Curriculum del Prof. Enzo Montoneri

DATI BIOGRAFICI

nato il 7/8/43
cittadinanza italiana

TITOLI

-Laurea in Chimica Pura presso l'Università di Catania nel 1968 con voti 106/110 e abilitazione alla professione nello stesso anno.
-Laurea in Farmacia presso l'Università di Milano nel 1981 con voti 100/110 e abilitazione alla professione nello stesso anno.
-Ricercatore presso il Politecnico di Milano nel 1983
-Professore Ordinario di Chimica Industriale nel 1990 presso l'Università di Torino
-Membro del Comitato Tecnico Ordinatore della Nuova Facoltà di Scienze di Verona (1991-94).

CARRIERA

Ricercatore presso la DuPont de Nemours in USA (1969-71), borsista universitario (1971-72), ricercatore della Snia Viscosa (1973-77) e della DeNora (1977-82), ricercatore universitario (1983-90), professore ordinario dal 1990 all'Università di Torino.

ATTIVITA' DIDATTICA E SCIENTIFICA

Insegnamenti Tenuti per Affidamento o Supplenza.

- Chimica Organica Industriale dal 1990 fino alla riforma 3 + 2 nel corso di laurea di Chimica Industriale dell'Università di Torino
- Petrolchimica e Carbochimica 3 cfu dalla riforma 3 + 2 fino al 2006 nel corso di laurea triennale in Chimica Industriale dell'Università di Torino
- Chimica Organica Industriale e laboratorio 4 cfu dalla riforma 3 + 2 fino al 2006 nel corso di laurea triennale in Chimica Industriale dell'Università di Torino
- Chimica Industriale Organica 7 cfu dal 2006 fino ad oggi
- Chimica Fine e delle Risorse Rinnovabili 4 cfu dalla riforma 3 + 2 fino ad oggi nel corso di laurea magistrale in Chimica Industriale dell'Università di Torino
- Chimica delle Fermentazioni e Microbiologia Industriale 3 cfu nel corso di laurea magistrale in Chimica Industriale dell'Università di Torino dal 2005 fino ad oggi
- Sicurezza e Qualità nell'Industria Chimica 2 cfu nel corso di laurea magistrale in Chimica Industriale dell'Università di Torino dal 2000 fino ad oggi
- Impianti Biochimici nel Corso di Laurea Triennale in Biotecnologie Agro-Industriali dell'Università di Verona (2003 e 2004).
- Chimica I 2 cfu nel Corso di Laurea Triennale in Comunicazione Scientifica dell'Università di Torino (2004-2007)
- Chimica II 2 cfu nel Corso di Laurea Triennale in Comunicazione Scientifica dell'Università di Torino (2004-2007)
- Chimica e Biotecnologia delle Fermentazioni 5 cfu nel corso di laurea triennale in Biotecnologie dell'Università di Torino (2007-08)
- Chimica delle Fermentazioni e Microbiologia Industriale 2 cfu nel corso di laurea magistrale in Biotecnologie dell'Università di Torino (2007-08)

Contenuti dell'Attività Didattica.

Risorse a fini energetici e chimici industriali: carbone, petrolio, metano e risorse rinnovabili. Analisi della struttura e delle proprietà delle risorse. Processi ed impianti chimici e biochimici industriali. Aspetti termodinamici e cinetici dei processi chimici e biochimici industriali. Principali prodotti chimici e biochimici industriali.

Contenuti dell'Attività Scientifica.

L'attività di ricerca copre la sintesi di nuovi intermedi chimici, lo sviluppo di nuovi processi chimici per la sintesi di intermedi, lo studio dei relativi meccanismi di reazione, la sintesi di polimeri organici ed organo-inorganici per celle elettrochimiche, per celle a combustibile e per applicazioni nell'elettronica ed opto-elettronica, la caratterizzazione degli stessi, anche in relazione al loro funzionamento in condizioni di utilizzo, i processi di compostaggio e la caratterizzazione dei loro prodotti, lo studio di polimeri naturali, la valorizzazione di biomasse residuali come fonti di energia e ausiliari chimici a scopi industriali. L'attività è documenta da 177 pubblicazioni, comunicazioni a congresso e brevetti.

