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Biology and medicine

2008**Nanorobot architecture for medical target identification**

Adriano Cavalcanti, Bijan Shirinzadeh, Robert A Freitas Jr and Tad Hogg

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Amanda M Schrand, Laura K Braydich-Stolle, John J Schlager, Liming Dai and Saber M Hussain

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2007**Carbon nanotubes for biological and biomedical applications**

Wenrong Yang, Pall Thordarson, J Justin Gooding, Simon P Ringer and Filip Braet

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Characterization of enhanced antibacterial effects of novel silver nanoparticles

Siddhartha Shrivastava, Tanmay Bera, Arnab Roy, Gajendra Singh, P Ramachandrarao and Debabrata Dash

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Enhanced surface-excitonic emission in ZnO/Al₂O₃ core-shell nanowires

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Nonvolatile flexible organic bistable devices fabricated utilizing CdSe/ZnS nanoparticles embedded in a conducting poly *N*-vinylcarbazole polymer layer

Dong-Ick Son, Ji-Hwan Kim, Dong-Hee Park, Won Kook Choi, Fushan Li, Jung Hun Ham and Tae Whan Kim

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Silicon nanowire-based solar cells

Th Stelzner, M Pietsch, G Andrä, F Falk, E Ose and S Christiansen

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Ordered growth of tilted ZnO nanowires: morphological, structural and optical characterization

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Electrostatic deposition of graphene

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Kondo effect by controlled cleavage of a single-molecule contact

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Drastic ion-implantation-induced inter-mixing during the annealing of self-assembled InAs/InP(001) quantum dots

C Dion, P Desjardins, M Chicoine, F Schiettekatte, P J Poole and S Raymond

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Multiwalled carbon nanotube film for strain sensing

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An Au/Si hetero-nanorod-based biosensor for *Salmonella* detection

Junxue Fu, Bosoon Park, Greg Siragusa, Les Jones, Ralph Tripp, Yiping Zhao and Yong-Jin Cho

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Carbon nanotube–TiO₂ hybrid films for detecting traces of O₂

E Llobet, E H Espinosa, E Sotter, R Ionescu, X Vilanova, J Torres, A Felten, J J Pireaux, X Ke, G Van Tendeloo, F Renaux, Y Paint, M Hecc and C Bittencourt

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Strain mapping in free-standing heterostructured wurtzite InAs/InP nanowires

Magnus W Larsson, Jakob B Wagner, Mathias Wallin, Paul Håkansson, Linus E Fröberg, Lars Samuelson and L Reine Wallenberg

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Signal enhancement in nano-Raman spectroscopy by gold caps on silicon nanowires obtained by vapour-liquid-solid growth

S H Christiansen, M Becker, S Fahlbusch, J Michler, V Sivakov, G Andrá and R Geiger

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Oleksandr Kuzmych, Brett L. Allen and Alexander Star

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Husnu Emrah Unalan, Pritesh Hiralal, Nalin Rupesinghe, Sharvari Dalal, William I Milne and Gehan A J Amaratunga

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Q Ahsanulhaq, A Umar and Y B Hahn

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