

# Diamond and Diamond-Like Films and Coatings (NATO Science Series: B: Physics, Volume 266)



Diamond films grown by activated chemical vapor deposition have superlative thermal, mechanical, optical, and electronic properties combined with a very high degree of chemical inertness to most environments. These properties, together with the ability to fabricate films and shapes of considerable size, promise an exciting new material with many applications. Some applications are on the verge of commercialization but many await a few more technological developments. Diamond-like films are already employed in both commercial and military applications. The popular press, as well as the scientific and technological and industrial communities, are increasingly interested in the potential for future development of these materials. Although there are many technical papers and review articles published, there is no Single comprehensive introduction to these technologies. The Scientific Affairs Division of NATO recognized the need and the future importance of these technologies and authorized an Advanced Study Institute on diamond and diamond-like films. NATO Advanced Study Institutes are high level teaching activities at which a carefully defined subject is presented in a systematic and coherently structured program. The subject is treated in considerable depth by lecturers eminent in their fields and of international standing. The presentations are made to students who are scientists in the field or who possess an advanced general scientific background.

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B: Physics, edited by R. E. Clausing, L. L. Horton, J. C. Angus, Catherine, Y. (1991), in Diamond and Diamond-like Films and Coatings, Vol. Download book PDF Diamond and Diamond-like Films and Coatings pp 193-227 Cite as Part of the NATO ASI Series book series (NSSB, volume 266) Buy Diamond and Diamond-Like Films and Coatings (NATO Science Series: B: Physics, Volume 266) (1992-01-31) by (ISBN: ) from Amazons Book Store. Diamond and Diamond-Like Films and Coatings (NATO Science Series: B: Physics, Volume 266). Plenum Press, 1992-01-31. Hardcover. Good. Diamond films grown by activated chemical vapor deposition have Nato Science Series B: Free Preview. 1991. Diamond and Diamond-like Films and Coatings Physics of Glow Discharge Plasmas and Plasma/Surface Interactions During . Series Title: Nato Science Series B: Series Volume: 266 Copyright: 1991 A series presenting the results of activities sponsored by the NA TO Science Committee, Volume 266-Diamond and Diamond-like Films and Coatings Series B. Physics v. 266). Proceedings of a NATO Advanced Study Institute on Diamond and Diamond-Like Films and Coatings (NATO Science Series: B: Physics, Volume 266) (1992-01-31): Books - . W. Moller, in Diamond and Diamond-Like Films and Coatings, edited by R. E. Clausing, L. L. Horton, J. C. 266 (Plenum, New York, 1991), p. and Coatings, edited by R. E. Clausing, L. L. Horton, J. C. Angus, and P. Koidl, NATO-ASI Series B: Physics, Vol. B. T. Kelly, Physics of Graphite (Applied Science, London, 1981). Diamond and Diamond-Like Films and Coatings (NATO Science Series: B: Physics, Volume 266): : Books. Buy a cheap copy of Diamond and Diamond-Like Films and book . and Diamond-Like Films and Coatings (NATO Science Series: B: Physics, Volume 266). NATO ASI Series Advanced Science Institutes Series A series presenting the Life Sciences Plenum Publishing Corporation B Physics New York and London C Santen Volume 266 Diamond and Diamond-Like Films and Coatings edited Advanced Science Institutes Series A series presenting the results of activities sponsored in conjunction with the NATO Scientific Affairs Division A Life Sciences Plenum Publishing Corporation B Physics New York and LONDON C R. A. van Santen Volume 266 Diamond and Diamond-Like Films and Coatings edited by