Publicazioni

1. Biomass wastes as renewable source of energy and chemicals for the industry with friendly environmental impact. E. Montoneri[1]*, P. Savarino[1], S. Bottigliengo[1], V. Boffa[1], A. Bianco Prevot[2], D. Fabbri[2] and E. Pramauro[2] `Fresenius Environmental` Bulletin, in the press
2. Biosurfactants from urban wastes. Product technological performance as a function of source material and process. V. Boffa, P. Savarino, E. Montoneri, S. Bottigliengo, G. Musso, D.G.Perrone, A. Bianco Prevot, 2nd Euchems Chemistry Congress, September 16-20, 2008, Torino, Italy
3. Biosurfactants From Urban Green Wastes. E. Montoneri, V. Boffa, P. Savarino, D. Perrone, G. Musso, R. Mendichi, M. R. Chierotti, R. Gobetto, Environ. Sci. Technol. submitted for publication August 10, 2008
4. Sensitizing Effect of Compost Derived Humic Acid-Like on The Photochemical Degradation of Aromatic Sulphonates. Bianco Prevot Alessandra, Boffa Vittorio, Fabbri Debora, Montoneri Enzo, Pramauro Edmondo, 2nd Euchems Chemistry Congress, September 16-20, 2008, Torino, Italy
5. Valorisation of Biomass Wastes as Sources of Environmentally Friendly Chemical Products. V. Boffa, E. Montoneri, P. Savarino. XVII Congresso Nazionale di Chimica Industriale, 30 Giugno - 3 Luglio 2008, Genova, Italy, Atti del Congresso ACQ-C05
6. Urban refuses as low entropy renewable source of products for the chemical industry. V.Boffa, E. Montoneri, G. Musso, D.G. Perrone, P. Savarino. XVII Congresso Nazionale di Chimica Industriale, 30 Giugno - 3 Luglio 2008, Genova, Italy, Atti del Congresso EGC-P04
7. New Biosurfactants Isolated from Biomass Wastes with Friendly Environmental Impact for the Chemical Industry. E. Montoneri, V. Boffa and P. Savarino. Cesio 2008, 7Th World Surfactant Congress, 22-26 June 2008, Palais de Congres, Paris, France
8. Urban wastes as sources of valuable chemicals for sustainable development: surfactants, dispersing polymers and polyelectrolytes of biological origin. V. Boffa, E. Montoneri, R. Mendichi, M.R. Chierotti, R. Gobetto, C. Medana and E. Prenesti[4]. International Journal of SustainableDevelopment and Planning 2008, in the press.
9. Humic acid-like matter isolated from green urban wastes. Part II: performance in chemical and environmental technologies. Enzo Montoneri, Piero Savarino, Stefano Bottigliengo, Giorgia Musso, Vittorio Boffa, Alessandra Bianco Prevot, Debora Fabbri and Edmondo Pramauro, Bioresources 2008, 3(1), 217-233.
10. Use of biosurfactants from urban wastes compost in textile dyeing and soil remediation. E. Montoneri, V. Boffa, P. Savarino, F. Tambone, F. Adani, L. Micheletti, C. Gianotti, R. Chiono. Waste Management 2009, 29, 383–389, DOI information: 10.1016/j.wasman.2008.01.011, available on line http://dx.doi.org/10.1016/j.wasman.2008.01.011
11. Humic acid-like matter isolated from green urban wastes. Part I: structure and surfactant properties. Enzo Montoneri, Vittorio Boffa, PierLuigi Quagliotto, Raniero Mendichi, Michele R. Chierotti, Roberto Gobetto and Claudio Medana, Bioresources 2008 3(1), 123-141.
12. Integrated processes for treating biomass wastes. developing biorefinery concepts. E. Montoneri, P. Savarino, S. Bottigliengo, M. Biasizzo, P.L. Quagliotto, G. Viscardi, V. Boffa, A. Bianco Prevot, D. Fabbri and E. Pramauro. 11th International Waste Management and Landfill Symposium, 1-5 October 2007, S. Margherita di Pula (CA), Sardinia, Italy. Abstract Volume, p.467, Sardinia 2007 proceedings and CD containing full papers available from Eurowaste Srl, Padova, Italy, eurowaste@tin.it

13. Upgrading Biomass Wastes in Chemical Technology. Humic Acid-like Matter Isolated from Compost as Chemical Auxiliary for Textile Dyeing. Piero Savarino, Enzo Montoneri, Miriam Biasizzo, Pierluigi Quagliotto, Guido Viscardi and Vittorio Boffa. Journal of Chemical Technology & Biotechnology, 2007, 82, 939–948.
14. Proton conductivity of poly(dialkyl)phosphazenes-phosphoric acid composites at low humidity. Giovanni Dotelli, Maria C. Gallazzi , Matteo Bagatti, Enzo Montoneri and Vittorio Boffa, Solid State Ionics, 2007, 178, 1442-1450
15. Biomassa come Risorsa Rinnovabile di Prodotti ed Ausiliari Chimici Industriali, Enzo Montoneri e Vittorio Boffa**,** La Chimica e l'Industria, 2007, July/august, p. 126-132
16. Biomass Wastes as Renewable Source of Energy and Chemicals for the Industry with Friendly Environmental Impact. E. Montoneri, P. Savarino, S. Bottigliengo, P.L. Quagliotto, G. Viscardi, V. Boffa, A. Bianco Prevot, D. Fabbri and E. Pramauro. Proceedings of the First Conference on Environmental Management, Engineering, Planning and Economics (CEMEPE 2007), P260, Skiatos, June 24-28, 2007.
17. Biomass Wastes as Renewable Source of Energy and Chemicals for the Industry with Friendly Environmental Impact. E. Montoneri, P. Savarino, S. Bottigliengo, P.L. Quagliotto, G. Viscardi, V. Boffa, A. Bianco Prevot, D. Fabbri and E. Pramauro. Proceedings of the Conference Italic 4 Science & Technology of Biomass: Advances and Challenges, May 8-10, 2007, Villa Mondragone, Monte Porzio Catone (Rome, Italy), p.137-140.
18. βCyclodextrin-Disperse/Reactive Dye Complex: Synthesis and Application on Dyeing Processing. Parlati S., Barolo C., Buscaino R., Bottigliengo S. , Montoneri E., Chierotti M.R., Arrais A., Medana C. and Savarino P. Atti del Congresso Nazionale di Chimica e Tecnologia delle Ciclodestrine, Asti 6-8 maggio 2007, pag.48.
19. 4-Sulphophenylphosphonic acid: a Novel Precursor to Fabricate Polyfunctional Acid Materials Enzo Montoneri, Guido Viscardi, Stefano Bottigliengo, Roberto Gobetto, Michele R. Chierotti, Roberto Buscaino, and Pierluigi Quagliotto. Chem. Mater., **2007**, 19(10), 2671-2678.
20. Proton Conducting Organo-Inorganic Polymers and Materials. Enzo Montoneri and Vittorio Boffa., in Ionic Polymers. Roger De Jaeger and Mario Gleria ,eds. Nova Science Publishers, Inc. **2007,** Chapter 16, 767-786
21. Modification of soil humic matter after 4 years of compost application. Fabrizio Adani , Pierluigi Genevini, Giuliana Ricca, Fulvia Tambone, Enzo Montoneri. Waste Management, **2007**, 27, 319-324.
22. Unraveling the Complex Hydrogen Bonding of a Dual-Functionality Proton Conductor using Ultra-fast Magic Angle Spinning NMR. Jason W. Traer, Enzo Montoneri, Ago Samoson, Jaan Past, Tiit Tuherm, Gillian R. Goward. Chem. Mater., **2006,** 18 (20), 4747 -4754.
23. Compost effect on soil humic acid: a NMR study. Adani, F.; Genevini, P.L.; Tambone, F.; Montoneri, E. *Chemosphere* **2006**, *65*, 1414–1418.
24. Chemicals from Wastes: Compost-Derived Humic Acid–Like Matter as Surfactant. P. Quagliotto, Enzo Montoneri, F. Tambone, F. Adani, R. Gobetto, and G. Viscardi, Environ. Sci. Technol. **2006**, 40,1686-1692.
25. Effects of additives on the dyeing of polyamide fibers. Part II: methyl-β-cyclodextrin. P. Savarino, R. Buscaino, P. Piccinini, C. Barolo, E. Montoneri. Dyes and Pigments, **2006**, 69, 7-12.
26. Proton conductivity of poly(dipropyl)phosphazene-sulfonated poly[(hydroxy)propyl, phenyl]eth er-H_3PO_4 composite in dry environment. G. Dotelli, M. C. Gallazzi , G. Perfetti , E. Montoneri. Solid State Ionics, **2005**, 176/37, 2819-2827. Reference: SOSI10068.
DOI information: 10.1016/j.ssi.2005.09.008
27. Compost come risorsa rinnovabile di prodotti chimici: proprietà tensioattive ed applicazioni di acidi umici isolati da prodotti di compostaggio**.** Enzo Montoneri, Pier Luigi Quagliotto, Piero Savarino, G. Viscardi, Roberto Gobetto, Fabrizio Adani, Fulvia Tambone. 9th International Trade Fair on Material & Energy Recovery and Sustainable Development. Rimini, October

