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Mihri Ozkan

Professor of Electrical Engineering & Chemistry CFM

Middle East Technical University, Turkey - B.S. in Metallurgical Engineering (1988)
University of Illinois at Urbana Champaign - M.S. in Metallurgical Engineering (1991)
Stanford University - M.S. in Materials Science & Engineering (1994)
University of California, San Diego - Ph.D. in Electrical & Computer Engineering (2001)

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Research Area: Materials Chemistry
Group Site

Biography

Dr. Mihri Ozkan is currently a Professor in the Department of Electrical Engineering at UC-Riverside with a research focus in nanotechnology and its applications in biology and engineering. Dr. Ozkan is also an active member of the Center for Nanoscale Science and Engineering in UC-Riverside. She received her Ph.D. degree in the Department of Electrical and Computer Engineering at UC-San Diego and her M.S. degree in the Department of Materials Science and Engineering at Stanford University. She has over four years of industrial experience including at Applied Materials, Analog Devices and at IBM Almaden Research Center. Her highly interdisciplinary background including materials science, electrical engineering and bioengineering training supports well her recent multidisciplinary research activities with development of new nanofabrication methods for future electronics and for hybrid organic-inorganic solar devices, and investigations of “smart” nanoparticles for cancer therapeutics. Dr. Ozkan is the recipient of number of awards including Army’s Young Investigator Award (2006), Distinguished Engineering Educator of the Year Award by the National Engineers’ Council (2006), Regents Faculty Excellence Award (2006, 2004, 2002), Emerging Scholar Award by the American Association of University Women (2005), Invited participant to the National Academy’s Keck Future Initiatives Conference (2005), Visionary Science Award by the BioMEMS and Biomedical Nanotechnology Conference (2003),and “Achievement in Technical Ingenuity” Award by the Inland Empire Economic Partnership (2003). She is an active board member and treasurer in the International Society for BioMEMS and Biomedical Nanotechnology. Her editorial activities include the Journal of Sensors and Actuators B and the Journal of Biomedical Microdevices. She is the principal editor of the book titled “Micro-Nano Technologies for Genomics and Proteomics” by Springer. She has more than ninety publications in journal paper, conference proceedings and book chapter format. She also holds more than twenty five patent disclosures and about eight US-patents.

Research Area

Dr. Mihri Ozkan’s research interests are the application of nanotechnology both in electronics and bioengineering fields. Her current active research areas can be categorized as:

- Molecular electronics and non-Si based electronics
- Bionanotechnology for cancer treatment and imaging
- Hybrid electronic and optoelectronic devices including photovoltaics.

Awards

- “2006 Referee of the Year” by the Journal of Biomedical Microdevices (2007)
- Army’s “Young Investigator Award” (2006)
- “Distinguished Engineering Educator of the Year Award” by the National Engineers’ Council (2006)
- Regents Faculty Excellence Award (2006)
- Nationwide Award of “2005 Emerging Scholar” by the American Association of University Women
- Participant to the National Academy’s Keck Future Initiatives Conference by invitation from the National Academy (2005)

Regents Faculty Excellence Award (2004)

- “Frontier Research” by the Virtual Journal of Nanoscale Science and Technology edited by Dr. David Awschalom (2004)
- Invited Speaker at the “National Engineers Week” Feb. (2004)
- Visionary Science Award : BioMEMS and Biomedical Nanotechnology Conference (2003)
- By invitation a US-team member in US-Japan Nanotechnology in Advanced Therapy and Diagnosis Symposium, Yokohama Japan (2003)
- “Achievement in Technical Ingenuity” Award : Inland Empire Economic Partnership (2003)
- "Research Leadership Recognition Award" from CORE21 (2003)
- Travel Award from Association for Lab Automation (2003)
- Regents Faculty Excellence Award, Riverside (2002)
- Academic Senate Faculty Excellence Award, Riverside (2002)
- Invited Research Fellow, Max Planck Institute, Stuttgart, Germany (2002)
- Best Research Poster in Bioengineering: Jacobs School of Engineering, San Diego (2002)
- Grand Research Poster Award: Jacobs School of Engineering, San Diego (2002)
- Who’s Who in Science and Engineering (2002, 2003)
- Graduate Student Award: Jacobs School of Engineering , San Diego (2001)
- Jacobs School of Engineering Best Poster Award, San Diego (2001)
- Graduate Student Award: Bio Medical Engineering Society, Seattle, WA (2000)
- Biomaterials Session Graduate Student Novel Research Award: Materials Research Society, Boston (2000)
- Graduate Student Silver Award: Materials Research Society, Boston (Fall 1999)
- DARPA’s HOTC and CHIPS centers Fellow, San Diego, (1999-2001)
- Jacobs School of Engineering Best Poster Award, San Diego, (1998)
- University of California Regents Fellow, San Diego, (1997- 1999)
- Stanford University Fellow through Federal Work-Study, Stanford, (1993-94)
- Research Assistantship from University of Illinois at Urbana-Champaign, Urbana, (1990)

