

1. Perspectives on Carbon Nanotubes and Graphene Raman Spectroscopy

Mildred S. Dresselhaus, Ado Jorio, Mario Hofmann, Gene Dresselhaus, Riichiro Saito

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2. Cyclic Conductance Switching in Networks of Redox-Active Molecular Junctions

Jianhui Liao, Jon S. Agustsson, Songmei Wu, Christian Sch^ünenberger, Michel Calame, Yann Leroux, Marcel Mayor, Olivier Jeannin, Ying-Fen Ran, Shi-Xia Liu, Silvio Decurtins

Nano Letters **2010** 10 (3), 759-764

3. Electrokinetic Concentration of DNA Polymers in Nanofluidic Channels

Derek Stein, Zeno Deurvorst, Frank H. J. van der Heyden, Wiepke J. A. Koopmans, Alan Gabel, Cees Dekker

Nano Letters **2010** 10 (3), 765-772

4. Fabrication of Aligned Magnetic Nanoparticles Using Tobamoviruses

Mime Kobayashi, Munetoshi Seki, Hitoshi Tabata, Yuichiro Watanabe, Ichiro Yamashita

Nano Letters **2010** 10 (3), 773-776

5. Size-Selective Nanoparticle Growth on Few-Layer Graphene Films

Zhengtang Luo, Luke A. Somers, Yaping Dan, Thomas Ly, Nicholas J. Kybert, E. J. Mele, A. T. Charlie Johnson

Nano Letters **2010** 10 (3), 777-781

6. Fifteen-Piconewton Force Detection from Neural Growth Cones Using Nanowire Arrays

Waldemar H^ållstr^öm, Monica Lexholm, Dmitry B. Suyatin, Greger Hammarin, Dan Hessman, Lars Samuelson, Lars Montelius, Martin Kanje, Christelle N. Prinz

Nano Letters **2010** 10 (3), 782-787

7. Fluorescent Structural DNA Nanoballs Functionalized with Phosphate-Linked Nucleotide Triphosphates

Jon P. Anderson, Bambi L. Reynolds, Kristin Baum, John G. Williams

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8. Calcium-Decorated Graphene-Based Nanostructures for Hydrogen Storage

Hoonkyung Lee, Jisoon Ihm, Marvin L. Cohen, Steven G. Louie

Nano Letters **2010** 10 (3), 793-798

9. Capturing the Crystalline Phase of Two-Dimensional Nanocrystal Superlattices in Action

Zhang Jiang, Xiao-Min Lin, Michael Sprung, Suresh Narayanan, Jin Wang

Nano Letters **2010** 10 (3), 799-803

10. Localization of Dirac Electrons in Rotated Graphene Bilayers

G. Trambly de Laissardière, D. Mayou, L. Magaud

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11. Vertical InAs Nanowire Wrap Gate Transistors with $f_t > 7$ GHz and $f_{max} > 20$ GHz

M. Egard, S. Johansson, A.-C. Johansson, K.-M. Persson, A. W. Dey, B. M. Borg, C. Thelander, L.-E. Wernersson, E. Lind

Nano Letters **2010** 10 (3), 809-812

12. Surface Plasmon Polariton Enhanced Fluorescence from Quantum Dots on Nanostructured Metal Surfaces

Ehren Hwang, Igor I. Smolyaninov, Christopher C. Davis

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13. Controlling Diffusion of Lithium in Silicon Nanostructures

Tzu-Liang Chan, James R. Chelikowsky

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14. Light-Induced Local Heating for Thermophoretic Manipulation of DNA in Polymer Micro- and Nanochannels

Lasse H. Thamdrup, Niels B. Larsen, Anders Kristensen

Nano Letters **2010** 10 (3), 826-832

15. Molecular Jigsaw: Pattern Diversity Encoded by Elementary Geometrical Features

C. Rohr, M. Balbás Gamba, K. Gruber, E. C. Constable, E. Frey, T. Franosch, B. A. Hermann

Nano Letters **2010** 10 (3), 833-837

16. Harvesting Waste Thermal Energy Using a Carbon-Nanotube-Based Thermo-Electrochemical Cell

Renchong Hu, Baratunde A. Cola, Nanda Haram, Joseph N. Barisci, Sergey Lee, Stephanie Stoughton, Gordon Wallace, Chee Too, Michael Thomas, Adrian Gestos, Marilou E. dela Cruz, John P. Ferraris, Anvar A. Zakhidov, Ray H. Baughman