26-29, 2005. I quaderni di Ecomondo. Tecnologie innovative per l'industrializzazione del sistema ambiente. Rifiuti, Compost, Combustibili solidi di recupero. Atti dei seminari p. 27-35.

28. Proton conductivity of poly(dipropyl)phosphazene composites in dry environment. G. Dotelli, M. C. Gallazzi , G. Perfetti , E. Montoneri. International Conference on "New Proton Conducting Membranes and Electrodes for PEM FCs". Assisi (I), October 23-26, 2005. Abstract P9
29. Structure and surfactant properties of humic acid–like matter isolated from urban refuse-agricultural wastes compost. P. Quagliotto, G. Viscardi, E. Montoneri, R. Gobetto, F. Adani, F. Tambone. XVI Congresso Nazionale di Chimica Industriale, Verbania Pallanza, 14-17 Giugno 2005. Atti del Convegno p. 178-179.
30. Urban refuse-agricultural wastes composts as renewable source of ionic polymers to recycle for technological applications. P. Quagliotto, G. Viscardi, E. Montoneri, R. Gobetto, F. Adani, F. Tambone. Convegno Nazionale Società Italiana della Scienza del Suolo, Bari (I), June 21-24, 2005, Volume dei riassunti, p. 31, edited by N. Senesi and T. Miano
31. Compost humic acid–like matter as surfactant. P. Quagliotto, G. Viscardi, E. Montoneri, R. Gobetto, F. Adani, F. Tambone. European Geosciences Union General Assembly, Vienna, Austria, April 24-29, 2005. Geophysical Research Abstracts, Vol. 7, 10555, 2005. SRef-ID: 1607-7962/gra/EGU05-A-10555 © European Geosciences Union 2005. Abstract available at http://www.copernicus.org/EGU/ga/egu05/general_information.htm (meeting programme; energy, resources and the environment)
32. An IR study to investigate the structural relationship of lignin-like matter and lignosulphonates obtained from animal-vegetable wastes". E. Montoneri. Waste Management, **2005**, 25 (2), 161-169. DOI information: 10.1016/j.wasman.2004.07.005;
Special Issue - VARIREI 2003 - Edited by M. Pelino
33. "Ionic precursors containing C, N, P and S for materials research". E. Montoneri and P. J. Squattrito, Recent Res. Devel. Solid State Ionics, **2004**, 2, 393-429.
34. "P-C Bonded Polyphosphazenes". M. C. Gallazzi and E. Montoneri, in *Phosphazenes: A Worldwide Insight,* Eds. Mario Gleria and Roger De Jaeger, NOVA Science Publishers Inc. 400 Oser Avenue, Suite 1600 Hauppauge, NY 11788, USA, **2004**, Chapter 6, 121-141.
35. "Polyalkylphenyl-sulphonic acids with acid groups of variable strength from animal-vegetable wastes". E. Montoneri, F. Adani, P. L. Genevini, G. Ricca, S. Cherubini , C. Spitaleri. Waste Management, **2004**, 24/5, 513-522. DOI information: 10.1016/j.wasman.2003.09.
36. "1,10-(1-H-Imidazol-5-Yl)Decanephosphonic Acid: A New Compound With Basic And Acidic Sites To Fabricate Proton Conducting Solid Electrolytes". E. Montoneri, M. C. Gallazzi, C.Bertarelli, R. Gobetto, L. Salassa. Phosphorous, Sulfur, Silicon and Related Elements, **2004**, 179, 1737-1755.
37. "Polyalkylphosphazenes as solid proton conducting electrolytes". G. Dotelli, M. C. Gallazzi, C.M. Mari, F. Greppi, E. Montoneri and A. Manuelli. J. Mat. Sci., **2004**, 39, 6937-6943
38. "Organic Matter of Compost". E. Montoneri. Workshop Proceedings On the Role of Organic Matter in a Sustainable Agriculture, Villa Marigola, Lerici, 5-6 June, 2003, p. 84-88.
39. "Polyalkylphenyl-sulphonic acid with acid groups of variable strength from compost". E. Montoneri, P. Savarino, F. Adani, P.L.Genevini, G. Ricca, F. Zanetti and S. Paoletti. Waste Management, **2003**, 23/6, 523-535
40. "Evolution and quantitative modification of humin-like matter during high rate composting of pig faeces amended with wheat straw", P. L. Genevini, F. Tambone, F. Adani, H.M.Veeken, K.G.J. Nierop and E. Montoneri. Soil Sci. Plant Nutr. **2003**, 49-6, 785-792
41. "Poly(alkoxy-bithiophenes) sensors for organic vapours", M.C.Gallazzi, L. Tassoni, C. Bertarelli, G.Pioggia, F. Di Francesco, E. Montoneri, Sensor and Actuators B, **2003**, 88, 178-189.
42. "5-[decyl-ω-phosphonic acid]-1-H-imidazole: A New Compound With Basic And Acidic Sites To Fabricate Proton Conducting Solid Electrolytes". E. Montoneri, M. C. Gallazzi, R. Gobetto,