Selected Publications

- B.Shao. LZ. Shi, JM.Nascimento, EL. Botvinick, M.Ozkan, MW.Berns, SC. Esener, “ High-throughput sorting and analysis of human sperm with a ring-shaped laser trap”, Biomd Microdevices (2007)
- X. Wang, F. Liu, G. T. S. Andavan, X. Jing, K. Singh, V. R. Yazdanpanah, N. Bruque, R.R. Pandey, R. Lake, M. Ozkan, K. L. Wang, and C. S. Ozkan, “Carbon Nanotube-DNA Nanoarchitectures and Electronic Functionality”, Small (2006), 2, No. 11, 1356-1365
- K. Singh, R. Pandey, X. Wang, R. Lake, C. Ozkan, K. Wang, M. Ozkan, "SWNT-PNA-SWNT Conjugates: Synthesis, Characterization and Modeling," October, Carbon 44 (2006) 1730-1739. Impact factor: 3.331
- L. Hu, X. Zhang, P. Miller, M.Ozkan, C.Ozkan, and J.Wang, “Cell adhesion measurement by laser-induced stress waves”, JOURNAL OF APPLIED PHYSICS 100, 084701 (2006)
- OF Yilmaz, S. Chaudhary and M. Ozkan, “A hybrid organic-inorganic electrode for enhanced charge injection or collection in organic optoelectronic devices”, Nanotechnology 17 (2006) 3662-3667
- K.Galatsis, K.Wang, Y.Botros, Y.Yang, YH, Xie, JF.Stoddart, RB. Kaner, C.ozkan, J.Liu, M.Ozkan, C.Zhou and KW.Kim, “Emerging memory devices: Nontraditional possibilities based on nanomaterials and nanostructures”, IEEE Circuits and Devices Magazine May/June (2006)
- S Chaudhary, J H Kim, and M Ozkan, “Controlled Electron-Beam-Induced Large-Scale Alignment of Carbon Nanotubes at Metal Electrodes”, Journal of Nanoelectronics and Optoelectronics, Vol.1, 1-3, (2006) (Published as the Cover Article)
- B Shao, S. Esener, JM Nascimento, MW Berns, EL Botvinick, M.Ozkan, “Size tunable three-dimensional annular laser trap based on axicons”, Optics Letters, November 15, (2006) / Vol. 31, No. 22
- NA. Bruque, K. Alam, RR Pandey, R Lake, JP Lewis, X Wang, F Liu, C Ozkan, M. Ozkan, K Wang, “Self-Assembled Carbon Nanotubes for Electronic Circuit and Device Applications”, Journal of Nanoelectronics and Optoelectronics, Volume 1, Number 1, April (2006), pp. 74-81(8)
- X. Wang, R. Pandey, K.V. Singh, C. Tsai, R. Lake, M. Ozkan, C.S. Ozkan, "Synthesis and characterization of peptide nucleic acid-platinum complexes," Nanotechnology 17 (2006) 1-7. Impact factor: 3.322
- Y. Bongyoung, R. Hendricks, M. Ozkan, N. Myung, "Three-Dimensional Alumina," Electrochimica Acta 51 (2006) 3543-3550. Impact Factor: 2.341
- N.G. Portney, G. Destito, M. Manchester, M. Ozkan, "Hybrid Assembly of CPMV Viruses and Surface Characteristics of Different Mutants," August, current topics in microbiology and immunology, 29 mp, 2006 (in press) Impact factor: 4.009 (Invited Contribution)
- N.G. Portney, M. Ozkan, “Nano-oncology: Drug Delivery, Imaging, and Sensing" Anal Bioanal Chem (2006) 384: 620-630 Impact Factor: 2.098 (Invited Contribution)
- B. Shao, S. Zlatanovic, M. Ozkan, A. Birkbeck and S. Esener, “Manipulation of microspheres and biological cells with multiple agile VCSEL traps", Sensors and Actuators B 113 (2006) 866-874 Impact Factor: 2.39

- S. Ravindran, C. Tsai, K.V. Singh, S. Andavan G.T., Y. Gao, M. Ozkan, E. Hu, C.S.Ozkan, "Nano-patterned liquid metal electrode for the synthesis of novel prussian blue nanotubes and nanowires," Nanotechnology 17 (2006) 714-718. Impact factor: 3.322
- S. Prasad, E. Tuncel, M. Ozkan, "Association of Different Prediction Methods for Determination of the Efficiency and Selectivity on Neuron Based Sensors," Biosensors and Bioelectronics 21 (2006) 1045-1058. Impact factor: 3.251
- R.A. Flynn, B. Shao, M. Chachisvilis, M. Ozkan, S.C. Esener, "Counter-propagating optical trapping system for size and refractive index measurement of microparticles," Biosensors and Bioelectronics 21 (2006) 1029-1036. Impact Factor: 3.251
- A. Birkbeck, X. Zlatanovic, S. Esener, M. Ozkan, "Laser-tweezer-controlled solid immersion microscopy in microfluidic systems," Optics Letters, 30, 20, 2712-2714, (2005). Impact Factor: 3.882
- R.A. Flynn, B. Shao, M. Chachisvilis, M.Ozkan, S.C. Esener, "Two-beam Optical Traps: Refractive Index and Size Measurements of Microscale Objects," Biomedical Microdevices 7:2, 93-97, (2005) Impact Factor: 2.7
- N. G. Portney, K. Singh, S. Chaudhary, G. Destito, A. Schneemann, M. Manchester, M. Ozkan, "Organic and Inorganic Nanoparticle Hybrids," Langmuir (2005), 21, 2098-2103. Impact Factor: 3.295
- X.Zhang, S. Prasad, S. Niyogi, A. Morgan, M. Ozkan,C.S. Ozkan, "Guided Neurite Growth on Patterned Carbon Nanotube Substrates," Sensors and Actuators B 106 (2005) 843-850. Impact Factor: 2.39
- M.Ozkan, "Quantum dots and other nanoparticles: What they can offer to drug discovery?," Drug Discovery Today, 9, 24, 1065-1071, 2004 Impact Factor: 6.928 (Invited Contribution)
- S. Chaudhary, J. H. Kim, K. V. Singh and M. Ozkan, "Optical Microscopy Visualization of Single- walled Carbon Nanotubes Using Fluorescent Nanocrystals," NANO LETTERS (2004) Vol. 4, No. 12 2415-2419. Impact Factor: 9.4
- S. Prasad, X. Zhang, C. Ozkan and M. Ozkan, "Neuron Based Microarray Sensors for Environmental Sensing," Electrophoresis 2004, 25, 3746-3760. Impact factor: 4.04
- J. Kim, J. Stephens, D. Morikis, M. Ozkan, "Hybrid inorganic-organic molecular beacons," Sensor Letters, 2, 2, 85-90, 2004. (Published as the Cover Article)
- J. Kim, D. Morikis, M. Ozkan, "Adaptation of Inorganic Quantum Dots for Stable Molecular Beacons," Sensors and Actuators B 102 (2004) 315-319. Impact Factor: 2.39
- S. Prasad, X. Zhang, M. Yang, C.S. Ozkan, M. Ozkan, "Neuron as sensors: Individual and cascaded chemical sensing," Biosensors and Bioelectronics 19 (2004) 1599-1610. Impact factor: 2.947
- S. Prasad, X. Zhang, M. Yang, Y. Ni, V. Parpura, C.S. Ozkan, M. Ozkan, "Separation of individual neurons using dielectrophoretic alternative current fields," Journal of Neuroscience Methods 135 (2004) 79-88. Impact factor: 1.889
- S. Chaudhary, W.C. W. Chan, M. Ozkan, "Trilayer Hybrid Polymer-Quantum Dot light Emitting Display," Applied Physics Letters, 84, 15, 2925-2927, 2004 Impact Factor: 4.308
- M. Yang, S. Prasad, X. Zhang, M. Ozkan, C.S. Ozkan, "Cascaded chemical sensing using a single cell as a sensor," Sensors Letters, 2, (1), pp. 1 - 8, 2004. (Invited Contribution)
- T. Girke, M. Ozkan, D. Carter and N. Raikhel, "Towards a modeling infrastructure for studying plant cells," Plant Physiology, 132, 410-414, 2003. Impact factor: 5.8
- M. Ozkan, T. Pisanic, J.Sheel, C.Barrow, S. Esener and S.Bhatia, "Electro-Optical Platform for the Manipulation of Live Cells," Special issue on the biomolecular Interface, Langmuir, 19, (5), 1532-1538, 2003. Impact Factor: 3.295
- M. Yang, S. Prasad, X. Zhang, M. Ozkan, C.S. Ozkan, "Single osteoblast-based biosensor and signature pattern analysis," Sensors and Materials, 15, (6), 001-000 MYU Tokyo, 2003 (Invited Contribution)
- S. Prasad, X. Zhang, M. Yang, C.S. Ozkan, M. Ozkan, "Patterned live-neural networks by induced electrical fields for bio-sensing," Journal of Association for Lab Automation, 8.2, 81-85, 2003. Impact factor: 3.0 (Published as the Cover Article)
- S. Prasad, X. Zhang, M. Yang, C.S. Ozkan, M. Ozkan, "Electric Field Assisted patterning of Neuronal Networks for the Study of Brain Functions," Journal of Biomedical Devices, 5.2, 127-139, 2003. Impact factor: 2.7
- S. Ravindran, S. Chaudhary, B. Colburn, M. Ozkan, C.S. Ozkan, "Covalent coupling of quantum dots to multiwalled carbon nanotubes for electronic device applications," Nano Letters, 3, (4), 447-453, 2003 Impact factor: 8.449
- A.L. Birkbeck, R.A. Flynn, M. Ozkan, D. Song, M. Gross, S.C. Esener, "VCSEL arrays as micromanipulators in chip-based biosystem," J of Biomedical Microdevices, 5:1, 61-67, 2003 Impact factor: 2.7
- M. Ozkan, M. Wang, C.Ozkan, R.A. Flynn, S. Esener, "Optical manipulation of objects and biological cells in microfluidic devices," J of Biomedical Microdevices, 5:1, 47-54, 2003. Impact factor: 2.7
- M. Ozkan, S. Bhatia, S. Esener, "Optical addressing of polymer beads in microdevices," Sensors and Materials, 14, 4, p189-97, 2002. (Invited Contribution)
- R. Flynn, A. Birkbeck, M. Gross, M. Ozkan, B. Shao, M. M. Wang, S. C. Esener, "Parallel transport of biological cells using individually addressable VSCEL arrays as optical tweezers," Sensors and Actuators B, vol 87, issue 2, 239-243, 2002. Impact Factor: 2.39
- M. Ozkan, C.S. Ozkan, O. Kibar, M.M. Wang, S.N. Bhatia, S. Esener, "Heterogeneous Integration through Electrokinetic Migration," IEEE Journal of EMB, 20, 6, 144-151, 2001. Impact factor: 0.968
- M. Ozkan, C.Ozkan, O.Kibar, S. Esener, "Massively parallel low-cost pick-and-place of optoelectronic devices by electrochemical fluidic processing," Optics Letters, 25, 17, pp.1285-1287, 2000 Impact factor: 3.882

