

# Vishal Shrotriya

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12084099/publications.pdf>

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