

# Varun Penmatsa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12100632/publications.pdf>

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1163117  
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docs citations

11  
times ranked

452  
citing authors

#	ARTICLE	IF	CITATIONS
1	Integration of Carbon Nanotubes to C-MEMS for On-chip Supercapacitors. IEEE Nanotechnology Magazine, 2010, 9, 734-740.	2.0	65
2	Three-dimensional graphene nanosheet encrusted carbon micropillar arrays for electrochemical sensing. Nanoscale, 2012, 4, 3673.	5.6	52
3	Highly sensitive detection of platelet-derived growth factor on a functionalized diamond surface using aptamer sandwich design. Analyst, The, 2012, 137, 1692.	3.5	47
4	Fabrication of carbon nanostructures using photo-nanoimprint lithography and pyrolysis. Journal of Micromechanics and Microengineering, 2012, 22, 045024.	2.6	34
5	Platelet-derived growth factor oncoprotein detection using three-dimensional carbon microarrays. Biosensors and Bioelectronics, 2013, 39, 118-123.	10.1	30
6	Direct amination on 3-dimensional pyrolyzed carbon micropattern surface for DNA detection. Materials Letters, 2009, 63, 2680-2683.	2.6	28
7	Fabrication of porous carbon micropillars using a block copolymer as porogen. Carbon, 2010, 48, 4109-4115.	10.3	22
8	Modeling and Simulation of Enzymatic Biofuel Cells with Three-Dimensional Microelectrodes. Energies, 2014, 7, 4694-4709.	3.1	20
9	Comparison of Different Oxidation Techniques for Biofunctionalization of Pyrolyzed Carbon. Material Science Research India, 2014, 11, 01-08.	0.7	8
10	Synthesis and characterization of N-rich single crystalline SiOxNy nanowires with three-dimensional branches. Applied Physics Letters, 2009, 94, 231903.	3.3	6
11	Functionalized carbon microarrays platform for high sensitive detection of HIV-Tat peptide. RSC Advances, 2015, 5, 65042-65047.	3.6	5