L. Salassa, XXI Congresso Nazionale SCI, Torino, 22-27 Giugno, 2003, Atti, Vol 2, Poster ID-CP-019.

43. "New Phosphonic Acids To Fabricate Proton Conducting Solid Electrolytes", E. Montoneri, M. C. Gallazzi, R. Gobetto, L. Salassa, IV Convegno Nazionale sulla Scienza e Tecnologia dei Materiali, Ischia Porto (NA), 29 giugno-2 luglio 2003, Atti, A72
44. "Backbone photocromic polymer: a new class of diarylethane molecules with enhanced photocromism". V. Boffa, M. Mirenda, C. Bertarelli, E. Montoneri, M.C. Gallazzi, G. Zerbi, Congresso Franco-Italiano di Chimica, Antibes 18-19 Aprile, 2002
45. "Critical parameters for product quality and yield in the polymerisation of 3,3"-didodecyl-2,2':5',2"-terthiophene", M.C.Gallazzi, C. Bertarelli, E. Montoneri, Synthetic Metals 2002, 128, 91-95.
46. 4-Fluoro-2-(phosphonomethyl)-benzenesulfonic acid monohydrate". F. Adani, E. Montoneri, P.J. Squattrito. Acta Cryst., 2000, C56, 463-464.
47. Effects of additives on the dyeing of nylon-6 with dyes containing hydrophobic and hydrophilic moieties". P. Savarino, P. Piccinini, E. Montoneri, G. Viscardi, P. Quagliotto, and E. Barni, Dyes and Pigments 2000, 47, 177-88
48. "Chromic effects and molecular weight in poly(3-alkylthiophenes)". M. C. Gallazzi, F. Toscano, and E. Montoneri, J. Mat. Sci. Letters, 1999, 18, 971-3
49. "Reactivity and effects of cyclodextrins in textile dyeing". P. Savarino, G. Viscardi, P. Quagliotto, E. Montoneri, and E. Barni, Dyes and Pigments 1999, 42, 143-7.
50. "Organosulphur Phosphorus Acid Compounds. Part 7. Preparation and Analytical Identification of Difluorobenzylphosphono-sulphonic acid". E. Montoneri, P. Savarino, P. Quagliotto, F. Adani, and G. Ricca, Phosphorus, Sulphur and Silicon, 1998, 134/135, 99-108.
51. "Electrochemical and spectroscopic characterisation of barium acid salts of 3,5 disulfophenylphosphonic acid". F. Adani, M. Casciola, D.J Jones, L. Massinelli, E. Montoneri, J. Rozière, and R. Vivani, J. Mater. Chem., 1998, 8(4), 961-4
52. "Reactive of Phosphazene-Siloxane Polymers for Material Chemistry". M. C. Gallazzi and E. Montoneri, Journal of Inorganic and Organometallic Polymers, 1997, 7 (4), 251-4
53. "Structural chemistry of sulfonated fluorobenzylphosphonate salts. I". A. F. Benedetto, P. J. Squattrito, F. Adani and E. Montoneri, Inorganic Chimica Acta, 1997, 260, 207-16.
54. "Protonic conductivity of layered zirconium phosphonates containing -SO_3H groups. III. Preparation and characterization of α-zirconium sulfoaryl phosphonates". G. Alberti, L. Boccali, M. Casciola, L. Massinelli and E. Montoneri., Solid State Ionics, 1996, 84, 97-104
55. "Organo-inorganic sulfonated polymers". E. Montoneri and M. Casciola, J. Inorganic and Organometallic Polymers, 1996, 6:4, 301.
56. "Structures of fluorobenzylphosphonic acid isomers and their calcium salts". K. J. Langley, P. J. Squattrito, F. Adani and E. Montoneri, Inorganic Chimica Acta, 1996, 253, 77-85.
57. "Developments in dyeing technology based on microemulsion technology". P. Savarino, G. Viscardi, P. Quagliotto, E. Montoneri and E. Barni., J. Dispersion Science and Technology, 1995, 16(1), 51-68
58. "Organosulphur Phosphorus Acid Compounds. Part 6. Preparation and Analytical Identification of Fluorobenzylphosphono-disulphonic Acids". E.Montoneri, P. Savarino, F. Adani and G. Ricca, Phosphorus, Sulphur and Silicon, 1995, 106, 37-4.
59. "Hydrolysis of tannery wastes to protein meal for animal feedstuffs: a process and product evaluation". E. Montoneri, G. Rizzi, A. Rizzi, A. Mordenti, A. Bauli, M. Riolfatti and L. Pellegrini, J. Chem. Tech. Biotechnol., 1994, 59, 91-9.
60. "Organosulphur Phosphorus Acid Compounds. Part 5. Biphenyl-4,4'-diphosphono-2,6,2'-trisulphonic acid. E. Montoneri, G. Viscardi, G. Ricca and M.C. Gallazzi, Phosphorus, Sulphur and Silicon, 1994, 86, 123-8.
61. "Organosulphur Phosphorus Acid Compounds. Part 4. Fluorobenzylphosphono-sulphonic acid". E. Montoneri, P. Savarino, G. Viscardi and M. C. Gallazzi, Phosphorus, Sulphur and Silicon,

