

Anexa 5.2.1. Lucrari in domeniul nano cu peste 100 citari

1. Title: Probing the cytotoxicity of semiconductor quantum dots
Author(s): Derfus AM, Chan WCW, Bhatia SN
Source: NANO LETTERS Volume: 4 Issue: 1 Pages: 11-18 Published: JAN 2004 90 80 156 191 172 768 109.71
2. Title: High performance silicon nanowire field effect transistors
Author(s): Cui Y, Zhong ZH, Wang DL, et al.
Source: NANO LETTERS Volume: 3 Issue: 2 Pages: 149-152 Published: FEB 2003 72 117 133 147 115 672 84.00
3. Title: High weight fraction surfactant solubilization of single-wall carbon nanotubes in water
Author(s): Islam MF, Rojas E, Bergey DM, et al.
Source: NANO LETTERS Volume: 3 Issue: 2 Pages: 269-273 Published: FEB 2003 70 84 107 116 118 587 73.38
4. Title: Individually suspended single-walled carbon nanotubes in various surfactants
Author(s): Moore VC, Strano MS, Haroz EH, et al.
Source: NANO LETTERS Volume: 3 Issue: 10 Pages: 1379-1382 Published: OCT 2003 69 85 114 112 108 565 70.62
5. Title: Highly luminescent monodisperse CdSe and CdSe/ZnS nanocrystals synthesized in a hexadecylamine-trioctylphosphine oxide-trioctylphosphine mixture
Author(s): Talapin DV, Rogach AL, Kornowski A, et al.
Source: NANO LETTERS Volume: 1 Issue: 4 Pages: 207-211 Published: APR 2001 60 81 85 100 60 558 62.00
6. Title: Large-scale hexagonal-patterned growth of aligned ZnO nanorods for nano-optoelectronics and nanosensor arrays
Author(s): Wang XD, Summers CJ, Wang ZL
Source: NANO LETTERS Volume: 4 Issue: 3 Pages: 423-426 Published: MAR 2004 77 90 94 114 106 549 78.43
7. Title: Carbon nanotube inter- and intramolecular logic gates
Author(s): Derycke V, Martel R, Appenzeller J, et al.
Source: NANO LETTERS Volume: 1 Issue: 9 Pages: 453-456 Published: SEP 2001 66 55 60 54 27 540 60.00
8. Title: Block-by-block growth of single-crystalline Si/SiGe superlattice nanowires
Author(s): Wu YY, Fan R, Yang PD
Source: NANO LETTERS Volume: 2 Issue: 2 Pages: 83-86 Published: FEB 2002 63 70 89 73 46 524 58.22
9. Title: Superhydrophobic carbon nanotube forests
Author(s): Lau KKS, Bico J, Teo KBK, et al.
Source: NANO LETTERS Volume: 3 Issue: 12 Pages: 1701-1705 Published: DEC 2003 73 88 109 93 111 523 65.38

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Author(s): Kong XY, Wang ZL
Source: NANO LETTERS Volume: 3 Issue: 12 Pages: 1625-1631 Published: DEC 2003
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11. Title: Use of highly-ordered TiO₂ nanotube arrays in dye-sensitized solar cells
Author(s): Mor GK, Shankar K, Paulose M, et al.
Source: NANO LETTERS Volume: 6 Issue: 2 Pages: 215-218 Published: FEB 2006 14
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12. Title: Hierarchical ZnO nanostructures
Author(s): Lao JY, Wen JG, Ren ZF
Source: NANO LETTERS Volume: 2 Issue: 11 Pages: 1287-1291 Published: NOV 2002
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13. Title: Crystalline silver nanowires by soft solution processing
Author(s): Sun YG, Gates B, Mayers B, et al.
Source: NANO LETTERS Volume: 2 Issue: 2 Pages: 165-168 Published: FEB 2002 67
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14. Title: Enzyme-coated carbon nanotubes as single-molecule biosensors
Author(s): Besteman K, Lee JO, Wiertz FGM, et al.
Source: NANO LETTERS Volume: 3 Issue: 6 Pages: 727-730 Published: JUN 2003 58
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Author(s): Loo C, Lowery A, Halas NJ, et al.
Source: NANO LETTERS Volume: 5 Issue: 4 Pages: 709-711 Published: APR 2005 49
83 115 112 104 468 78.00
16. Title: Direct ultrasensitive electrical detection of DNA and DNA sequence variations using nanowire nanosensors
Author(s): Hahm J, Lieber CM
Source: NANO LETTERS Volume: 4 Issue: 1 Pages: 51-54 Published: JAN 2004 66 73
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17. Title: Single silver nanoparticles as real-time optical sensors with zeptomole sensitivity
Author(s): McFarland AD, Van Duyne RP
Source: NANO LETTERS Volume: 3 Issue: 8 Pages: 1057-1062 Published: AUG 2003
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18. Title: Determining the size and shape dependence of gold nanoparticle uptake into mammalian cells
Author(s): Chithrani BD, Ghazani AA, Chan WCW
Source: NANO LETTERS Volume: 6 Issue: 4 Pages: 662-668 Published: APR 2006 10
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19. Title: Nanoscale morphology of high-performance polymer solar cells

