

# Marleen H Van Der Veen

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20  
papers

702  
citations

10  
h-index

20  
g-index

20  
ext. papers

737  
ext. citations

3.2  
avg, IF

3.08  
L-index

#	Paper	IF	Citations
20	Dual Role of Hydrogen in Low Temperature Plasma Enhanced Carbon Nanotube Growth. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 18293-18302	3.8	8
19	Electrochemical deposition of subnanometer Ni films on TiN. <i>Langmuir</i> , <b>2014</b> , 30, 2047-53	4	18
18	Increased carbon nanotube area density after catalyst generation from cobalt disilicide using a cyclic reactive ion etching approach. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 144302	2.5	3
17	Growth and integration challenges for carbon nanotube interconnects. <i>Microelectronic Engineering</i> , <b>2014</b> , 120, 188-193	2.5	18
16	Electrical improvement of CNT contacts with Cu damascene top metallization <b>2013</b> ,		5
15	Enhanced nucleation of Ni nanoparticles on TiN through H <sub>3</sub> BO <sub>3</sub> -mediated growth inhibition. <i>Electrochimica Acta</i> , <b>2013</b> , 109, 411-418	6.7	15
14	Electrical characterization of CNT contacts with Cu Damascene top contact. <i>Microelectronic Engineering</i> , <b>2013</b> , 106, 106-111	2.5	25
13	Wafer-Level Electrical Evaluation of Vertical Carbon Nanotube Bundles as a Function of Growth Temperature. <i>Japanese Journal of Applied Physics</i> , <b>2013</b> , 52, 04CN02	1.4	3
12	Electrical and structural characterization of 150 nm CNT contacts with Cu damascene top metallization <b>2012</b> ,		2
11	Charge transfer effects in graphene-CdSe/ZnS quantum dots composites <b>2012</b> ,		3
10	Carbon nanotube growth from Langmuir-Blodgett deposited Fe <sub>3</sub> O <sub>4</sub> nanocrystals. <i>Nanotechnology</i> , <b>2012</b> , 23, 405604	3.4	6
9	Complementary metal-oxide-semiconductor-compatible and self-aligned catalyst formation for carbon nanotube synthesis and interconnect fabrication. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 064310	2.5	13
8	Single Layer vs Bilayer Graphene: A Comparative Study of the Effects of Oxygen Plasma Treatment on Their Electronic and Optical Properties. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 16619-16624	3.8	56
7	Carbon nanotube interconnects: Electrical characterization of 150 nm CNT contacts with Cu damascene top contact <b>2011</b> ,		4
6	Silver-Assisted Etching of Silicon Nanowires. <i>ECS Transactions</i> , <b>2010</b> , 33, 49-58	1	5
5	Modified, semiconducting graphene in contact with a metal: Characterization of the Schottky diode. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 163101	3.4	25
4	Bandgap opening in oxygen plasma-treated graphene. <i>Nanotechnology</i> , <b>2010</b> , 21, 435203	3.4	253

3	Substrate-limited Mobility in Single- and Bi-layer Graphene on Dielectric Materials. <i>ECS Transactions</i> , <b>2009</b> , 19, 201-209	1	4
2	Synthesis and properties of an anthraquinone-based redox switch for molecular electronics. <i>Organic Letters</i> , <b>2006</b> , 8, 2333-6	6.2	114
1	Donor-Acceptor Diblock Copolymers Based on PPV and C60: Synthesis, Thermal Properties, and Morphology. <i>Macromolecules</i> , <b>2004</b> , 37, 3673-3684	5.5	122