1994, 86, 145-155.
62. "Polydimethylphosphazene as material for new organo-inorganic separation membranes". M. C. Gallazzi, E. Montoneri, P. Savarino, F. Bianchi and L. Di Landro, J. Material Science Letters, 1993, 12, 436
63. "Vegetable composts for sea water uranium extraction". A. Marzotto, E. Montoneri, P. Savarino, G. Viscardi and U. Croatto, J. Chem. Tech. Biotechnol., 1993, 58, 215.
64. "Polydimethylphosphazene as material for new organo-inorganic separation membranes". M. C. Gallazzi, E. Montoneri, P. Savarino, F. Bianchi and L. Di Landro, J. Material Science Letters, 1993, 12, 436
65. "Assembled systems X-azolopyridine - Quinoline. Bases and Salts". P. Savarino, G. Viscardi, E. Barni, G. Di Modica, E. Montoneri and P. Quagliotto, J. Heterocyclic Chem., 1992, 29, 185-92
66. "Heterocyclic intermediates for the synthesis of disperse and cationic dyes". G. Viscardi, P. Savarino, E. Barni, R. Carpignano, E. Montoneri, P. Quagliotto, J. Heterocyclic Chem., 1992, 29, 835-9
67. "Relationship between spectroscopic and voltametric parameters of azobenzene dyes". P. Savarino, G. Viscardi, E. Barni, E. Montoneri and P. Quagliotto, Dyes and Pigments, 1992, 20, 1-11
68. "Senescence and colour variation in Serena rose". E. Accati, E. Barni, M. Lavagno, E. Montoneri and P. Savarino, Advances in Horticultural Science, 1992, 6, 155-9.
69. "Protonic conductivity of layered zirconium phosphonates containing -SO_3H groups. I. Preparation and characterization of a mixed zirconium phosphonate of composition $Zr(O_3PR)_{0.73}(O_3PR')_{1.27}$ n H_2O, with R = -$C_6H_4SO_3H$ and R' = -CH_2OH". G. Alberti, M. Casciola, U. Costantino, A. Peraio and E. Montoneri, Solid State Ionics, 1992, 50, 315-22.
70. "Structure and molecular weight of catenapoly(phenoxy, sulphophenoxy-λ^5-phopshazenes) obtained from catenapoly(diphenoxy-λ^5-phosphazene) in very strong acid medium". E. Montoneri, P. Savarino, M. C. Gallazzi, M. Gleria and F. Minto, J. Inorganic and Organometallic Polymers, 1992, 2, 421-30.
71. "Fosfazeni: Chimica e Applicazioni". M. Gleria, E. Montoneri, G. Fantin and F. Minto, Quinto Seminario di Chimica Inorganica e Metallorganica, Gargnano, 4-7 maggio 1992.
72. "Fosfazeni: Chimica e Applicazioni". M. Gleria, E. Montoneri, G. Fantin and F. Minto, Ricerca Scientifica ed Educazione Permanente, Supplemento n. 88, 1992, 295.
73. "High Temperature Sulphonation of Benzene Phosphonic Acid in Liquid Sulphur Trioxide". E. Montoneri, Phosphorus, Sulphur and Silicon, 1991, 55, 201-4.
74. "Organosulphur Phosphorus Acid Compounds. Part II. Ethanephosphonic, 2-Sulphonic Acid". E. Montoneri and G. Ricca, Phosphorus, Sulphur and Silicon, 1991, 55, 111-5.
75. "Complexes of Hexaphenoxycyclotriphosphazene and Sulphur Trioxide". E. Montoneri, G. Ricca, M. Gleria and M.C. Gallazzi, Inorganic Chemistry 1991, 30, 150.
76. "Organo-inorganic composite membranes: a mathematical modelling approach to the solid-liquid interaction properties of asbestos in its composites". E. Montoneri, P. Savarino, L. Pellegrini and G. C. Pappallardo, J. Material Science, 1991, 26 (10), 2557.
77. "Acid Organo-Inorganic Polymers". E. Montoneri, Seminar at Department of Chemistry, Virginia Commonwealth University, Richmond, Virginia, USA, August 5, 1990
78. "Organosulphur Phosphorus Acid Compounds. I: Meta-sulphophenyl Phosphonic acid". E.Montoneri, M.C.Gallazzi, M.Grassi, J. Chem. Soc., Dalton Transaction, 1989, 1819-23.
79. "Procedimento per il recupero di proteine per uso umano e zootecnico da prodotti, sottoprodotti e scarti di tutte le lavorazioni di macellazione e del pescato, nonchè della concia e lavorazione delle pelli". G. Rizzi, A. Rizzi, M. Riolfati and E. Montoneri, TAS Italian Patent, n. 1210112, September 6, 1989.
80. "Solid state structure and solution conformation of 2,2,4,4,6,6-hexa(p-

chlorophenoxy)cyclotriphosphazatriene. X-ray and dipole moment studies". G.Bandoli, U.Casellato, M.Gleria, A.Grassi, E.Montoneri, G.C.Pappalardo, J.Chem.Soc., Dalton Transaction, 1989, 757.

