

# Ahmed Mahmoud

## List of Publications by Year in descending order

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10  
papers

129  
citations

1307594

7  
h-index

1588992

8  
g-index

10  
all docs

10  
docs citations

10  
times ranked

157  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modular framework for molecular-FET device-to-circuit modeling. , 2015, , .		0
2	Atomistic study of three-leg molecular devices. Organic Electronics, 2015, 24, 37-42.	2.6	8
3	Atomistic study on dithiolated oligo-phenylenevinylene gated device. Journal of Applied Physics, 2014, 116, 204504.	2.5	6
4	Toward Circuit Modeling of Molecular Devices. IEEE Nanotechnology Magazine, 2014, 13, 510-516.	2.0	14
5	Physical unclonable functions based on crossbar arrays for cryptographic applications. International Journal of Circuit Theory and Applications, 2013, 41, 619-633.	2.0	22
6	Conductance Enhancement of InAs/InP Heterostructure Nanowires by Surface Functionalization with Oligo(phenylene vinylene)s. ACS Nano, 2013, 7, 4111-4118.	14.6	16
7	First-Principles Study of a Novel Molecular Rectifier. IEEE Nanotechnology Magazine, 2013, 12, 719-724.	2.0	12
8	Study on molecular devices with negative differential resistance. Applied Physics Letters, 2013, 103, .	3.3	27
9	Designing the rectification behavior of molecular diodes. Journal of Applied Physics, 2012, 112, .	2.5	15
10	Transport characterization of a gated molecular device with negative differential resistance. , 2012, , .		9