Author(s): Yang XN, Loos J, Veenstra SC, et al.
Source: NANO LETTERS Volume: 5 Issue: 4 Pages: 579-583 Published: APR 2005 40
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20. Title: Alternative routes toward high quality CdSe nanocrystals
Author(s): Qu LH, Peng ZA, Peng XG
Source: NANO LETTERS Volume: 1 Issue: 6 Pages: 333-337 Published: JUN 2001 44
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Author(s): Sun YG, Mayers B, Herricks T, et al.
Source: NANO LETTERS Volume: 3 Issue: 7 Pages: 955-960 Published: JUL 2003 52
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22. Title: Gallium nitride nanowire nanodevices
Author(s): Huang Y, Duan XF, Cui Y, et al.
Source: NANO LETTERS Volume: 2 Issue: 2 Pages: 101-104 Published: FEB 2002 65
60 62 57 42 387 43.00

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Author(s): Kirchner C, Liedl T, Kudera S, et al.
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24. Title: Functionalization of carbon nanotubes for biocompatibility and biomolecular recognition
Author(s): Shim M, Kam NWS, Chen RJ, et al.
Source: NANO LETTERS Volume: 2 Issue: 4 Pages: 285-288 Published: APR 2002 51
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Author(s): Tao A, Kim F, Hess C, et al.
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Author(s): Lao JY, Huang JY, Wang DZ, et al.
Source: NANO LETTERS Volume: 3 Issue: 2 Pages: 235-238 Published: FEB 2003 45
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Author(s): Su KH, Wei QH, Zhang X, et al.
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Author(s): Li D, Xia YN

Source: NANO LETTERS Volume: 3 Issue: 4 Pages: 555-560 Published: APR 2003 53
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29. Title: Enhanced photocleavage of water using titania nanotube arrays

Author(s): Mor GK, Shankar K, Paulose M, et al.

Source: NANO LETTERS Volume: 5 Issue: 1 Pages: 191-195 Published: JAN 2005 35
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Author(s): Wu Y, Cui Y, Huynh L, et al.

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conjugated gold nanoparticles in cancer diagnostics: Applications in oral cancer

Author(s): El-Sayed IH, Huang XH, El-Sayed MA

Source: NANO LETTERS Volume: 5 Issue: 5 Pages: 829-834 Published: MAY 2005
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Author(s): Whang D, Jin S, Wu Y, et al.

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Author(s): Burda C, Lou YB, Chen XB, et al.

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34. Title: Electrospinning of polymeric and ceramic nanofibers as uniaxially aligned arrays

Author(s): Li D, Wang YL, Xia YN

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Author(s): Li J, Lu YJ, Ye Q, et al.

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Author(s): Ellingson RJ, Beard MC, Johnson JC, et al.

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Author(s): Greene LE, Law M, Tan DH, et al.