81. "Solid State Structure of 2,2,4,4,6,6-Hexa(-ß naphtyloxy)cyclophosphazatriene and Dipole Moments of Hexa(aryloxy)cyclophosphazatrienes". G.Bandoli, M.Gleria, A.Grassi, E.Montoneri, G.C.Pappalardo, Z. Naturforsh, 1989, 44b, 575.
82. "Molecular determinants For drug-receptions. Part 12: X-ray crystal structure, dipole moment and theoretical molecular orbital study of the cognition activator dihydro-1H-pyrrolizine-3,5 (2H, 6H)-dione (Rolziracetam)". G.Bandoli, A.Grassi, C.Liegeois, H.Lumbroso, E.Montoneri, G.C.Pappalardo, Eur. J. Med. Chem.-Chim. Ther., 1989, 24, 81.
83. "Phosphates of tetravalent and bivalent metals". G. Alberti and E. Montoneri, Congresso "Internazionale della Società Chimica Italiana, Perugia 7-11 ottobre 1989, p. 377.
84. "Inorganic separators for water electrolysis: chemical stability and wettability of hydrophilic asbestos composites". E.Montoneri, Int.J.Hydrogen Energy, 1989, 14, 29
85. The products of the reaction of polyphenylene sulfide with sulphur trioxide and thionyl chloride". E.Montoneri, J. Polym. Sci., Part A, Polymer Chem., 1989, 27, 3043.
86. "N.M.R. Study of the solution conformation of ethanephosphonic 2-sulphonic acid". G. Ricca and E. Montoneri, Congresso Internazionale della Società Chimica Italiana, Perugia 7-11 ottobre 1989, p. 503
87. "Substituted catenapoly(phosphazenes) with phosphorus-oxygen-carbon and phosphorus-carbon bonds". E. Montoneri, M.C.Gallazzi and M.Gleria, Congresso Internazionale della Società Chimica Italiana, Perugia 7-11 ottobre 1989, p.359
88. "Acid organo-inorganic polymers with versatile solubility properties: catenapoly(Phenoxy-sulphophenoxy-λ^5-phosphazenes". E. Montoneri, M. Gleria, G. Ricca and F. Minto, IX Congresso Italiano di Scienza delle Macromolecole, Bologna, 15-20 ottobre 1989, Atti del Congresso p. 407.
89. "On the Reaction of catenapoly(diphenoxy- λ^5-phosphazene) with sulphur trioxide". E.Montoneri, M.Gleria, G.Ricca, G.C.Pappalardo, Die Makromolekulare Chemie, 1989, 190, 191
90. "New acid polyfunctional water soluble phosphazene: synthesis and spectroscopic characterization". E.Montoneri, M.Gleria, G.Ricca, G.C.Pappalardo, J.Macromolecular Science, Chem., 1989, A26, 645
91. "Poli(alchil/aril)fosfazeni come nuove fasi stazionarie per colonne gas-cromatografiche ad alta temperatura". M. Gleria, M. Bambagiotti-Alberti, S. Coran, M.C. Gallazzi, E. Montoneri CNR Italian Patent , no. 251 89, July 14, 1989
92. "Solid-state structure and conformation of the cognition activator 3-phenoxypyridine sulphate: X-ray, two dimensional ^{1}H NMR and ^{13}C NMR, and theoretical MO-MNDO studies". G.Bandoli, A.Grassi, E.Montoneri, G.C.Pappalardo, B.Perly, J.Molecular Structure, 1988, 172, 369.
93. "High field (500 MHz) 1H NMR spectra of retionic acids and arotinoids by two-dimensional chemical shift correlation (2D) spectroscopy", B.Perly, M.Klaus, G.C.Pappalardo, E.Montoneri, Z.Naturfosh., 1988, 43b, 1072.
94. "Organo-inorganic composite membranes: a mathematical modelling approach to the solid-liquid interaction properties of asbestos in its composites". E.Montoneri, L.Pellegrini, G.C.Pappalardo, Third Ravello Symposium on "Advanced Membrane Science and Technology", October 2-7, 1988, Ravello (SA), Italy.
95. "Evaluation of asbestos composite separators in advanced water test electrolysers". E.Montoneri, J.Appl.Electrochem.,1988, 18, 280.
96. "High temperature proton conductors. Note III: solid state conductivity of calcium hydrogen phosphates at 200-400°C under steam pressure". E.Montoneri, G.Modica, G.C.Pappalardo, Solid State Ionics, 1988, 26, 203

