

Publicazioni su riviste internazionali

Autore/Coautore di articoli su riviste ISI

1. Genga A., Ielpo P., **Siciliano T.**, Siciliano M., Carbonaceous particles and aerosol mass closure in PM_{2.5} collected in a port city, *Atmospheric Research* 183 (2017) 245-254
2. Perrone M.R., Genga A., Siciliano M., **Siciliano T.**, Paladini F., Burlizzi P., Saharan dust impact on the chemical composition of PM₁₀ and PM₁ samples over south-eastern Italy, *Arabian Journal of Geosciences* 9 (2016) 127, 1-11
3. Rella S., Malitesta C., Mazzotta E., Turco A., **Siciliano T.**, Tepore A., XPS investigation of electrosynthesized conducting polymer nanostructures of application in sensors. Preliminary results, *Lecture Notes in Electrical Engineering* 319 (2015) 165-169, 2nd National Conference on Sensors, 2014; Rome; Italy; 19 February 2014 through 21 February 2014; Code 112979
4. Filippo E., Tepore M., Baldassarre F., **Siciliano T.**, Micocci G., Quarta G., Calcagnile L., Tepore A., Synthesis of β -Ga₂O₃ microstructures with efficient photocatalytic activity by annealing of GaSe single crystal, *Applied Surface Science* 338 (2015) 69-74
5. **Siciliano T.**, Genga A., Micocci G., Siciliano M., Tepore M., Tepore A., Porous tellurium oxide microtubes for room-temperature NO₂ gas sensors, *Sensors and Actuators, B: Chemical* 201 (2014) 138-143
6. Filippo E., Tepore M., **Siciliano T.**, Chirizzi D., Malitesta C., Guascito M.R., Room temperature facile synthesis of CuO nanostructures by resistive heating, *Physica E: Low-Dimensional Systems and Nanostructures* 60 (2014) 59-64
7. Chirizzi D., Guascito M.R., Picca R.A., Malitesta C., Siciliano M., **Siciliano T.**, Tepore A., Development and spectroscopic characterization of TeO₂-NWs for amperometric detection of H₂O₂, *Lecture Notes in Electrical Engineering* Volume 162 LNEE, 2014, Pages 465-469 1st National Conference on Sensors; Rome; Italy; 15 February 2012 through 17 February 2012; Code 99072
8. Genga A., Bagliivi F., Siciliano M., **Siciliano T.**, Aiello D., Tortorella C., Chemical and morphological study of particulate matter analysed by SEM-EDS, 4th IMEKO TC19 Symposium on Environmental Instrumentation and Measurements 2013: Protection Environment, Climate Changes and Pollution Control 2013, Pages 43-46 4th IMEKO TC19 Symposium on Environmental Instrumentation and Measurements 2013: Protection Environment, Climate Changes and Pollution Control; Lecce; Italy; 3 June 2013 through 4 June 2013; Code 102275
9. Guascito M.R., Chirizzi D., Malitesta C., **Siciliano T.**, Tepore A., Te oxide nanowires as advanced materials for amperometric nonenzymatic hydrogen peroxide sensing, *Talanta* 115 (2013) 863-869
10. Malitesta C., Guascito M.R., Mazzotta E., **Siciliano T.**, Tepore A., Copper nanoparticles/poly-3-methylthiophene composite: Synthesis, characterization and catalytic application to enzyme-less glucose detecting, *Sensors and Actuators, B: Chemical* 184 (2013) 70-77
11. Filippo E., Siciliano M., Genga A., Micocci G., Tepore A., **Siciliano T.**, Single crystalline β -Ga₂O₃ nanowires synthesized by thermal oxidation of GaSe layer, *Materials Research Bulletin* 48 (2013) 1741-1744