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Welcome

Welcome to my lab's webpage!

I am "Climate Action Champion Professor". I am committed to green energy technologies and to sustainable systems. Partnerships on green energy, sustainable manufacturing, and zero emission vehicles to develop, apply and disseminate knowledge, test theories and address economic, social, educational, environmental and technological issues are my main objectives. My specific goals as Climate Champion are: increasing revenue for

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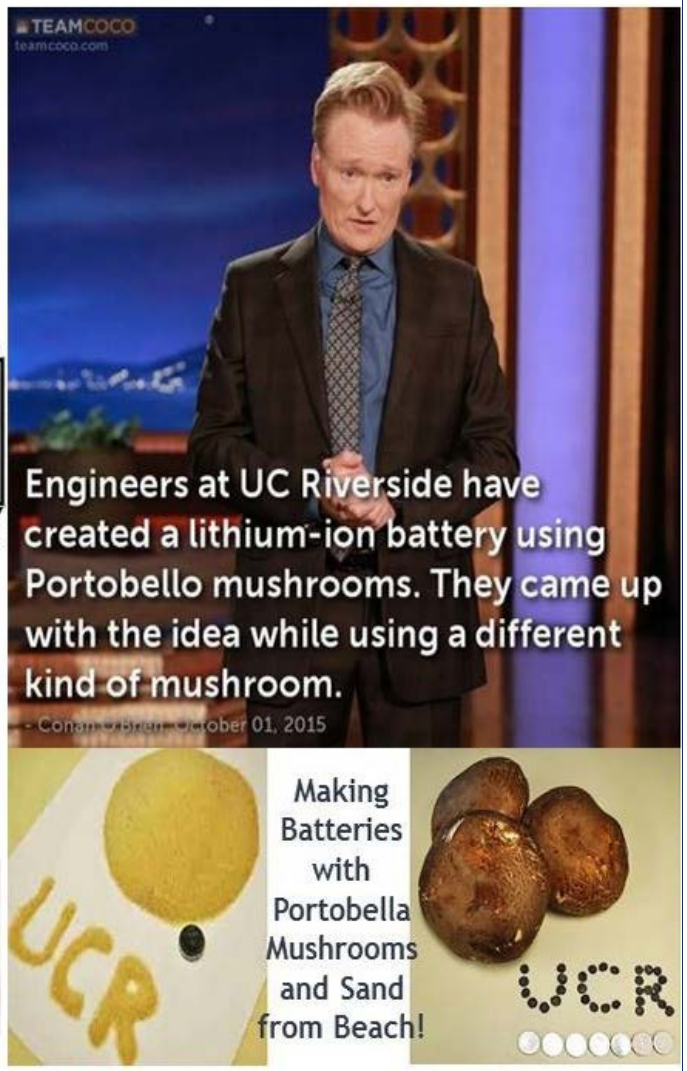
Beach Sand Used To Make A Battery That Lasts Three Times Longer

Charge your phone with that white stuff from the beach

By Douglas Main Posted 07.11.2014 at 3:30 pm

Beach sand, on the left, and purified sand in the middle. The right image shows vials of the former two, and a third made up of nano-silicon used to make the battery. *Scientific Reports*



community-based or applied green energy research projects; achieving national recognition as a community-engaged research university engaged in campus projects related to "green energy" and "sustainability"; improving local community relationships through increased responsiveness to requests for partnerships.