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Author(s): Bjork MT, Ohlsson BJ, Sass T, et al.
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Author(s): Wang X, Zhi LJ, Mullen K
Source: NANO LETTERS Volume: 8 Issue: 1 Pages: 323-327 Published: JAN 2008 0 0
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Author(s): Reiss P, Bleuse J, Pron A
Source: NANO LETTERS Volume: 2 Issue: 7 Pages: 781-784 Published: JUL 2002 41
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Author(s): Sayes CM, Fortner JD, Guo W, et al.
Source: NANO LETTERS Volume: 4 Issue: 10 Pages: 1881-1887 Published: OCT 2004
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through a thermal process
Author(s): Sun YG, Mayers B, Xia YN
Source: NANO LETTERS Volume: 3 Issue: 5 Pages: 675-679 Published: MAY 2003
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nanotubes in aqueous suspension: An empirical Kataura plot
Author(s): Weisman RB, Bachilo SM
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44. Title: Modifying the surface properties of superparamagnetic iron oxide nanoparticles
through a sol-gel approach
Author(s): Lu Y, Yin YD, Mayers BT, et al.
Source: NANO LETTERS Volume: 2 Issue: 3 Pages: 183-186 Published: MAR 2002 34
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Author(s): Zhai L, Cebeci FC, Cohen RE, et al.
Source: NANO LETTERS Volume: 4 Issue: 7 Pages: 1349-1353 Published: JUL 2004
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46. Title: Extraordinary mobility in semiconducting carbon nanotubes
Author(s): Durkop T, Getty SA, Cobas E, et al.
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47. Title: Enhanced charge-collection efficiencies and light scattering in dye-sensitized solar cells using oriented TiO₂ nanotubes arrays
Author(s): Zhu K, Neale NR, Miedaner A, et al.
Source: NANO LETTERS Volume: 7 Issue: 1 Pages: 69-74 Published: JAN 2007 0 21 67 122 96 306 76.50
48. Title: Glucose biosensors based on carbon nanotube nanoelectrode ensembles
Author(s): Lin YH, Lu F, Tu Y, et al.
Source: NANO LETTERS Volume: 4 Issue: 2 Pages: 191-195 Published: FEB 2004 53 54 60 49 41 304 43.43
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Author(s): Park JY, Rosenblatt S, Yaish Y, et al.
Source: NANO LETTERS Volume: 4 Issue: 3 Pages: 517-520 Published: MAR 2004 49 58 52 67 33 301 43.00
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Author(s): Kim YJ, Johnson RC, Hupp JT
Source: NANO LETTERS Volume: 1 Issue: 4 Pages: 165-167 Published: APR 2001 31 38 40 50 41 296 32.89
51. Title: Polyaniline nanofiber gas sensors: Examination of response mechanisms
Author(s): Virji S, Huang JX, Kaner RB, et al.
Source: NANO LETTERS Volume: 4 Issue: 3 Pages: 491-496 Published: MAR 2004 37 51 58 71 50 291 41.57
52. Title: Stabilization of individual carbon nanotubes in aqueous solutions
Author(s): Bandyopadhyaya R, Nativ-Roth E, Regev O, et al.
Source: NANO LETTERS Volume: 2 Issue: 1 Pages: 25-28 Published: JAN 2002 37 45 34 42 40 291 32.33
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Author(s): Kim W, Javey A, Vermesh O, et al.
Source: NANO LETTERS Volume: 3 Issue: 2 Pages: 193-198 Published: FEB 2003 34 34 49 55 49 290 36.25
54. Title: Electronic detection of specific protein binding using nanotube FET devices
Author(s): Star A, Gabriel JCP, Bradley K, et al.
Source: NANO LETTERS Volume: 3 Issue: 4 Pages: 459-463 Published: APR 2003 35 38 50 57 44 289 36.12
55. Title: Novel carbon-doped TiO₂ nanotube arrays with high aspect ratios for efficient solar water splitting
Author(s): Park JH, Kim S, Bard AJ
Source: NANO LETTERS Volume: 6 Issue: 1 Pages: 24-28 Published: JAN 2006 9 44 67 89 75 284 56.80
56. Title: High performance electrolyte gated carbon nanotube transistors
Author(s): Rosenblatt S, Yaish Y, Park J, et al.

Source: NANO LETTERS Volume: 2 Issue: 8 Pages: 869-872 Published: AUG 2002 34
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Author(s): Li D, Xia YN
Source: NANO LETTERS Volume: 4 Issue: 5 Pages: 933-938 Published: MAY 2004
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Author(s): Li J, Ng HT, Cassell A, et al.
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Author(s): Narayanan R, El-Sayed MA
Source: NANO LETTERS Volume: 4 Issue: 7 Pages: 1343-1348 Published: JUL 2004
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Author(s): Xiao XY, Xu BQ, Tao NJ
Source: NANO LETTERS Volume: 4 Issue: 2 Pages: 267-271 Published: FEB 2004 54
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Author(s): Balandin AA, Ghosh S, Bao WZ, et al.
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Author(s): Liu HQ, Kameoka J, Czaplewski DA, et al.
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Author(s): Sun BQ, Marx E, Greenham NC
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Author(s): Sun YG, Mayers BT, Xia YN
Source: NANO LETTERS Volume: 2 Issue: 5 Pages: 481-485 Published: MAY 2002
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Author(s): Pellegrino T, Manna L, Kudera S, et al.