12. **Siciliano T.**, Tepore M., Genga A., Micocci G., Siciliano M., Tepore A., Thermal oxidation of amorphous GaSe thin films, *Vacuum* 92 (2013) 65-69
13. Filippo E., **Siciliano T.**, Genga A., Micocci G., Siciliano M., Tepore M., Formation of α -TeO₂ pearl-like microwires templated on porous microtubes through thermal oxidation of Te microtubes, *Applied Surface Science* 265 (2013) 329-333
14. Filippo E., **Siciliano T.**, Genga A., Micocci G., Siciliano M., Tepore A., Phase and morphological transformations of GaS single crystal surface by thermal treatment, *Applied Surface Science* 261 (2012) 454-457
15. **Siciliano T.**, Tepore M., Genga A., Micocci G., Tepore A., Filippo E., Structural characterization of In₂O₃ hierarchical microwires synthesized through decomposition thermal treatment of InSe single crystal, *Materials Chemistry and Physics* 136 (2012) 225-229
16. Guascito M.R., Chirizzi D., Malitesta C., Siciliano M., **Siciliano T.**, Tepore A., Amperometric non-enzymatic bimetallic glucose sensor based on platinum tellurium microtubes modified electrode, *Electrochemistry Communications* 22 (2012) 45-48
17. Genga A., Bagliivi F., Siciliano M., **Siciliano T.**, Tepore M., Micocci G., Tortorella C., Aiello D., SEM-EDS investigation on PM₁₀ data collected in Central Italy: Principal Component Analysis and Hierarchical Cluster Analysis, *Chemistry Central Journal* 6, Issue SUPPL.2, (2012) S3
18. **Siciliano T.**, Di Giulio M., Tepore M., Genga A., Micocci G., Tepore A., In₂O₃ films prepared by thermal oxidation of amorphous InSe thin films, *Thin Solid Films* 520 (2012) 2455-2460

19. Filippo E., Micocci G., Tepore A., **Siciliano T.**, Fabrication of α -TeO₂ smooth and beaded microwires by thermal evaporation method, *Journal of Crystal Growth* 336 (2011) 101-105
20. **Siciliano T.**, Filippo E., Genga A., Micocci G., Siciliano M., Tepore A., Tellurium microtubes synthesized by thermal evaporation method, *Crystal Research and Technology* 46 (2011) 765-768
21. **Siciliano T.**, Tepore A., Micocci G., Genga A., Siciliano M., Filippo E., Synthesis and characterization of indium monoselenide (InSe) nanowires, *Journal of Materials Science: Materials in Electronics* 22 (2011) 649-653
22. **Siciliano T.**, Tepore A., Micocci G., Genga A., Siciliano M., Filippo E., Formation of In₂O₃ microrods in thermal treated InSe single crystal, *Crystal Growth and Design* 11 (2011) 1924-1929
23. Guascito M.R., Chirizzi D., Malitesta C., Mazzotta E., Siciliano M., **Siciliano T.**, Tepore A., Turco A., Low-potential sensitive H₂O₂ detection based on composite micro tubular Te adsorbed on platinum electrode, *Biosensors and Bioelectronics* 26 (2011) 3562-3569
24. **T. Siciliano**, M. Di Giulio, M. Tepore, E. Filippo, G. Micocci, A. Tepore, Effect of thermal annealing time on optical and structural properties of TeO₂ thin films, *Vacuum* 84 (2010) pp. 935-939
25. **T. Siciliano**, E. Filippo, A. Genga, G. Micocci, M. Siciliano, A. Tepore, Single-crystalline Te microtubes: synthesis and NO₂ gas sensor application, *Sens. Actuators B: Chem* 142 (2009) 185-190