My lab's most recent research activities are focused on the development of industrial scale advanced energy storage devices such as batteries and supercapacitors for zero emission vehicles and wearable technologies. My research group's materials portfolio includes 2D Van der Waal materials (graphene, BN, MoS2, WS2), nanoparticles, nanofabrics, nanowires, bioinspired hybrids and porous materials.

I am the recipient of many National Awards including the National Medal for Engineering Science Young Investigator award from the Society of Engineering Science, the Frontiers of Engineering Honor by the National Academy of Engineering, the Distinguished Engineering Educator of the Year Award by the National Engineers Council and the Emerging Scholar Award by the American Association of University Women. My lab has more than two hundred publications, more than fifty patent disclosures and eight US patents. I graduated 60 PhD students serving as their advisor or co-advisor. I

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2014-2015

Wei Wang, Shirui Guo, Ilkeun Lee, Kazi Ahmed, Jiebin Zhong, Zachary Favors, Francisco Zaera, Mihrimah Ozkan, Cengiz S. Ozkan, â€œHydrous Ruthenium Oxide Nanoparticles Anchored to Graphene and Carbon Nanotube Hybrid Foam for Supercapacitorsâ€ , Scientific Reports 4, Article number: 4452, doi:10.1038/srep04452, 25 March 2014.

Zachary Favors, Wei Wang, Hamed Hosseini Bay, Aaron George, Mihrimah Ozkan, Cengiz S. Ozkan, â€œStable Cycling of SiO2 Nanotubes as High-Performance Anodes for Lithium-Ion Batteriesâ€ , Scientific Reports 4, Article number: 4605, doi:10.1038/srep04605, 15 April 2014.

Wei Wang, Isaac Ruiz, Kazi Ahmed, Hamed Hosseini Bay, Aaron S. George, Johnny Wang, John Butler, Mihrimah Ozkan and Cengiz S. Ozkan, â€œSilicon Decorated Cone Shaped Carbon Nanotube Clusters for Lithium Ion Battery Anodesâ€ , Small, April 19, 2014, DOI: 10.1002/smll.201400088.

Ionescu, R. ; Wang, W. ; Chai, Y. ; Mutlu, Z. ; Ruiz, I. ; Favors, Z. ; Wickramaratne, D. ; Neupane, M. ; Zavala, L. ; Lake, R. ; Ozkan, M. ; Ozkan, C., â€œSynthesis of Atomically Thin MoS2 Triangles and Hexagrams and their Electrical Transport Propertiesâ€ , IEEE Transactions on Nanotechnology, DOI: 10.1109/TNANO.2014.2319081, 2014.

**Zachary Favors, Wei Wang, Hamed Hosseini Bay, Zafer Mutlu, Kazi Ahmed, Chueh Liu,
Mihrimah Ozkan, Cengiz S. Ozkan, â€œScalable Synthesis of Nano-Silicon from Beach Sand for Long Cycle Life Li-ion Batteriesâ€ , Scientific Reports 4, Article number: 5623, doi:10.1038/srep05623**

Wei Wang, Shirui Guo, Ilkeun Lee, Kazi Ahmed, Jiebin Zhong, Zachary Favors, Francisco Zaera, Mihrimah Ozkan, Cengiz S. Ozkan, â€œHydrous Ruthenium Oxide Nanoparticles Anchored to Graphene and Carbon Nanotube Hybrid Foam for Supercapacitorsâ€ , Scientific Reports 4, Article number: 4452, doi:10.1038/srep04452

Zachary Favors, Wei Wang, Hamed Hosseini Bay, Aaron George, Mihrimah Ozkan , Cengiz S. Ozkan, â€œStable Cycling of SiO2 Nanotubes as High-Performance Anodes for Lithium-Ion Batteriesâ€ , Scientific Reports 4, Article number: 4605, doi:10.1038/srep04605

B. Campbell, R. Ionescu, Z. Favors, C. S. Ozkan & M. Ozkan, “Bio-Derived, Binderless, Hierarchically Porous Carbon Anodes for Li-ion Batteries”, Scientific Reports 5, Article number: 14575 (2015), doi:10.1038/srep14575

Bell, J., Ye, R., Ahmed, K., Liu, C., Ozkan, M., & Ozkan, C. S. (2015). Free-standing Ni–NiO nanofiber cloth anode for high capacity and high rate Li-ion batteries. Nano Energy. http://dx.doi.org/10.1016/j.nanoen.2015.09.013

2013-2014

Wei Wang, Shirui Guo, Miroslav Penchev, Isaac Ruiz, Krassimir N. Bozhilov, Dong Yan, Mihrimah Ozkan, Cengiz S. Ozkan, â€œThree dimensional few layer graphene and carbon nanotube foam architectures for high fidelity supercapacitorsâ€ , Nano Energy, Volume 2, Issue 2, Pages 294â€“303,http://dx.doi.org/10.1016/j.nanoen.2012.10.001, 2013.

Shirui Guo, Wei Wang, Cengiz S. Ozkan, Mihri Ozkan, â€œAssembled graphene oxide and single-walled carbon nanotube ink for stable supercapacitorsâ€ , Journal of Materials Research, Volume 28, Issue 07, 2013, pp 918-926, DOI: http://dx.doi.org/10.1557/jmr.2012.421, 2013.

Maziar Ghazinejad, Shirui Guo, Wei Wang, Mihrimah Ozkan, Cengiz S. Ozkan, â€œSynchronous chemical vapor deposition of large-area hybrid grapheneâ€“carbon nanotube architecturesâ€ , Journal of Materials Research, Volume 28, Issue 07, 2013, pp 958-968, DOI: http://dx.doi.org/10.1557/jmr.2012.413, 2013.

Wei Wang, Shirui Guo, Mihrimah Ozkan, Cengiz S. Ozkan, â€œChrysanthemum like carbon nanofiber foam architectures for supercapacitorsâ€ , Journal of Materials Research, Volume 28, Issue 07, pp 912-917, DOI: http://dx.doi.org/10.1557/jmr.2012.412, 2013.

