Mokter Mahmud Chowdhury

List of Publications by Year
in descending order

15	100	1478505 6	1588992 8
papers	citations	h-index	g-index

15	15	15	119
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rotatingâ€Electricâ€Fieldâ€Induced Carbonâ€Nanotubeâ€Based Nanomotor in Water: A Molecular Dynamics Study. Small, 2017, 13, 1603978.	10.0	31
2	An optoelectronic analytical model for bulk heterojunction organic solar cells incorporating position and wavelength dependent carrier generation. Solar Energy Materials and Solar Cells, 2015, 132, 107-117.	6.2	16
3	A physics-based analytical model for bulk heterojunction organic solar cells incorporating monomolecular recombination mechanism. Current Applied Physics, 2014, 14, 340-344.	2.4	12
4	Effect of spatial distribution of generation rate on bulk heterojunction organic solar cell performance: A novel semi-analytical approach. Organic Electronics, 2017, 46, 226-241.	2.6	12
5	An analytical model for bulk heterojunction organic solar cells using a new empirical expression of space dependent photocarrier generation. Solar Energy, 2016, 126, 64-72.	6.1	10
6	Graphene Nanoscrolls via Electric-Field-Induced Transformation of Water-Submerged Graphene Nanoribbons for Energy Storage, Nanofluidic, and Nanoelectronic Applications. ACS Applied Nano Materials, 2019, 2, 5857-5870.	5.0	7
7	Heat localization through reduced dimensionality. Physical Review B, 2018, 98, .	3.2	4
8	Effect of bending on the molecular transport along carbon nanotubes. Physica Status Solidi (B): Basic Research, 2017, 254, 1600266.	1.5	3
9	Approximation of carrier generation rate in common solar cells and studies for optimization of n+p silicon solar cell for AM1.5G and AM1.5D. , 2012, , .		2
10	Dynamics of fullerene self-insertion into carbon nanotubes in water. , 2014, , .		1
11	The role of carbon nanotube forest density in thermionic emission. , 2016, , .		1
12	The role of lateral confinement in the localized heating of thermionic emitters based on carbon nanotube forests. , 2018, , .		1
13	An analytical model of minority carrier in exponentially doped solar cell under illumination. , 2014, , .		0
14	Effect of bending on the molecular transport along carbon nanotubes (Phys. Status Solidi B 2/2017). Physica Status Solidi (B): Basic Research, 2017, 254, 1770210.	1.5	0
15	Effect of thermal pre-treatment on thermionic emission current stability from carbon nanotube forests. , 2018, , .		0