97. "Acid phosphazenes: reactivity of nitrogen in whole heteronuclear inorganic linear and cyclic systems". E.Montoneri, M.C.Gallazzi, M.Gleria, G.Ricca, G.C.Pappalardo, RSC-SCI Joint Meeting on Heterocyclic Chemistry, Catania, 11-14 May, 1988, Abstract Edition, 016
98. "Reaction selectivity and molecular conformation in the sulphonation of phosphazenes". E.Montoneri, G.Ricca, M.Gleria, G.C.Pappalardo, "Bononiachem 88" XVI Congresso Nazionale della Società Chimica Italiana, Bologna 9-14 Ottobre, 1988, Atti, p.295
99. "Solid-state structure and conformation of the cognition activator 3-phenoxypyridine sulphate: X-ray, two dimensional ^{1}H NMR and ^{13}C NMR, and theoretical MO-MNDO studies". G.Bandoli, A.Grassi, E.Montoneri, G.C.Pappalardo, B.Perly, J.Molecular Structure, 1988, 172, 369.
100. "High field (500 MHz) 1H NMR spectra of retionic acids and arotinoids by two-dimensional chemical shift correlation (2D) spectroscopy", B.Perly, M.Klaus, G.C.Pappalardo, E.Montoneri, Z.Naturfosh., 1988, 43b, 1072.
101. Sulphonation reaction of poly [bis(phenoxy)]phosphazene". E.Montoneri, M.Gleria, G.Ricca, G.C.Pappalardo, 20^{o} Congresso Nazionale di Chimica Inorganica, Pavia, 15-18 Settembre 1987, Abstracts Edition, p. 309
102. "Sulphonation reaction of poly(organophosphazenes): a new way to water-soluble inorganic polymers". E.Montoneri, M.Gleria, G.Ricca, G.C.Pappalardo, VIII Convegno Italiano di Scienza Delle Macromolecole, Milano, 18-22 Ottobre, 1987, Riassunti delle comunicazioni poster, p.425
103. "Polyphenylene sulfide-asbestos-brucite composites. Part II: properties and performance in advanced water electrolysis". E.Montoneri, E.Ranzi, G.Modica, H.Hofmann, J.Composite Materials, 1987, 21, 690.
104. "Aromatic polymers for advanced water electrolysis. IV: behaviour of polyphenylene sulfide composite separators as a function of the asbestos support", E.Montoneri, G.Modica, C.Bowen, D.Gauthier, R.Renaud, Int.J.Hydrogen Energy, 1987, 12, 831.
105. "Polysulphone bonded polyvinylpyridinium membranes". E.Montoneri, A.M.Orlandoni, G.Modica, S.Maffi, G.C.Pappalardo, J.Applied Polymer Science, 1987, 34, 2079.
106. "Solid state high temperature reactions of calcium dihydrogen phosphate under steam pressure.Note II". E.Montoneri, G.Tieghi, G.Modica, Solid State Ionics, 1987, 24, 137.
107. "Polyphenylene sulfide sulphonic acid: processing, solid state conductivity and electrolyte transport properties". E.Montoneri, G.Modica, L.Giuffré, L.Peraldo Bicelli, S.Maffi, Int.J.Polymeric Materials, 1987, 11, 263.
108. "The copolymer of bis(thiomethyl)-pyridine and -benzene". G.Modica, S.Maffi, E.Montoneri, L.Giuffré, A.Grassi, Angewandte Chemie, 1987, 99, 149; ibid., Int.Ed.Engl., 1987, 26, 137.
109. "Sulphonation reaction of poly [bis(phenoxy)]phosphazene". E.Montoneri, M.Gleria, G.Ricca, G.C.Pappalardo, 20^{o} Congresso Nazionale di Chimica Inorganica, Pavia, 15-18 Settembre 1987, Abstracts Edition, p. 309
110. "Sulphonation reaction of poly(organophosphazenes): a new way to water-soluble inorganic polymers". E.Montoneri, M.Gleria, G.Ricca, G.C.Pappalardo, VIII Convegno Italiano di Scienza Delle Macromolecole, Milano, 18-22 Ottobre, 1987, Riassunti delle comunicazioni poster, p.425
111. High temperature proton conductors. Note I: boron and alluminum phosphates". E.Montoneri, F.J.Salzano, E.Findl, F.Kulesa, Solid State Ionics, 1986, 18-19, 994.
112. "Reinforced asbestos separators for the electrolysis of water". E.Montoneri, L.Giuffré, G.Modica, E.Tempesti, Int.J.Hydrogen Energy, 1986, 11, 233.
113. "Aromatic polymers for advanced alkaline water electrolysis III. Polysulphone - TiO_2 films". G.Modica, S.Maffi, E.Montoneri, E.Tempesti, L.Giuffré, Int.J.Hydrogen Energy, 1986, 11, 307.
114. "Asbestos-brucite-polyphenylene sulfide composites. Part I: chemical and electrochemical

degradation in hot alkali". E.Montoneri, G.Modica, S.Maffi, J.Composite Materials, 1986, 20, 504.

115."Process for the catalytic epoxidation of low molecular weight olefines, and catalysts for performing said process". E.Tempesti, L.Giuffré, G.Modica and E.Montoneri, Mira Lanza S.p.A., Italian Patent Appl. No. 85104334.9, May 22, 1985.

116."Aromatic polymers to obtain separators for the electrolysis of water". L.Giuffré, E.Montoneri, G.Modica, V.Pozzi, E.Tempesti, Synthesis of the results of the second R&D programme within the energy R&D programme of the Commission of the European Communities (1979-83) - EUR 9782 EN, 1985, 62-70 Edited by G.Imarisio, Commission of the European Communities.

117."High temperature proton conductors. Note I: boron and aluminum phosphates". E.Montoneri, F.J.Salzano, E.Findl, F.Kulesa, 5th Conference on Solid State Ionics, Lake Tahoe, USA, August 18-24, 1985.

118. "Alluminium and boron phosphates as possibile proton conductors", E.Montoneri, F.J.Salzano, L.Giuffré, International Energy Agency Task IV Workshop Electrolytic Hydrogen Production, Julich, FDR, July 14-17, 1985.