Cengiz S. Ozkan, Markus Buehler, Nicola Pugno, Kang Wang, â€œDe Novo Carbon Nanomaterials: Opportunities and Challenges in a Flat Worldâ€ , Journal of Materials Research, Volume 28, Issue 07, pp 909-911, DOI: http://dx.doi.org/10.1557/jmr.2013.14, 2013

Dennis Pleskot, Zafer Mutlu, Jeffrey Bell, Isaac Ruiz, Mihrimah Ozkan, and Cengiz S. Ozkan, â€œInch-Scale High Throughput Metrology of Graphene and Patterned Graphene Oxideâ€ , Nano Communications, in press, September 20, 2013.

Hayri Engin Akin, Dalibor Hodko, Cengiz Sinan Ozkan, Mihri Ozkan, â€œAccelerated DNA Computing for Solving Satisfiability Problemsâ€ , Nano Communications, in press, 2013.

Shirui Guo,Duoduo Bao, Srigokul Upadhyayula, Wei Wang, Ali B. Guvenc, Jennifer R. Kyle, Hamed Hosseinibay, Krassimir N. Bozhilov, Valentine I. Vullev, Mihrimah Ozkan, Cengiz S. Ozkan, â€œPhotoinduced Electron Transfer between Pyridine Coated Cadmium Selenide Quantum Dots and Single Sheet Grapheneâ€ , Advanced Functional Materials, published on line, May 6, DOI: 10.1002/adfm.201203652, 2013.

Wei Wang, Shirui Guo, Krassimir N. Bozhilov, Dong Yan, Mihrimah Ozkan, Cengiz S. Ozkan, â€œIntertwined Nanocarbon and Manganese Oxide Hybrid Foam for High Energy Supercapacitorsâ€ , Small, May 6, DOI: 10.1002/smll.201300326, 2013.

2012-2013

Jian Lin, Jiebin Zhong, Duoduo Bao, Jennifer Reiber-Kyle, Wei Wang, Valentine Vullev, Mihrimah Ozkan, Cengiz S. Ozkan, â€œSupercapacitors based on Pillared Graphene Nanostructuresâ€ , Journal of Nanoscience and Nanotechnology, 2012 March;12(3):1770-5.

A. B. Guvenc, M. Penchev, Jiebin Zhong, C.S. Ozkan, M. Ozkan, â€œCharge Carrier Transport and Digital Data Transmission Performance in Sub-20nm Diameter Indium Antimonide Nanowiresâ€ , Journal of Nanoscience and Nanotechnology, 2012 March; 12(3):2278-86.

**Wenxue Ma, Mingshui Chen, Sharmeela Kaushal, Michele McElroy, Yu Zhang, Cengiz Ozkan, Michael Bouvet, Boris Minev, â€œPLGA Nanoparticle-mediated delivery of tumor antigenic
peptide elicits effective immune responsesâ€ , International Journal of Nanomedicine, 2012; 7:1475-87, doi: 10.2147/IJN.S29506. Epub 2012, Mar 15.**

Shirui Guo, Maziar Ghazinejad, Xiangdong Qin, Huaxing Sun, Wei Wang, Francisco Zaera, Mihrimah Ozkan, and Cengiz S. Ozkan, â€œTuning Electron Transport in Graphene-Based Field-Effect Devices using Block Co-polymersâ€ , Small, 2012 Apr 10; 8(7):1073-80. doi: 10.1002/smll.201101611. Epub 2012, Feb 14.

Yu Zhang, Jennifer Reiber Kyle, Miro Penchev, Vahid Yazdanpanah, Jinjiang Yu, Yi Li, Mo Yang, Gurer Budak, Ekmel Ozbay, Mihrimah Ozkan, Cengiz S. Ozkan, â€œTransmission Near-Field Scanning Optical Microscopy Investigation on Cellular Uptake Behavior of Iron Oxide Nanoparticlesâ€ , BioNanoScience, September 2012, Volume 2, Issue 3, pp 135-143.

Wei Wang, Shirui Guo, Miroslav Penchev, , Jiebin Zhong, Jian Lin, Duoduo Bao, Valentine Vullev, Mihrimah Ozkan, and Cengiz S. Ozkan, Hybrid Low Resistance Ultracapacitor Electrodes Based on 1-Pyrenebutyric Acid Functionalized Centimeter-Scale Graphene Sheetsâ€ , Journal of Nanoscience and Nanotechnology, 2012 Sep;12(9):6913-20

Maziar Ghazinejad, Jennifer Reiber Kyle, Shirui Guo, Dennis Pleskot, Duoduo Bao, Valentine I. Vullev, Mihrimah Ozkan, and Cengiz S. Ozkan, â€œNon-invasive High-throughput Metrology of Functionalized Graphene Sheetsâ€ , Advanced Functional Materials, Volume 22, Issue 21, pages 4519â€“4525, November 7, 2012.

2011-2012

Wenxue Ma, Trevor Smith, Vladimir Bogin, Yu Zhang, Cengiz Ozkan, Mihri Ozkan, Melanie Hayden, Stephanie Schroter, Ewa Carrier, Davorka Messmer, Vipin Kumar and Boris Minev, â€œEnhanced presentation of MHC class Ia, Ib and class II-restricted peptides encapsulated in biodegradable nanoparticles: a promising strategy for tumor immunotherapyâ€ , Journal of Translational Medicine, 2011; 9(34), 2011, doi: 10.1186/1479-5876-9-34

Emre Yengel, Ali B. Guvenc, Shirui Guo, H. Engin Akin, Mihri Ozkan, Cengiz S. Ozkan, â€œMetalized DNA Electrodes for Improved Hole Collection Efficiency in Polymer Heterojunction Solar Cellsâ€ , Journal of Nanoelectronics and Optoelectronics, Volume 6, Number 2, June 2011 , pp. 121-126(6)

Christina O. Baker, Ricky J. Tseng, Alfredo A. Martinez-Morales, Brian Shedd, Cengiz S. Ozkan, Mihri Ozkan, Yang Yang, Richard B. Kaner, â€œSize Control of Gold Nanoparticles Grown on Polyaniline Nanofibers for Bistable Memory Devicesâ€ , ACS Nano, DOI: 10.1021/nn200992w, 2011, 5 (5), pp 3469â€“3474.

Jennifer Reiber Kyle, Ali Guvenc, Wei Wang, Maziar Ghazinejad, Jian Lin, Shirui Guo, Cengiz S. Ozkan, Mihrimah Ozkan, â€œCentimeter-Scale High Resolution Metrology of Entire CVD Grown Graphene Sheetsâ€ , Small, 2011, September 19 ;7(18):2598-606.

