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Publications –

* 'Kummamuru, R., Soh, YA. Electrical effects of spin density wave quantization and magnetic domain walls in chromium. Nature, Apr 17 2008, 452, 859–863 (2008). <https://doi.org/10.1038/nature06826>
* 'Ravi K. Kummamuru, Lito De La Rama, Liang Hu, Mark D. Vaudin, Mikhail Y. Efremov, Martin L. Green, David A. LaVan, Leslie H. Allen; Measurement of heat capacity and enthalpy of formation of nickel silicide using nanocalorimetry. Appl. Phys. Lett. 2 November 2009; 95 (18): 181911. <https://doi.org/10.1063/1.3255009>
* 'R. K. Kummamuru, A. O. Orlov, R. Ramasubramaniam, C. S. Lent, G. H. Bernstein and G. L. Snider, "Operation of a quantum-dot cellular automata (QCA) shift register and analysis of errors," in IEEE Transactions on Electron Devices, vol. 50, no. 9, pp. 1906-1913, Sept. 2003, doi: 10.1109/TED.2003.816522.
* 'Ravi K. Kummamuru, John Timler, Geza Toth, Craig S. Lent, Rajagopal Ramasubramaniam, Alexei O. Orlov, Gary H. Bernstein, Gregory L. Snider; Power gain in a quantum-dot cellular automata latch. Appl. Phys. Lett. 12 August 2002; 81 (7): 1332–1334. <https://doi.org/10.1063/1.1499511>
* 'Orlov, Alexei O. and Kummamuru, Ravi and Ramasubramaniam, R. and Lent, Craig S. and Bernstein, Gary H. and Snider, Gregory L.; A Two-Stage Shift Register for Clocked Quantum-Dot Cellular Automata. Journal of Nanoscience and Nanotechnology; 01 July 2002; 2 (3-4): 351-355. doi:10.1166/jnn.2002.109