26. **T. Siciliano**, M. Di Giulio, M. Tepore, E. Filippo, G. Micocci, A. Tepore, Ammonia sensitivity of rf sputtered tellurium oxide thin films, *Sens. Actuators B* 138 (2009) 550-555
27. **T. Siciliano**, A. Tepore, G. Micocci, A. Genga, M. Siciliano, E. Filippo, Transition from n- to p-type electrical conductivity induced by ethanol adsorption on □-tellurium dioxide nanowires, *Sens. Actuators B: Chem* 138 (2009) 207-213
28. **T. Siciliano**, M. Di Giulio, M. Tepore, E. Filippo, G. Micocci, A. Tepore, Room temperature NO₂ sensing properties of reactively sputtered TeO₂ thin films, *Sens. Actuators B* 137 (2009) 644-648
29. **T. Siciliano**, A. Tepore, E. Filippo, G. Micocci, M. Tepore, Characteristics of molybdenum trioxide nanobelts prepared by thermal evaporation technique, *Mater. Chem. Phys.* 114 (2009) 687-691
30. **T. Siciliano**, M. Di Giulio, M. Tepore, E. Filippo, G. Micocci, A. Tepore, Tellurium sputtered thin films as NO₂ gas sensors, *Sens. Actuators B* 135 (2008) 250-254
31. A. Genga, M. Siciliano, L. Famà, E. Filippo, **T. Siciliano**, A. Mangone, A. Traini, C. Laganara, Characterization of surface layers formed under natural environmental conditions on medieval glass from Siponto (Southern Italy), *Materials Chemistry and Physics* 111 (2008) 480-485
32. **T. Siciliano**, A. Tepore, G. Micocci, A. Serra, D. Manno, E. Filippo, WO₃ gas sensors prepared by thermal oxidization of tungsten, *Sensors and Actuators B* 133 (2008) 321-326
33. A. Genga, M. Siciliano, L. Famà, D. Manno, **T. Siciliano**, A. Mangone, A. Traini, C. Laganara, Studio del meccanismo di degrado di vetri antichi rinvenuti nel parco archeologico di Siponto (Foggia), *Proc. XXXVI Congresso Nazionale di Chimica Fisica, Gallipoli (Le) 17-22 giugno 2007*, pp. 58
34. A. Serra, D. Manno, E. Filippo, **T. Siciliano**, A. Tepore, Self-assembly of starch stabilized Ag nanocrystals into ribbon-like and globular agglomerate structures for biosensors application", *Proc. XXXVI Congresso Nazionale di Chimica Fisica, Gallipoli (Le) 17-22 giugno 2007*, pp.87
35. E. Filippo, D. Manno, A. Serra, **T. Siciliano**, M. Tepore, P. Ielpo, M. Caselli, Caratterizzazione morfologica e composizionale del particolato aerodisperso di origine urbana e industriale in due città del sud Italia, *Procc. X Congresso Nazionale di Chimica dell'ambiente e dei Beni Culturali: Conoscenza e Creatività, Acaya, Vernole (Le), 11-15 giugno 2007*, pp. 70
36. A. Genga, M. Siciliano, **T. Siciliano**, A. Tepore, A. Traini, A. Mangone, C. Laganara, Coloranti e opacizzanti in frammenti vitrei di età medievale: caratterizzazione chimico-fisica, *Proc. X Congresso Nazionale di Chimica dell'ambiente e dei Beni Culturali: Conoscenza e Creatività, Acaya, Vernole (Le), 11-15 giugno 2007*, pp. 84
37. D. Cesari, D. Contini, A. De Marco, A. Genga, M. Siciliano, **T. Siciliano**, Caratterizzazione chimico-fisica di particolato atmosferico in un sito di fondo urbano, *Proc. X Congresso Nazionale di Chimica dell'ambiente e dei Beni Culturali: Conoscenza e Creatività, Acaya, Vernole (Le), 11-15 giugno 2007*, pp. 157
38. M. Di Giulio, D. Manno, G. Micocci, E. Filippo, A. Serra, **T. Siciliano**, A. Tepore, Transmission electron microscopy analysis and electrical properties of selenium-tin oxide thin films in controlled atmosphere, *XVII*