S Upadhyayula, D Bao, B Millare, S S Sylvia, K M Masum Habib, K Ashraf, A Ferreira, S Bishop, Robert Bonderer, Samih Baqai, Xiaoye Jing, Miroslav Penchev, Mihrimah Ozkan, Cengiz S. Ozkan, Roger K. Lake, and Valentine I.Vullev, â€œPermanent Electric Dipole Moments of Carboxyamides in Condensed Media: What Are the Limitations of Theory and Experiment?â€ , The Journal of Physical Chemistry B, 115 (30), 9473-9490 (2011).

Jian Lin, Jiebin Zhong, Jennifer Reiber Kyle, Miroslav Penchev, Mihri Ozkan, Cengiz Ozkan, Molecular absorption and photodesorption in pristine and functionalized large-area graphene layers, Nanotechnology, 22 (2011) 355701 (6pp) doi:10.1088/0957-4484/22/35/355701

2010-2011

Mario Olmedo, Alfredo A. Martinez-Morales, Gang Liu, Emre Yengel, Cengiz S. Ozkan, Chun Ning Lau, Mihrimah Ozkan, and Jianlin Liu, â€œStudy of the Effects of Growth Temperature and Time on the Alignment of Si Quantum Dots on Hafnium Oxide Coated Single Wall Carbon Nanotubesâ€ , Thin Solid Films, Volume 518, Issue 6, S35-S37, 2010.

Rajat Kanti Paul, Miroslav Penchev, Maziar Ghazinejad, Mihri Ozkan, Jiebin Zhong, Emre Yengel and Cengiz Ozkan, â€œChemical vapor deposition and electrical characterization of sub-10 nm diameter InSb nanowires and field-effect transistorsâ€ , Materials Chemistry and Physics, Volume 121, Issue 3, 1 June 2010, Pages 397-401, 10.1016/j.matchemphys.2010.01.056.

Jian Lin, Desalegne Teweldebrhan, Khalid Ashraf, Guanxiong Liu, Xiaoye Jing, Zhong Yan, Rong Li,Mihri Ozkan, Roger K. Lake, Alexander A. Balandin, Cengiz S. Ozkan, â€œGating of Single-Layer Graphene with Single-Stranded Deoxyribonucleic Acidsâ€ , Small, Volume 6, Issue 10, pages 1150â€“1155, May 21, 2010, DOI: 10.1002/smll.200902379

C. Clawson, C-T Huang, D. Seible, R. Saenz, D. Futulan, M. Larsson, W. Ma, B. Minev, Y. Zhang, M. Ozkan, C.S. Ozkan, S. Esener, and D. Messmer, â

€œDelivery of a peptide via poly(D,L-lactic-co-glycolic) acid nanoparticles enhances its dendritic cellâ€“stimulatory capacityâ€ , Nanomedicine: Nanotechnology, Biology and Medicine, 6, 5, (2010) 651â€“661, DOI: 10.1016/j.nano.2010.03.001.

Ali Bilge Guvenc, Emre Yengel, Guoping Wang, Cengiz S. Ozkan, and Mihrimah Ozkan, â€œEffect of incident light power on Schottky barriers and I-V characteristics of organic bulk heterojunction photodiodesâ€ , Appl. Phys. Lett., In Press, 96, 14, Article Number: 143301 DOI: 10.1063/1.3374402, 2010.

Hayri Engin AKIN, Dundar KARABAY, Emre YENGEL, Jennifer Reiber KYLE, Allen P. MILLS, Cengiz Sinan OZKAN, Mihri OZKAN, â€œElectronic Microarrays in DNA Computingâ€ , Journal of Nanoscience and Nanotechnology, 11, 4717-4723 (2011).

Rajat Kanti Paul, Maziar Ghazinejad, Miroslav Penchev, Jian Lin, Mihrimah Ozkan, Cengiz Sinan Ozkan, â€œSynthesis of pillared graphene nanostructure: a counterpart of three dimensional carbon architectureâ€ , Small, Vol:6, Issue:20, Pages:2309-2313, DOI: 10.1002/smll.201000525, 2010.

Jian Lin, Miroslav Penchev, Rajat K Paul, Jiebin Zhong, Mihri Ozkan, C.S. Ozkan, 'Heterogeneous Graphene Nanostructures (HGN): ZnO Nanostructures Grown on Large Area Graphene Layers', 19 pages, Small, Volume: 6 Issue: 21 Pages: 2448-2452 DOI: 10.1002/smll.201000250, 2010.

Shirui Guo, Jian Lin, Miroslav Penchev, Emre Yengel, Maziar Ghazinejad, Cengiz S. Ozkan, Mihrimah Ozkan, â€œLabel Free DNA Detection using Large Area Graphene Based FET Biosensorsâ€ , Journal of Nanoscience and Nanotechnology, 11, 5258-5263 (2011)

A. B. Guvenc, J. Lin, M. Penchev, M. Ozkan, C.S. Ozkan, â€œData Transmission Performance of Few Layer Graphene Ribbon Interconnectsâ€ , Journal of Nanoscience and Nanotechnology, Journal of nanoscience and nanotechnology, 2011; 11(6):4830-7.

Jennifer Reiber Kyle, Michael D. Kyle, Ravi Raghavan, Gurer Budak, Cengiz S. Ozkan and Mihrimah Ozkan, â€œAnalysis of light scattering from human breast tissue using a custom dual-optical scanning near-field optical microscopeâ€ , J. Biophotonics, 4, No. 3, 193â€“205, August 2010, DOI: 10.1002/jbio.201000022.

2008-2009

Sumit Chaudhary, Astrid M. Muller, Wenling Huang, Rabih O. Al-Kaysi, Christopher J. Bardeen, Cengiz S. Ozkan and Mihrimah Ozkan, "Effects of Solvent and Annealing on Photophysical Properties of Polythiophene Photovoltaic Cells", Advanced Science Letters, In Press, Vol. 2, 14-20, 2009.

M.Ibrahim Khan, Xu Wang, Xiaoye Jing, Krassimir N. Bozhilov, Cengiz S. Ozkan, "Study of single InSb nanowire fabricated by dc electrodeposition in porous anodic alumina membrane", Journal of Nanoscience and Nanotechnology, Vol. 9, 2639-2644, 2009.