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Author(s): Wang C, Waje M, Wang X, et al.
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Author(s): Norris DJ, Yao N, Charnock FT, et al.
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Author(s): Tseng RJ, Huang JX, Ouyang J, et al.
Source: NANO LETTERS Volume: 5 Issue: 6 Pages: 1077-1080 Published: JUN 2005
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Author(s): Raschke G, Kowarik S, Franzl T, et al.
Source: NANO LETTERS Volume: 3 Issue: 7 Pages: 935-938 Published: JUL 2003 25
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Vapor Deposition
Author(s): Reina A, Jia XT, Ho J, et al.
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Author(s): Fuhrer MS, Kim BM, Durkop T, et al.
Source: NANO LETTERS Volume: 2 Issue: 7 Pages: 755-759 Published: JUL 2002 36
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Author(s): Barone V, Hod O, Scuseria GE
Source: NANO LETTERS Volume: 6 Issue: 12 Pages: 2748-2754 Published: DEC 13
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Author(s): Chen J, Saeki F, Wiley BJ, et al.
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Author(s): Chen SH, Carroll DL
Source: NANO LETTERS Volume: 2 Issue: 9 Pages: 1003-1007 Published: SEP 2002
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Author(s): Nielsch K, Choi J, Schwirn K, et al.
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Author(s): Cai WB, Shin DW, Chen K, et al.
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Author(s): Ng HT, Han J, Yamada T, et al.
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Author(s): Yu H, Chen M, Rice PM, et al.
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Author(s): Stouwdam JW, van Veggel FCJM
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Author(s): Freitag M, Martin Y, Misewich JA, et al.
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Author(s): Pastoriza-Santos I, Liz-Marzan LM
Source: NANO LETTERS Volume: 2 Issue: 8 Pages: 903-905 Published: AUG 2002 40
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Author(s): Hu L, Hecht DS, Gruner G
Source: NANO LETTERS Volume: 4 Issue: 12 Pages: 2513-2517 Published: DEC 2004
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83. Title: Physicochemical properties and cellular toxicity of nanocrystal quantum dots depend on their surface modification
Author(s): Hoshino A, Fujioka K, Oku T, et al.
Source: NANO LETTERS Volume: 4 Issue: 11 Pages: 2163-2169 Published: NOV 2004
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Author(s): Wang DS, He JB, Rosenzweig N, et al.
Source: NANO LETTERS Volume: 4 Issue: 3 Pages: 409-413 Published: MAR 2004 29
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Author(s): Huang WJ, Taylor S, Fu KF, et al.
Source: NANO LETTERS Volume: 2 Issue: 4 Pages: 311-314 Published: APR 2002 27
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Author(s): Wang SP, Mamedova N, Kotov NA, et al.
Source: NANO LETTERS Volume: 2 Issue: 8 Pages: 817-822 Published: AUG 2002 34
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Author(s): Li LS, Hu JT, Yang WD, et al.
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Author(s): Gilje S, Han S, Wang M, et al.
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Author(s): Caswell KK, Bender CM, Murphy CJ
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Author(s): Jiang KY, Eitan A, Schadler LS, et al.
Source: NANO LETTERS Volume: 3 Issue: 3 Pages: 275-277 Published: MAR 2003 33
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Author(s): Gou LF, Murphy CJ
Source: NANO LETTERS Volume: 3 Issue: 2 Pages: 231-234 Published: FEB 2003 28
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Author(s): Yi GS, Lu HC, Zhao SY, et al.
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Author(s): Li Z, Chen Y, Li X, et al.
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Author(s): Graf D, Molitor F, Ensslin K, et al.
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Author(s): Cordente N, Respaud M, Senocq F, et al.
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Author(s): Zhu J, Kim JD, Peng HQ, et al.
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Author(s): Jiang XC, Herricks T, Xia YN
Source: NANO LETTERS Volume: 2 Issue: 12 Pages: 1333-1338 Published: DEC 2002
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Author(s): Hao E, Bailey RC, Schatz GC, et al.
Source: NANO LETTERS Volume: 4 Issue: 2 Pages: 327-330 Published: FEB 2004 38
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Author(s): Gomez-Navarro C, Weitz RT, Bittner AM, et al.
Source: NANO LETTERS Volume: 7 Issue: 11 Pages: 3499-3503 Published: NOV 2007
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Author(s): Wang XY, Drew C, Lee SH, et al.
Source: NANO LETTERS Volume: 2 Issue: 11 Pages: 1273-1275 Published: NOV 2002
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Author(s): Mamedova NN, Kotov NA, Rogach AL, et al.
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Author(s): Nasongkla N, Bey E, Ren JM, et al.
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Author(s): Willard DM, Carillo LL, Jung J, et al.
Source: NANO LETTERS Volume: 1 Issue: 9 Pages: 469-474 Published: SEP 2001 28 30 41 32 21 218 24.22
104. Title: The role of metal-nanotube contact in the performance of carbon nanotube field-effect transistors
Author(s): Chen ZH, Appenzeller J, Knoch J, et al.
Source: NANO LETTERS Volume: 5 Issue: 7 Pages: 1497-1502 Published: JUL 2005 30 43 56 48 38 216 36.00
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Author(s): Xia T, Kovochich M, Brant J, et al.
Source: NANO LETTERS Volume: 6 Issue: 8 Pages: 1794-1807 Published: AUG 9 2006 0 19 59 75 62 215 43.00
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Author(s): Chen ZH, Du X, Du MH, et al.
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Author(s): Haremza JM, Hahn MA, Krauss TD
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Author(s): Radosavljevic M, Freitag M, Thadani KV, et al.
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Author(s): Obare SO, Jana NR, Murphy CJ
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Author(s): Yu CH, Shi L, Yao Z, et al.