Nano Letters **2010** 10 (3), 838-846

17. Temperature Dependence of the Thermal Conductivity of Thin Silicon Nanowires

Davide Donadio, Giulia Galli

Nano Letters **2010** 10 (3), 847-851

18. Ultralow Superharmonic Resonance for Functional Nanowires

David Cohen-Tanugi, Austin Akey, Nan Yao

Nano Letters **2010** 10 (3), 852-859

19. Si/TiSi₂ Heteronanostructures as High-Capacity Anode Material for Li Ion Batteries

Sa Zhou, Xiaohua Liu, Dunwei Wang

Nano Letters **2010** 10 (3), 860-863

20. Wafer-Scale Synthesis of Single-Crystal Zigzag Silicon Nanowire Arrays with Controlled Turning Angles

Huan Chen, Hui Wang, Xiao-Hong Zhang, Chun-Sing Lee, Shuit-Tong Lee

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21. Deformation Potentials and Electron-Phonon Coupling in Silicon Nanowires

F. Murphy-Armando, G. Fagas, J. C. Greer

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22. Composite Au Nanostructures for Fluorescence Studies in Visible Light

V. G. Kravets, G. Zorinants, C. P. Burrows, F. Schedin, A. K. Geim, W. L. Barnes, A. N. Grigorenko

Nano Letters **2010** 10 (3), 874-879

23. Direct Measure of Strain and Electronic Structure in GaAs/GaP Core-Shell Nanowires

Mohammad Montazeri, Melodie Fickenscher, Leigh M. Smith, Howard E. Jackson, Jan Yarrison-Rice, Jung Hyun Kang, Qiang Gao, H. Hoe Tan, Chennupati Jagadish, Yanan Guo, Jin Zou, Mats-Erik Pistol, Craig E. Pryor

Nano Letters **2010** 10 (3), 880-886

24. On-Chip Interferometric Detection of Nanomechanical Motion

Quirin P. Unterreithmeier, Thomas Faust, Stephan Manus, Jörg P. Kotthaus

Nano Letters **2010** 10 (3), 887-890

25. Nanoassembled Plasmonic-Photonic Hybrid Cavity for Tailored Light-Matter Coupling

Michael Barth, Stefan Schietinger, Sabine Fischer, Jan Becker, Nils Nüsse, Thomas Aichele, Bernd Löffel, Carsten Sönrichsen, Oliver Benson

Nano Letters **2010** 10 (3), 891-895

26. Hydrogen Sensing and Sensitivity of Palladium-Decorated Single-Walled Carbon Nanotubes with Defects

Vaikunth R. Khalap, Tatyana Sheps, Alexander A. Kane, Philip G. Collins

Nano Letters **2010** 10 (3), 896-901

27. Two-Dimensional Quasistatic Stationary Short Range Surface Plasmons in Flat Nanoprisms

J. Nelayah, M. Kociak, O. Stéphan, N. Geuquet, L. Henrard, F. J. García de Abajo, I. Pastoriza-Santos, L. M. Liz-Marzán, C. Colliex

Nano Letters **2010** 10 (3), 902-907

28. Phase Perfection in Zinc Blende and Wurtzite III–V Nanowires Using Basic Growth Parameters

Hannah J. Joyce, Jennifer Wong-Leung, Qiang Gao, H. Hoe Tan, Chennupati Jagadish

Nano Letters **2010** 10 (3), 908-915

29. Drude Relaxation Rate in Grained Gold Nanoantennas

Kuo-Ping Chen, Vladimir P. Drachev, Joshua D. Borneman, Alexander V. Kildishev, Vladimir M. Shalaev

