

## ETL TECHNICAL REPORT

- TR-2000-24 Tl-valence change and Tc enhancement (>130K) in (Cu,Tl) Ba<sub>2</sub>Ca<sub>2</sub>Cu<sub>3</sub>O<sub>y</sub> due to nitrogen annealing**  
Y.Tanaka, K.Tanaka, A.Iyo, N.Terada, K.Tokiwa, S.Miyashita, T.Tsukamoto,  
S.K.Agarwal, T.Watanabe, H.Ihara  
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- TR-2000-25 Preparation of (Cu<sub>1-x</sub>M<sub>x</sub>)Ba<sub>2</sub>Ca<sub>3</sub>Cu<sub>4</sub>O<sub>y</sub> superlattice thin film by Self Assembling Epitaxy (SAE) Method**  
H.Ihara, A.Sundaresan, M.Hirai, J.C.Nie, K.Hayashi, Y.Ishiura  
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- TR-2000-26 (CaCuO<sub>2</sub>)<sub>m</sub>/(Sr<sub>x</sub>Ca<sub>1-x</sub>CuO<sub>2</sub>)<sub>n</sub> superlattice growth by reactive sputtering**  
H.Ihara, J.C.Nie, A.Sundaresan, K.Hayashi, Y.Ishiura, M.Hirai, Y.Tanaka,  
A.Iyo, H.Kito  
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- TR-2000-27 Electronic Band Structures of CuBa<sub>2</sub>Ca<sub>n-1</sub>Cu<sub>n</sub>O<sub>2n+2</sub> and CuBa<sub>2</sub>Ca<sub>n-1</sub>Cu<sub>n</sub>O<sub>2n+1</sub>F(n=3-5)**  
H.Ihara, N.Hamada  
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- TR-2000-28 Physical Properties of Highly-Oriented Rhombohedral C<sub>60</sub> Polymer**  
M.Tokumoto, B.Narymbetov, H.Kobayashi, T.L.Makarova, V.A.Davidov,  
A.V.Rakhmania, L.S.Kahsevarova  
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- TR-2000-29 Anisotropic Metallic Properties of Highly-Oriented Rhombohedral C<sub>60</sub> Polymer**  
M.Tokumoto, T.L.Makarova, P.Scharff, B.Sundqvist, B.Narymbetov,  
H.Kobayashi, V.A.Davidov, A.V.Rakhmania, L.S.Kashevarova  
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- TR-2000-30 Atomically resolved charge density modulations near single wall carbon nanotube tips**  
M.Tokumoto, A.Hassanien, P.Umek, D.Mihailovic  
(Accepted November 17, 2000)
- TR-2000-31 Scanning tunneling microscopy of aligned coaxial nanowires of polyaniline passivated carbon nanotubes**  
M.Tokumoto, A.Hassanien, M.Gao, L.Dai  
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