

Publications and conferences list:

Publications	List
Papers on ISI Journals	<p>1. Diamond & Related Materials 14 (2005) 1134– 1137 [ISSN: 0925-9635] Microstructure analysis on polycrystalline 3C–SiC thin films C. Ricciardi ^{a,b}, F. Giorgis ^{a,b}, G. Fanchini ^{a,b}, S. Musso ^{a,b}, V. Ballerini ^{a,b}, E. Bennici ^{a,b}, G. Barucca ^c, A.M. Rossi^d</p> <p>2. Diamond & Related Materials 14 (2005) 784-789 [ISSN: 0925-9635] Growth of vertically aligned carbon nanotubes by CVD by evaporation of carbon precursors S. Musso [*], G. Fanchini, A. Tagliaferro</p> <p>3. Diamond and Related Materials 15 (2006) 1913-1916 [ISSN: 0925-9635] Low Temperature Electron Spin Resonance Investigation of Ultrananocrystalline Diamond Films as a Function of Nitrogen Content M.Rovere¹, S.Porro¹, S.Musso¹, A.Shames², O.Williams³, P.Bruno³, A.Tagliaferro¹, D.M.Gruen³</p> <p>4. Journal of Non-Crystalline Solids 352 (2006) 1310-1313 [ISSN: 0022-3093] Study of CNTs and nanographite grown by thermal CVD using different precursors S. Porro^{1a}, S. Musso¹, M. Giorcelli¹ and A. Tagliaferro¹ S. H. Dalal², K. B.K. Teo², D. A. Jefferson² and W. I. Milne²</p> <p>5. Diamond and Related Materials 15 (2006) 1085-1089, [ISSN: 0925-9635] Low temperature electron spin resonance investigation on SWNTs after hydrogen treatment S. Musso^{*1}, S. Porro¹, M. Rovere ¹, A. Tagliaferro ¹, E. Laurenti ², M. Mann ³, K.B.K. Teo ³ and W.I. Milne ³</p> <p>6. Physica E: Low-dimensional Systems & Nanostructures 37 (2007) 58-61 [ISSN: 1386-9477] Purification of carbon nanotubes grown by thermal-CVD S. Porro¹, S. Musso¹, M. Vinante², L. Vanzetti², M. Anderle², F. Trotta³, A. Tagliaferro¹</p> <p>7. Physica E: Low-dimensional Systems & Nanostructures 37 (2007) 16-20 [ISSN: 1386-9477] Optimization of a thermal-CVD system for carbon nanotubes growth S. Porro, S. Musso, M. Giorcelli, A. Chiodoni, A. Tagliaferro</p>

8. Diamond and Related Materials 16 (2007) 1174-1178
[ISSN: 0925-9635]

Physical and mechanical properties of thick self standing layers of multiwall carbon nanotubes

S. Musso, S. Porro, M. Rovere, A. Chiodoni, and A. Tagliaferro

9. Diamond and Related Materials 16 (2007) 1183-1187
[ISSN: 0925-9635]

Modification of MWNTs obtained by thermal-CVD

S. Musso¹, S. Porro¹, M. Vinante³, L. Vanzetti³, R. Ploeger², M. Giorcelli¹, B. Possetti², F. Trotta², C. Pederzoli³, A. Tagliaferro¹

10. Diamond and Related Materials 16 (2007) 1806-1812
[ISSN: 0925-9635]

Defects localization and nature in bulk and disperse ultrananocrystalline diamond

A. I. Shames, A. M. Panich, S. Porro, M. Rovere, S. Musso, A. Tagliaferro, M. V. Baidakova, V. Yu. Osipov, A. Ya. Vul, T. Enoki, M. Takahashi, E. Osawa, O. A. Williams, P. Bruno, D. M. Gruen

11. Carbon / Letters to the Editor, 45 (2007) 1133-1136
[ISSN: 0008-6223]

Macroscopic growth of carbon nanotube mats and their mechanical properties

Simone Musso, Samuele Porro, Mauro Giorcelli, Angelica Chiodoni, Carlo Ricciardi, Alberto Tagliaferro

12. Diamond and Related Materials – in press
[ISSN: 0925-9635]

Improving macroscopic physical and mechanical properties of thick layers of aligned multiwall carbon nanotubes by annealing treatment

S. Musso, M. Giorcelli, M. Pavese, S. Bianco, M. Rovere, A. Tagliaferro

13. Journal of Crystal Growth – 310 (2008) 477-483
[ISSN: 0022-0248]

Fluid dynamic analysis of gas flow in a thermal-CVD system designed for growth of carbon nanotubes

Simone Musso¹, Samuele Porro, Massimo Rovere*, Mauro Giorcelli, Alberto Tagliaferro

14. Journal of Nanoscience and Nanotechnology – in press
[ISSN: 1533-4880]

“Biocompatibility of carbon-based materials”

M. Vinante, S. Forti, C. Pederzoli, M. Giorcelli, S. Musso, A. Tagliaferro, et al.

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E-mail address: simone.musso@polito.it (S. Musso).

