierarchies and Adaptive Rate Control Mechanism. , 2007, , .		0
20	Properties of II-VI Semiconductor Thin Films Prepared by Vacuum Evaporation for Photovoltaic Application. , 2007, , .		1
21	MRC Diversity Reception of OFDM with M-ary Modulation over Frequency-Selective Nakagami-m Fading Channels. , 2007, , 245-257.		0
22	A New Simple Model for the Single-Electron Transistor (SET). , 2006, , .		5
23	A New Fast and Accurate Steady State Master Equation Model for Capacitively-Coupled Single-Electron Transistor (SET). , 2006, , .		2
24	Low-power CMOS circuits for analog VLSI programmable neural networks. , 2003, , .		4
25	Chemical-vapor deposited large-area multicrystalline epitaxial silicon solar cells on upgraded metallurgical silicon/graphite substrates. Renewable Energy, 2001, 23, 399-408.	8.9	2
26	Analysis of anomalous current-voltage characteristics of silicon solar cells. Renewable Energy, 2001, 23, 409-416.	8.9	2
27	Mobility Degradation Models for Electrons in Inversion Layers of Silicon. Journal of King Saud University, Engineering Sciences, 1999, 11, 71-82.	2.0	0
28	Potential for economic solar desalination in the Middle East. Renewable Energy, 1998, 14, 345-349.	8.9	11
29	High-efficiency thin-film polycrystalline-silicon solar cells. Journal of Applied Physics, 1979, 50, 919-921.	2.5	13
30	Low-voltage CMOS switched resistor filters. , 0, , .		2
31	Analysis of anomalies in current-voltage characteristics of silicon solar cells. , 0, , .		1
32	An accurate analytical model of the AlGaAs/GaAs high electron mobility transistor (HEMT). , 0, , .		0
33	Low-power CMOS analog front-end for wireless communication. , 0, , .		0
34	Modeling transconductance- and capacitance-voltage characteristics of AlGaAs/GaAs HEMTs. , 0, , .		0
35	Performance characteristics of avalanche photodiodes. , 0, , .		0