

Marleen H Van Der Veen

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

763
citations

932766

10
h-index

887659

17
g-index

20
all docs

20
docs citations

20
times ranked

1625
citing authors

#	ARTICLE	IF	CITATIONS
1	Bandgap opening in oxygen plasma-treated graphene. <i>Nanotechnology</i> , 2010, 21, 435203.	1.3	289
2	Donor-acceptor Diblock Copolymers Based on PPV and C60: Synthesis, Thermal Properties, and Morphology. <i>Macromolecules</i> , 2004, 37, 3673-3684.	2.2	124
3	Synthesis and Properties of an Anthraquinone-Based Redox Switch for Molecular Electronics. <i>Organic Letters</i> , 2006, 8, 2333-2336.	2.4	124
4	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> , 2011, 115, 16619-16624.	1.5	60
5	Electrical characterization of CNT contacts with Cu Damascene top contact. <i>Microelectronic Engineering</i> , 2013, 106, 106-111.	1.1	26
6	Modified, semiconducting graphene in contact with a metal: Characterization of the Schottky diode. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	25
7	Growth and integration challenges for carbon nanotube interconnects. <i>Microelectronic Engineering</i> , 2014, 120, 188-193.	1.1	20
8	Electrochemical Deposition of Subnanometer Ni Films on TiN. <i>Langmuir</i> , 2014, 30, 2047-2053.	1.6	19
9	Enhanced nucleation of Ni nanoparticles on TiN through H3BO3-mediated growth inhibition. <i>Electrochimica Acta</i> , 2013, 109, 411-418.	2.6	18
10	Complementary metal-oxide-semiconductor-compatible and self-aligned catalyst formation for carbon nanotube synthesis and interconnect fabrication. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	13
11	Dual Role of Hydrogen in Low Temperature Plasma Enhanced Carbon Nanotube Growth. <i>Journal of Physical Chemistry C</i> , 2015, 119, 18293-18302.	1.5	8
12	Carbon nanotube growth from Langmuir-Blodgett deposited Fe3O4 nanocrystals. <i>Nanotechnology</i> , 2012, 23, 405604.	1.3	6
13	Electrical improvement of CNT contacts with Cu damascene top metallization. , 2013, , .		6
14	Silver-Assisted Etching of Silicon Nanowires. <i>ECS Transactions</i> , 2010, 33, 49-58.	0.3	5
15	Carbon nanotube interconnects: Electrical characterization of 150 nm CNT contacts with Cu damascene top contact. , 2011, , .		5
16	Substrate-limited Mobility in Single- and Bi-layer Graphene on Dielectric Materials. <i>ECS Transactions</i> , 2009, 19, 201-209.	0.3	4
17	Charge transfer effects in graphene-CdSe/ZnS quantum dots composites. <i>Proceedings of SPIE</i> , 2012, , .	0.8	3
18	Wafer-Level Electrical Evaluation of Vertical Carbon Nanotube Bundles as a Function of Growth Temperature. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 04CN02.	0.8	3

#	ARTICLE	IF	CITATIONS
19	Increased carbon nanotube area density after catalyst generation from cobalt disilicide using a cyclic reactive ion etching approach. Journal of Applied Physics, 2014, 115, 144302.	1.1	3
20	Electrical and structural characterization of 150 nm CNT contacts with Cu damascene top metallization. , 2012, , .		2