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Author(s): Maillard M, Huang PR, Brus L

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Author(s): Knez M, Bittner AM, Boes F, et al.

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Author(s): Chithrani BD, Chan WCW

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Author(s): Manna SK, Sarkar S, Barr J, et al.

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Author(s): Yu LH, Natelson D

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Author(s): Yu AM, Liang ZJ, Cho JH, et al.

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Author(s): Wang DY, Rogach AL, Caruso F

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Author(s): Kim HM, Cho YH, Lee H, et al.

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Author(s): Srituravanich W, Fang N, Sun C, et al.

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Author(s): Cadek M, Coleman JN, Ryan KP, et al.

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Author(s): Duan XF, Huang Y, Lieber CM

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Author(s): Kulakovich O, Strelak N, Yaroshevich A, et al.

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Author(s): Lynch MD, Patrick DL

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Author(s): Durr NJ, Larson T, Smith DK, et al.

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Author(s): Zikalova M, Zikal A, Kavan L, et al.

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Author(s): Fromm DP, Sundaramurthy A, Schuck PJ, et al.

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Author(s): Han WQ, Zettl A

Source: NANO LETTERS Volume: 3 Issue: 5 Pages: 681-683 Published: MAY 2003
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Author(s): Battaglia D, Peng XG

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Author(s): Si Y, Samulski ET

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Author(s): Ghicov A, Macak JM, Tsuchiya H, et al.

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Author(s): Karnik R, Fan R, Yue M, et al.

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Author(s): Gao HJ, Kong Y, Cui DX, et al.

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Author(s): Atay T, Song JH, Nurmikko AV

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Author(s): Wang D, Qian F, Yang C, et al.

Source: NANO LETTERS Volume: 4 Issue: 5 Pages: 871-874 Published: MAY 2004
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Author(s): Wuister SF, Swart I, van Driel F, et al.

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Author(s): Chan EM, Mathies RA, Alivisatos AP

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Author(s): Gardea-Torresdey JL, Parsons JG, Gomez E, et al.

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Author(s): Metraux GS, Cao YC, Jin RC, et al.

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Author(s): Zhang JP, Liu Y, Ke YG, et al.

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Author(s): Spanier JE, Kolpak AM, Urban JJ, et al.

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Author(s): Zhao JL, Bardecker JA, Munro AM, et al.

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Author(s): Barnard AS, Curtiss LA

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Author(s): Zayats M, Baron R, Popov I, et al.
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Author(s): Nehl CL, Grady NK, Goodrich GP, et al.
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Author(s): Lu Q, Moore JM, Huang G, et al.
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Author(s): Chen P, Mitsui T, Farmer DB, et al.
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Author(s): Vestal CR, Zhang ZJ
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Author(s): Hagen A, Hertel T
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Author(s): Saleh OA, Sohn LL
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Author(s): Snaith HJ, Arias AC, Morteanni AC, et al.
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Author(s): Agarwal R, Barrelet CJ, Lieber CM
Source: NANO LETTERS Volume: 5 Issue: 5 Pages: 917-920 Published: MAY 2005
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Author(s): Bunch JS, Yaish Y, Brink M, et al.
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Author(s): Avouris P, Chen ZH, Perebeinos V

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