Nano Letters **2010** 10 (3), 916-922

30. Effect of Annealing on P3HT:PCBM Charge Transfer and Nanoscale Morphology Probed by Ultrafast Spectroscopy

R. Alex Marsh, Justin M. Hodgkiss, Sebastian Albert-Seifried, Richard H. Friend

Nano Letters **2010** 10 (3), 923-930

31. LSPR Study of the Kinetics of the Liquid–Solid Phase Transition in Sn Nanoparticles

Markus Schwind, Vladimir P. Zhdanov, Igor Zorić, Bengt Kasemo

Nano Letters **2010** 10 (3), 931-936

32. Enhanced Electromodulation of Infrared Transmittance in Semitransparent Films of Large Diameter Semiconducting Single-Walled Carbon Nanotubes

Feihu Wang, Mikhail E. Itkis, Robert C. Haddon

Nano Letters **2010** 10 (3), 937-942

33. Quantum Interference Channeling at Graphene Edges

Heejun Yang, Andrew J. Mayne, Mohamed Boucherit, Geneviève Comtet, Gerald Dujardin, Young Kuk

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34. Ta₃N₅ Nanotube Arrays for Visible Light Water Photoelectrolysis

Xinjian Feng, Thomas J. LaTempa, James I. Basham, Gopal K. Mor, Oommen K. Varghese, Craig A. Grimes

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35. Excess Dissipation in a Single-Electron Box: The Sisyphus Resistance

F. Persson, C. M. Wilson, M. Sandberg, G. Johansson, P. Delsing

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36. Understanding the Sensor Response of Metal-Decorated Carbon Nanotubes

Douglas R. Kauffman, Dan C. Sorescu, Daniel P. Schofield, Brett L. Allen, Kenneth D. Jordan, Alexander Star

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37. Synthesis of Platinum Cubes, Polypods, Cuboctahedrons, and Raspberries Assisted by Cobalt Nanocrystals

Stephanie I. Lim, Isaac Ojea-Jiménez, Miriam Varon, Eudald Casals, Jordi Arbiol, Victor Puntès

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38. High-Performance Single Nanowire Tunnel Diodes

Jesper Wallentin, Johan M. Persson, Jakob B. Wagner, Lars Samuelson, Knut Deppert, Magnus T. Borgström

Nano Letters **2010** 10 (3), 974-979

39. One-Dimensional Hypersonic Phononic Crystals

N. Gomopoulos, D. Maschke, C. Y. Koh, E. L. Thomas, W. Tremel, H.-J. Butt, G. Fytas

Nano Letters **2010** 10 (3), 980-984

40. A Molecular Simulation Probing of Structure and Interaction for Supramolecular Sodium Dodecyl Sulfate/Single-Wall Carbon Nanotube Assemblies

Zhijun Xu, Xiaoning Yang, Zhen Yang

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41. Graphene Synthesis on Cubic SiC/Si Wafers. Perspectives for Mass Production of Graphene-Based Electronic Devices

Victor Yu. Aristov, Grzegorz Urbanik, Kurt Kummer, Denis V. Vyalikh, Olga V. Molodtsova, Alexei B. Preobrajenski, Alexei A. Zakharov, Christian Hess, Torben Hähne, Bernd Büchner, Ivana Vobornik, Jun Fujii, Giancarlo Panaccione, Yuri A. Ossipyan, Martin Knupfer

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42. Mapping Atomic Contact between Pentacene and a Au Surface using Scanning Tunneling Spectroscopy

Young Jae Song, Kyuho Lee, Seong Heon Kim, Byoung-Young Choi, Jaejun Yu, Young Kuk

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43. A Path to Ultranarrow Patterns Using Self-Assembled Lithography

Yeon Sik Jung, J. B. Chang, Eric Verploegen, Karl K. Berggren, C. A. Ross

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44. Trapping and Sensing 10 nm Metal Nanoparticles Using Plasmonic Dipole Antennas

Weihua Zhang, Lina Huang, Christian Santschi, Olivier J. F. Martin

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45. Optical Absorption Enhancement in Silicon Nanohole Arrays for Solar Photovoltaics