Congresso dell'Associazione Italiana del Vuoto, 28 giugno – 2 luglio 2004 Venezia, Editrice Compositori Bologna ISBN 88-7794-495-1(2005) 187-193

39. L. Famà, D. Manno, A. Serra, M. Siciliano, **T. Siciliano**, E. Filippo, G. Micocci, A. Tepore, Scanning electron microscopy and X-Ray microanalysis of silver coins coming from Taranto mint, art'05 -8th International Conference on “Non Destructive Investigations and Microanalysis for the Diagnostics and Conservation of Cultural Environmental Heritage, Lecce (Italy), (2005), 306 - ISBN 88-89758-01-5, Rome
40. L. Famà, E. Filippo, A. Genga, C. Laganara, A. Mangone, D. Manno, G. Micocci, A. Serra, **T. Siciliano**, M. Siciliano, A. Tepore, A. Traini, The scanning electron microscopy for medieval glass weathering analysis and chemical composition, 10th EuCheMS-DCE International Conference on Chemistry and Environment – 9th Proc. International Congress of Environmental and Cultural Heritage Chemistry, Rimini, September 8-9, 2005, pp. 71-72
41. A. Serra, **T. Siciliano**, E. Filippo, G. Micocci, A. Tepore, D.P. Arnold, L. Valli, Thermally stimulated current investigation of copper octaethylporphyrin dimer Langmuir-Blodgett films, *Langmuir* 21 (2005) 294 -298
42. D. Manno, A. Serra, G. Micocci, **T. Siciliano**, E. Filippo and A. Tepore, Morphological, structural and electrical characterization of nanostructured vanadium–tin mixed oxide thin films, *J. Non-Crystalline Solids* 341 (2004) 68-76
43. A. Serra, D. Manno, **T. Siciliano**, G. Micocci, A. Tepore, M. Rossi, M. L. Terranova, V. Sessa, S. Piccirillo, S. Orlanducci, Modulation of charge transport in diamond-based layers, *J. Appl. Phys.* 94 (2003) 416-422
44. A. Serra, A. Genga, D. Manno, G. Micocci, **T. Siciliano**, A. Tepore, R. Tafuro, L. Valli, Synthesis and characterization of TiO₂nanocrystals prepared from n-octadecylamine-titanyl oxalate Langmuir-Blodgett films, *Langmuir* 19 (2003) 3486-3492
45. D. Manno, M. Di Giulio, G. Micocci, A. Serra, **T. Siciliano**, Physical Properties of Sputtered molybdenum oxide thin films suitable for gas sensing applications, *J. of Phys. D: Appl. Phys.* 35 (2002) 228
46. C. Malitesta, A. Tepore, L. Valli, A. Genga, **T. Siciliano**, X-Ray photoelectron spectroscopy characterisation of Langmuir-Blodgett films containing TiO₂ nanoparticles grown by room-temperature hydrolysis of TiO(C₂O₄)₂²⁻, *Thin Solid Films* 422 (2002) 112
47. **T. Siciliano**, A. Serra, D. Manno, G. Micocci, A. Tepore, Electronic properties of In₂O₃/SeO₂ thin films by scanning tunneling microscopy, 5th MCEM 2001 Lecce, Ed. L. Dini and M. Catalano (Rinton Press, Inc. Princeton USA 2001) 441
48. D. Manno, **T. Siciliano**, M. Di Giulio, G. Micocci, A. Serra, A. Tepore, M. Rossi, HREM analysis of SnO₂-SeO₂ mixed oxide thin films, 5th MCEM 2001 Lecce, Ed. L. Dini and M. Catalano (Rinton Press, Inc. Princeton USA 2001) 433
49. D. Manno, M. Di Giulio, **T. Siciliano**, E. Filippo and A. Serra, Structural and electrical properties of In₂O₃/SeO₂ thin films for gas-sensing applications, *J. of Phys. D: Appl. Phys.* 34 (2001) 2097