

Plasmas basic concepts and nitrogen containing plasmas

Abstract: Basic concepts related to plasmas are described as well as the typical characterization methods available nowadays. A brief overview about some plasma applications is given, but focusing on plasma used in material processing mainly devoted to the microelectronics industry. Finally, specific applications related to plasma-assisted MBE for nitrides and dilute nitrides are given, showing some interesting research works performed to that purpose, and giving the usual characterization techniques commonly used in such processes