Sang Eon Han, Gang Chen

Nano Letters **2010** 10 (3), 1012-1015

46. Programmable Direct-Printing Nanowire Electronic Components

Tae Il Lee, Won Jin Choi, Kyeong Ju Moon, Ji Hyuk Choi, Jyoti Prakash Kar, Sachindra Nath Das, Youn Sang Kim, Hong Koo Baik, Jae Min Myoung

Nano Letters **2010** 10 (3), 1016-1021

47. Tracking a Molecular Motor with a Nanoscale Optical Encoder

Charles E. Wickersham, Kevin J. Cash, Shawn H. Pfeil, Irina Bruck, Daniel L. Kaplan, Kevin W. Plaxco, Everett A. Lipman

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48. Atmospheric Pressure Scanning Transmission Electron Microscopy

Niels de Jonge, Wilbur C. Bigelow, Gabriel M. Veith

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49. One-Step Direct Transfer of Pristine Single-Walled Carbon Nanotubes for Functional Nanoelectronics

Chung Chiang Wu, Chang Hua Liu, Zhaohui Zhong

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50. Measuring Charge Transport in a Thin Solid Film Using Charge Sensing

Kenneth MacLean, Tamar S. Mentzel, Marc A. Kastner

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51. Identification of Descriptors for the CO Interaction with Metal Nanoparticles

Giannis Mpourmpakis, Antonis N. Andriotis, Dionisios G. Vlachos

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52. Self-Aligned Nanoscale SQUID on a Tip

Amit Finkler, Yehonathan Segev, Yuri Myasoedov, Michael L. Rappaport, Lior Ne'eman, Denis Vasyukov, Eli Zeldov, Martin E. Huber, Jens Martin, Amir Yacoby

Nano Letters **2010** 10 (3), 1046-1049

53. Direct Growth of Nanowire Logic Gates and Photovoltaic Devices

Dong Rip Kim, Chi Hwan Lee, Xiaolin Zheng

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54. Icosahedral Crown Gold Nanocluster Au₄₃Cu₁₂ with High Catalytic Activity

Yi Gao, Nan Shao, Yong Pei, Xiao Cheng Zeng

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55. Effect of Charge Trapping on Geminate Recombination and Polymer Solar Cell Performance

Chris Groves, James C. Blakesley, Neil C. Greenham

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56. Electronic Signatures of all Four DNA Nucleosides in a Tunneling Gap

Shuai Chang, Shuo Huang, Jin He, Feng Liang, Peiming Zhang, Shengqing Li, Xiang Chen, Otto Sankey, Stuart Lindsay

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57. Magnetic Doping and Kondo Effect in Bi₂Se₃ Nanoribbons

Judy J. Cha, James R. Williams, Desheng Kong, Stefan Meister, Hailin Peng, Andrew J. Bestwick, Patrick Gallagher, David Goldhaber-Gordon, Yi Cui

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58. Light Trapping in Silicon Nanowire Solar Cells

Erik Garnett, Peidong Yang

Nano Letters **2010** 10 (3), 1082-1087

59. Double-Sided CdS and CdSe Quantum Dot Co-Sensitized ZnO Nanowire Arrays for Photoelectrochemical Hydrogen Generation

Gongming Wang, Xunyu Yang, Fang Qian, Jin Z. Zhang, Yat Li

Nano Letters **2010** 10 (3), 1088-1092

60. Hydrazone Ligation Strategy to Assemble Multifunctional Viral Nanoparticles for Cell Imaging and Tumor Targeting

Florence M. Brunel, John D. Lewis, Giuseppe Destito, Nicole F. Steinmetz, Marianne Manchester, Heidi Stuhlmann, Philip E. Dawson

Nano Letters **2010** 10 (3), 1093-1097

61. Graphene and Nanowire Transistors for Cellular Interfaces and Electrical Recording

Tzahi Cohen-Karni, Quan Qing, Qiang Li, Ying Fang, Charles M. Lieber