Mario Olmedo, Alfredo Martinez-Morales, Emre Yengel, Gang Liu, Jeannie Lau, Mihri Ozkan, Cengiz Ozkan, Jianlin Liu, "Aligning Si Quantum Dots on Hafnium Oxide Covered Carbon Nanotubes", Applied Physics Letters, 13 pages, In Press, 2009.

Yu Zhang, Mo Yang, Mihrimah Ozkan and Cengiz S. Ozkan, "Magnetic Force Microscopy (MFM) of Iron Oxide Nanoparticles and Their Cellular Uptake", Biotechnology Progress, 19 pages, In Press, 2009.

Bifeng Pan, Daxiang Cui, Ping Xu, Cengiz Ozkan, Gao Feng, Mihri Ozkan, Tuo Huang, Bingfeng Chu, Qing Li and Rong He, Synthesis and characterization of polyamidoamine dendrimer-coated multi-walled carbon nanotubes and their application in gene delivery systems, Nanotechnology, 20 pages, In Press, 2009.

Yu Zhang, Mo Yang, Ji-Ho Park, Jennifer Singelyn, Michael J. Sailor, Erkki Rouslahti, Mihrimah Ozkan and Cengiz Ozkan, "A Surface Charge Study on Cellular Uptake Behaviors of F3-Peptide Conjugated Iron Oxide Nanoparticles", Small, 25 pages, In Press, 2009.

M. Ibrahim Khan, Alfredo A.M. Martinez, Miro Penchev, Xiaoye Jing, Emre Yengel, Mihrimah Ozkan and Cengiz S. Ozkan, "Electrochemical synthesis of compositionally modulated InxSb1-x nanowire homojunctions and their tunneling AFM characterization", Journal of Nanoelectronics and Optoelectronics, 21 pages, In Press, 2009.

Y. Zhang, M. Yang, N.G. Portney, D. Cui, G. Budak, E. Ozbay, C.S. Ozkan, "Zeta potential: a surface electrical characteristic to probe the interaction of nanoparticles with normal and cancer human breast epithelial cells", J. Biomed. Mic. Dev., Volume: 10, Issue: 2, Pages: 321-328, 2008.

Bifeng Pan, Daxiang Cui, Cengiz S. Ozkan, Ping Xu, Tuo Huang, Fengtao Liu, Hao Chen, Qing Li, Rong He, and Feng Gao, "Effects of Carbon Nanotubes on Photoluminescence Properties of Quantum Dots", J. Phys. Chem. C, 10.1021/jp068920c, vol. 112, no:4, pp. 939-944, 2008.

X. Wang, C.S. Ozkan, "Multisegment Nanowire Sensors for the Detection of DNA Molecules",Nano Letters, 8 (2), 398-404, 2008.

Chunglin Tsai, Ricky J. Tseng, Yang Yang, Cengiz S. Ozkan, "Quantum Dot Functionalized One Dimensional Virus Templates for Nanoelectronics", Journal of Nanoelectronics and Optoelectronics, Volume 3, Number 2, July 2008 , pp. 133-136(4) 2008.

Jing C. Zhou, Yao Gao, Alfredo A. Martinez-Molares, Xiaoye Jing, Dong Yan, Joseph Lau, Toshikazu Hamasaki, Cengiz S. Ozkan, Mihrimah Ozkan, Evelyn Hu, Bruce Dunn, "Microtubule-Based Gold Nanowires and Nanowire Arrays", Small, Sep; 4(9):1507-15, 2008.

M. Ibrahim Khan, Xu Wang, Krassimir N. Bozhilov and Cengiz S. Ozkan, Templated Fabrication of InSb Nanowires for Nanoelectronics, Journal of Nano Materials, Volume 2008, Article ID 698759, doi:10.1155/2008/698759, 2008.

Martinez-Morales, Nathaniel Portney, Yu Zhang,Ã, Giuseppe Destito, Gurer Budak, Ekmel Ozbay, Marianne Manchester, Mihrimah Ozkan, Cengiz S. Ozkan, "Synthesis and Characterization of Iron Oxide derivatized Mutant Cowpea Mosaic Virus Hybrid Nanoparticles", Advanced Materials, Volume 20, Issue 24, pp. 4816-4820, 2008.

M. Ibrahim Khan, Miro Penchev, Xiaoye Jing, Krassimir N. Bozhilov, Mihri Ozkan, Cengiz S. Ozkan, "Electrochemical Growth of InSb Nanowires and Report of a Single Nanowire Field Effect Transistor", Journal of Nanoelectronics and Optoelectronics, Volume 3, Number 2, pp. 199-202(4), 2008.

M. Ozkan and C.S. Ozkan, "Role of DNA in Nanoarchitectonics", The Bridge, Journal of the National Academy of Engineering (NAE) OF THE NATIONAL ACADEMIES, Winter 2008, volume 38, number 4, pages 25-31, 2008.

2006-2007

S. Ravindran, C. Tsai, K.V. Singh, S. Andavan G.T., Y. Gao, M. Ozkan, E. Hu, C.S. Ozkan, ''Nano-patterned liquid metal electrode for the synthesis of novel prussian blue nanotubes and nanowires,'' August, Nanotechnology, 17, 3, 714-718, 2006.

S. Ravindran, S. Andavan G.T., C.S. Ozkan, "Selective and controlled self assembly of zinc oxide hollow spheres on single walled carbon nanotube templates,'' August, Nanotechnology, 17, 3, 723-727, 2006.

X. Wang, R. Pandey, K.V. Singh, C. Tsai, R. Lake, M. Ozkan, C.S. Ozkan, "Synthesis and characterization of peptide nucleic acid-platinum complexes,'' Nanotechnology, 17, 1177-1183, 2006.

K.V. Singh, X. Wang, R. Pandey, A. Martinez, K. Wang, R. Lake, A. Balandin, C.S. Ozkan, M. Ozkan, ''Covalent functionalization of single walled carbon nanotubes with peptide nucleic acid: Nanocomponents for molecular level electronics'', Carbon, Volume 44, Issue 9, 1730-1739, 2006, doi:10.1016/j.carbon.2005.12.048.

