

# Vishal Shrotriya

## List of Publications by Year in descending order

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15  
papers

9,186  
citations

686830

13  
h-index

1125271

13  
g-index

15  
all docs

15  
docs citations

15  
times ranked

8799  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-efficiency solution processable polymer photovoltaic cells by self-organization of polymer blends. , 2010, , 80-84.		24
2	Manipulating regioregular poly(3-hexylthiophene) : [6,6]-phenyl-C61-butyric acid methyl ester blends route towards high efficiency polymer solar cells. Journal of Materials Chemistry, 2007, 17, 3126.	6.7	351
3	Transition metal oxides as the buffer layer for polymer photovoltaic cells. Applied Physics Letters, 2006, 88, 073508.	1.5	953
4	Efficient light harvesting in multiple-device stacked structure for polymer solar cells. Applied Physics Letters, 2006, 88, 064104.	1.5	193
5	Tuning acceptor energy level for efficient charge collection in copper-phthalocyanine-based organic solar cells. Applied Physics Letters, 2006, 88, 153504.	1.5	132
6	Effect of self-organization in polymer/fullerene bulk heterojunctions on solar cell performance. Applied Physics Letters, 2006, 89, 063505.	1.5	331
7	Modeling optical effects and thickness dependent current in polymer bulk-heterojunction solar cells. Journal of Applied Physics, 2006, 100, 114509.	1.1	224
8	Tandem stacking structure for polymer solar cells by using semi-transparent electrodes. , 2006, 6334, 170.		1
9	Effects of C70 derivative in low band gap polymer photovoltaic devices: Spectral complementation and morphology optimization. Applied Physics Letters, 2006, 89, 153507.	1.5	106
10	Absorption spectra modification in poly(3-hexylthiophene):methanofullerene blend thin films. Chemical Physics Letters, 2005, 411, 138-143.	1.2	269
11	High-efficiency solution processable polymer photovoltaic cells by self-organization of polymer blends. Nature Materials, 2005, 4, 864-868.	13.3	5,281
12	Efficient photovoltaic energy conversion in tetracene-C60 based heterojunctions. Applied Physics Letters, 2005, 86, 243506.	1.5	124
13	Capacitance voltage characterization of polymer light-emitting diodes. Journal of Applied Physics, 2005, 97, 054504.	1.1	129
14	Investigation of annealing effects and film thickness dependence of polymer solar cells based on poly(3-hexylthiophene). Journal of Applied Physics, 2005, 98, 043704.	1.1	730
15	High-performance organic thin-film transistors with metal oxide/metal bilayer electrode. Applied Physics Letters, 2005, 87, 193508.	1.5	338