

PAGE **REGULAR ISSUE PAPERS**

- 2043 On the Role of Boron in CdTe and CdZnTe Crystals
M. Pavesi, L. Marchini, M. Zha, A. Zappettini, M. Zanichelli, and M. Manfredi
- 2051 Electrical, Thermal, and Mechanical Characterization of Novel Segmented-Leg Thermoelectric Modules
Jonathan D'Angelo, Eldon D. Case, Nuraddin Matchanov, Chun-I Wu, Timothy P. Hogan, James Barnard, Charles Cauchy, Terry Hendricks, and Mercouri G. Kanatzidis
- 2063 Effect of Ce-Doping on Thermoelectric Properties in PbTe Alloys Prepared by Spark Plasma Sintering
J.Q. Li, S.P. Li, Q.B. Wang, L. Wang, F.S. Liu, and W.Q. Ao
- 2069 Optimum Thickness of Sn Film for Whisker Growth
Jing Cheng, Fuqian Yang, Paul T. Vianco, Bei Zhang, and James C.M. Li
- 2076 Experimental Evidence for Formation of Ni-Al Compound in Flip-Chip Joints Under Current Stressing
M.Y. Tsai, Y.L. Lin, M.H. Tsai, Y.J. Chen, and C.R. Kao
- 2081 On the Mutual Effect of Viscoplasticity and Interfacial Damage Progression in Interfacial Fracture of Lead-Free Solder Joints
Milad Maleki, Joel Cugnoni, and John Botsis
- 2093 Influence of Surface Segregation on Wetting of Sn-Ag-Cu (SAC) Series and Pb-Containing Solder Alloys
M.J. Bozach, J.C. Suhling, Y. Zhang, Z. Cai, and P. Lall
- 2105 Reduction of Copper Oxide Induced by 172 nm Vacuum Ultraviolet Radiation at Ambient Temperature
Jian-Xiong Li and An-Hua Liu
- 2111 Impact of 5% NaCl Salt Spray Pretreatment on the Long-Term Reliability of Wafer-Level Packages with Sn-Pb and Sn-Ag-Cu Solder Interconnects
Bo Liu, Tae-Kyu Lee, and Kuo-Chuan Liu
- 2119 Investigation of Post-Etch Copper Residue on Direct Bonded Copper (DBC) Substrates
Fundat Mer, Guo-Quan Lu, Xu Chen, Chen Gang, Shufang Luo, and Dimeji Ibitayo
- 2126 Aqueous-Develop, Photosensitive Polynorbornene Dielectric: Optimization of Mechanical and Electrical Properties
Mehrsa Raeis-Zadeh, Noraica Davila Melendez, Yu-Chun Chen, and Paul A. Kohl
- 2139 Preparation and Characterization of Ultralow-Dielectric-Constant Porous SiCOH Thin Films Using 1,2-Bis(triethoxysilyl)ethane, Triethoxymethylsilane, and a Copolymer Template
Shuang Fu, Ke-Jia Qian, Shi-Jin Ding, and David Wei Zhang
- 2147 Influence of Surface Ligand on Ultraviolet Photodetection Property of TiO₂ Nanocrystal/Polymer Hybrids
Yan-Gang Han and Lin-Lin Wu
- 2152 Effects of Sm³⁺ Doping on Dielectric Properties of Anatase TiO₂ Nanoparticles Synthesized by a Low-Temperature Hydrothermal Method
A.K. Abdul Gafoor, Jesty Thomas, M.M. Musthafa, and P.P. Pradyumnan
- 2159 Optical and Dielectric Properties and Microstructures of rf-Magnetron Sputtered ZnO-Doped Zr_{0.8}Sn_{0.2}TiO₄ Films on Indium Tin Oxide/Glass Substrates
Cheng-Hsing Hsu
- 2166 Synthesis and Dielectric Properties of Hyperbranched CuPc Based on Biphenyl Segments
Xin Zhao, Rui Zhao, Xiaoli Yang, Jiachun Zhong, and Xiaobo Liu