K. Galatsis, Y.Y. Botros, K. Wang, Y. Yang, F. Stoddart, J. Liu, M. Ozkan, C. Ozkan, C. Zhou, K.W. Kim Y.H. Xie, R. Kaner, "Emerging Memory Devices", Galatsis, K.; Kang Wang; Botros, Y.; Yang Yang; Ya-Hong Xie; Stoddart, J.F.; Kaner, R.B.; Ozkan, C.; Jianlin Liu; Ozkan, M.; Chongwu Zhou; Ki Wook Kim; IEEE Circuits and Devices Magazine, IEEE, Volume 22, Issue 3, May-June 2006 Page(s):12-21, doi:10.1109/MCD.2006.1657845.

S. Ravindran, G.T.S. Andavan, C. Tsai, C.S. Ozkan and T.K. Hollis, "Perforated organometallic nanotubes prepared from a Rh N-heterocyclic carbene using a porous alumina membrane" Chem. Commun., 2006, 1616, DOI: 10.1039/b515332h.

X. Wang, F. Liu, G.T. Senthil Andavan, X. Jing, N. Bruque, R.R. Pandey, M. Ozkan, R. Lake, K.L. Wang and C.S. Ozkan, "Carbon Nanotube-DNA Nanoarchitectures and Electronic Functionality",Small, Volume 2, Issue 11, pages 1356-1365, 2006.

Bruque, Nicolas A.; Alam, Khairul; Pandey, Rajeev R.; Lake, Roger K.; Lewis, James P.; Wang, Xu; Liu, Fei; Ozkan, Cengiz S.; Ozkan, Mihrimah; Wang, Kang L., "Self-Assembled Carbon Nanotubes for Electronic Circuit and Device Applications", J. Nanoelectron. Optoelectron. 1, 74-81, 2006.

C.S. Ozkan, Z.L. Wang, "Assembly at the Nanoscale - Toward Functional Nanostructured Materials", editorial article, Small, Volume 2, Issue 11, p 1322-1323, 2006.

L. Hu, X. Zhang, P. Miller, M. Ozkan, C.S. Ozkan and J. Wang, "Cell adhesion measurement by laser-induced stress waves", Journal of Applied Physics, 100, 084701, 2006.

R.J. Tseng, C. Tsai, L. Ma, J. Ouyang, C.S. Ozkan, Y. Yang, "Digital memory device based on tobacco mosaic virus conjugated with nanoparticles", Nature Nanotechnology, Vol 1, 72-77, 2006.

X. Wang, F. Liu, K.L. Wang, C.S. Ozkan, "Metallized DNA Nanotemplates for the Fabrication of ZnO Nanostructures for Optoelectronic Applications", J. Nanoelectron. Optoelectron. Vol.1, 1-8, 2006.

B. Pan, D. Cui, C.S. Ozkan, P. Xu, T. Huang, Q. Li, H. Chen, F. Liu, F. Gao, and R. He, "DNA-Templated Ordered Array of Gold Nanorods in One and Two Dimensions", J. Phys. Chem. C, 111 (34), 12572 -12576, 2007.

Krishna V. Singh, Alfredo Martinez-Morales, Xiaoye Jing, Mihrimah Ozkan, Cengiz S. Ozkan, Fie Liu, and Kang L. Wang, "Electrical Characterization and Analysis of Carbon Nanotube-Peptide Nucleic Acid Conjugates", J. Nanoelectron. Optoelectron. 2, 205-208, 2007.

B. Pan, D. Cui, Y. Sheng, C.S. Ozkan, F. Gao, R. He, Q. Li, P. Xu and T. Huang, "Dendrimer-Modified Magnetic Nanoparticles Enhance Efficiency of Gene Delivery System", Cancer Research, 67, 8156-8163, 2007.

2004-2005

S. Prasad, X. Zhang, M. Yang, Y. Ni, V. Parpura, C.S. Ozkan, M. Ozkan, ''Separation of individual Neurons using Dieletrophoretic alternating Current Fields,'' Journal of Neuroscience Methods, 135, 1-2, 79-88, 2004.

S. Prasad, X. Zhang, M. Yang, C.S. Ozkan, M. Ozkan, ''Neurons as Sensors: Individual and Cascaded Chemical Sensing,'' Journal of Biosensors and Bioelectronics, 19, 2, 1599-1610, 2004.

M. Yang, S. Prasad, X. Zhang, M. Ozkan, C.S. Ozkan, ''Cascaded Chemical Sensing using a Single Cell as a Sensor,'' Sensor Letters, 2, 1, 1-8, 2004.

S. Ravindran, K. Bozhilov, C.S. Ozkan, "Self Assembly of Ordered Artificial Solids of Semiconducting ZnS Capped CdSe Nanoparticles at Carbon Nanotube Ends,'' Carbon, 42, 8-9, 1537-1542, 2004.

D. Cui, C.S. Ozkan, S. Ravindran, Y. Kong, H. Gao, ''Encapsulation of Pt-labelled DNA molecules inside carbon nanotubes,'' Mechanics and Chemistry of Biosystems, 1, 2, 113-122, 2004.

S. Prasad, X. Zhang, C.S. Ozkan M. Ozkan, "Neuron Based Microarray Sensors for Environmental Sensing," Electrophoresis, 25, 21-22, 3746-3760, 2004.

M. Yang, X. Zhang, Y. Zhang, C.S. Ozkan, "Influence of Geometry and Environmental Parameters on the Quality of Signature Patterns for Single Neuron Chemical Sensors,"Sensors and Actuators B: Chemical, 104, 1, 163-171, 2004.

S. Ravindran, S. Kim, R. Martin, E. Lord, C.S. Ozkan, "'Quantum dots as bio-labels for the localization of a small plant adhesion protein," Nanotechnology, 16, 1, 1-4, 2004.

D. Cui, F. Tian, C.S. Ozkan, M. Wang, H. Gao, "Effect of single wall carbon nanotubes on human HEK293 cells," Toxicology Letters, 155, 1,15, 73-85, 2004.

M. Yang, C.S. Ozkan, "Stochastic Frequency Signature for Chemical Sensing via Noninvasive Neuronelectronic Interface", IEEE Transactions on Biomedical Engineering, 52, 5, 916-922, 2005.

X. Zhang, S. Prasad, S. Niyogi, A. Morgan, M. Ozkan, C.S. Ozkan, "Guided Neurite Growth on Patterned Carbon Nanotubes", Sensors and Actuators B: Chemical, 106, 2, 843-850, 2005.

S. Ravindran, C.S. Ozkan, "Self-assembly of ZnO nanoparticles to electrostatic coordination sites of functionalized carbon nanotubes", Nanotechnology, 16, 8, 1130-1136, 2005.

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