	<p>15. Journal of Nanoscience and Nanotechnology – in press [ISSN: 1533-4880] “Gas chromatography study of reagent degradation during CVD carbon nanotube growth” Simone Musso, Marco Zanetti, Mauro Giorcelli, Alberto Tagliaferro, Luigi Costa</p> <p>16. Diamond and Related Materials – submitted [ISSN: 0925-9635] “Preparation of polymer-based composite with magnetic and electronic anisotropy by oriented carbon nanotube dispersion” Alessandro Chiolerio, Simone Musso, Marco Sangermano, Marco Coisson, Aldo Priola, Paolo Allia, Alberto Tagliaferro</p>
Papers on Books	<p>17. 37/661 (2), Fort P.O., Trivandrum-695 023, Keral, India, Recent Research Developments in Applied Polymer Science Vol. 1 (2002) Part II: 529-547 ISBN: 81-7736-157-0 New derivatives of PEEK-WC for membranes preparation. Francesco Trotta^{1*}, Enrico Drioli², Amalia Gordano² and Simone Musso¹.</p> <p>18. HYSYDAYS 2005, 1st World Congress of Young Scientist on Hydrogen Energy Systems (18th-20th May 2005 Turin, Italy), edited by Begell House, New York, USA. ISBN: 1567002307 Growth and characterization of Carbon nanotubes as hydrogen storage system Simone Musso, Samuele Porro, Mauro Giorcelli</p> <p>19. <i>Advances in Science and Technology</i> 48 (2006) 37-43 Trans Tech Publications Ltd. ISBN: 88-86538-15-4 Thermal CVD Growth of Carbon Nanotubes Thick Layers Samuele Porro^{1,a}, Simone Musso^{1,b}, Mauro Giorcelli^{1,c} and Alberto Tagliaferro^{1,d}</p>
Proceedings	<p>20. Proceedings of ESDA2006: 8th Biennial ASME Conference on Engineering Systems Design and Analysis - ESDA2006-95721 (DRAFT) THERMAL-CVD SYSTEM DESIGNED FOR GROWTH OF CARBON NANOTUBES Samuele Porro, Simone Musso, Massimo Rovere*, Mauro Giorcelli, Angelica Chiodoni, Alberto Tagliaferro</p>
Patents	<p>21. National patent n. TO2007A000923 regarding the synthesis of carbon nanotubes (Politecnico & University of Torino)</p>
Conferences	<p>1. NDNC 2007, New Diamond and Nano Carbons, Osaka, Japan, 28-31 May 2007. Two oral presentations.</p>

- 2. XXIst International Winterschool, IWEPNM2007**, Tirol, Austria, 10-17 March 2007. **One poster presentation.**
- 3. DIAMOND 2006**, 17th European Conference on Diamond, Diamond-Like Materials, Carbon Nanotubes and Nitrides, Estoril, Portugal, 3-8 September 2006. **One poster and one oral presentation.**
- 4. StaR City Training Course 1: Sector C – Waste Management (TC1)**, Marie Curie Conferences and Training Courses, Palma de Maiorca, Spain, 27 February-3 March 2006. **One poster presentation.**
- 5. DIAMOND 2005**, 16th European Conference on Diamond, Diamond-Like Materials, Carbon Nanotubes and Nitrides, Toulouse, France, 11-16 September 2005. **One poster presentation.**
- 6. HysyDay 2005**, International congress of young scientists on hydrogen, Torino, Italy, 18-21 May 2005. **One oral presentation.**
- 7. Convegno Nanocose3**, Frascati (Roma), Italy, 3-5 October 2005. **One oral presentation.**
- 8. DIAMOND 2004**, 15th European Conference on Diamond, Diamond-Like Materials, Carbon Nanotubes and Nitrides, Riva del Garda, Italy, 12-17 September 2004. **One poster presentation.**
- 9. 3rd European SPM user meeting**, Stuttgart, Germany, 27-28 October 2003. **One poster presentation.**