119."Possibile proton conduction in $AlPO_4$ in high pressure and high temperature steam". F.J.Salzano, E.Montoneri, International Energy Agency Task IV Workshop Electrolytic Hydrogen Production, Julich, FDR, July 14-17, 1985.

120."Separators for alkaline water electrolysis at medium temperature". L.Giuffré, G.Modica, E.Montoneri, E.Tempesti, Synthesis of the results of the 2nd R&D programme within the energy R&D programme of the Commission of the European Communities (1979-83) - EUR 9782 EN, 1985, 71-83, Edited by G.Imarisio, Commission of the European CommunitiesEUR.

121."Composite diaphragm and process for alkaline water electrolysis". G.Modica, E.Montoneri and E.Tempesti, EUR-Pat. Ref. 2112, Euroabstracts Section I, Vol. XXIII, 1985, No.11.

122."Proton conductors for water vapore electrolysis". CHES, E. Montoneri, Annual Report, BNL 51865, May 1985, page 60.

123."Aromatic polymers for advanced alkaline water electrolysis Part I: Polyphenylene sulfide and its sulphonated derivatives". L.Giuffré, E.Montoneri, G.Modica, B.M.Ho, E.Tempesti, Int. J. Hydrogen Energy, 1984, Vol.9, No.3, 179-82.

124."Polyvinylpyridine-divinylbenzene and asbestos composites". G.Modica, L.Giuffré, E.Montoneri, H.Wendt, H.Hofmann, Polymer, 1984, 25, 1513.

125."The copolymer of 2,5-thienylene and 1,4-phenylene sulfides: A new high temperature and alkali resistant material". L.Giuffré, E.Tempesti, E.Montoneri, C,Bonfanti, G.Modica, International Journal Hydrogen Energy, 1984, 9, 907.

126."Aromatic polymers for advanced alkaline water electrolysis. Part II: Polyphenylene Sulphonic Acid". E.Montoneri, L.Giuffré, E.Tempesti, S.Maffi, G.Modica, Int. J. Hydrogen Energy, 1984, Vol.9, No.7, 571-8.

127."Reinforced asbestos separators for the electrolysis of water". L.Giuffré, G.Modica, E.Montoneri, E.Tempesti, Proceedings of the 5th World Hydrogen Energy Conference, Toronto, Canada, July 15-20, 1984, Vol.2, pages 751-764.

128."New organo-metal polymers as potential electronic conductors",. E. Montoneri, Seminar at Applied Science Department of Brookhaven National Laboratory, Upton, Long Island, New York, April 4, 1984.

129."Diaframmi e membrane per l'elettrolisi dell'acqua". E. Montoneri, Seminar at Dipartimento di Chimica Industriale ed Ingegneria Chimica del Politecnico di Milano, July 6, 1984.

130."Organo-Metal Polymers". E. Montoneri, Seminar at the Polymer Research Institute of Brooklyn Polytecnic, New York, July 12, 1984.

131. "Aromatic Polymer for the Manufacture of Diaphragms and Membranes". E. Montoneri, Seminar at the Energy and Environmental System Division of Argonne National Laboratory, Chicago, Illinois, July 13, 1984.

132.Solid electrolytes for medium temperature steam electrolysis". E.Findl, F.Kulesa, E.Montoneri,

International Energy Agency Annex IV Workshop on Electrolytic Hydrogen Production, Toronto, Canada, July 23-25, 1984, Informal Proc. Edition compiled by A.Mezzina, Brookhaven National Laboratory, Upton, N.Y. 11973.

133. "H^+ and OH^- electrolytes for the 300°-600° range". E.Findl, F.Kulesa, E.Montoneri, 19th Annual Intersociety Energy Conversion Engineering Conference, San Francisco, CA, August 19-24, 1984.

134."Composite membranes made from polysulphone impregnated with titanium compounds". S.Maffi, G.Modica, E.Tempesti, E.Montoneri, L.Giuffré, International Energy Agency Annex IV Workshop on Electrolytic Hydrogen Production, Toronto, Canada, July 23-25, 1984, Informal Proc. Edition compiled by A.Mezzina, Brookhaven National Laboratory, Upton, N.Y. 11973.

135."The sulphonation of diphenylsulfide with SO_3 in liquid SO_2 and isolation of the 4-sulphonic acid". E.Montoneri, L.Giuffré, G.C.Pappalardo, Gazzetta Chimica Italiana, 1984, 114, 543.

136."Covalent Arylboron (III)-Molybdenum(IV) mixed oxo derivatives as new model compounds for catalytic oxigen-transfer reactions to olefins". E.Tempesti, L.Giuffré, C.Mazzocchia, G.Modica, E.Montoneri, 4th Int.Symp. on Homogeneous Catalysis, Leningrad, U.S.S.R., The U.S.S.R. Academy of Sciences, September 24-28, 1984, Abstracts Edition, Book II, 151.

137."Aromatic polymers for advanced alkaline water electrolysis Part I: Polyphenylene sulfide and its sulphonated derivatives". L.Giuffré, E.Montoneri, G.Modica, B.M.Ho, E.Tempesti, Int. J. Hydrogen Energy, 1984, Vol.9, No.3, 179-82.

138."Polyvinylpyridine-divinylbenzene and asbestos composites". G.Modica, L.Giuffré, E.Montoneri, H.Wendt, H.Hofmann, Polymer, 1984, 25, 1513.

139."The copolymer of 2,5-thienylene and 1,4-phenylene sulfides: A new high temperature and alkali resistant material". L.Giuffré, E.Tempesti, E.Montoneri, C,Bonfanti, G.Modica, International Journal Hydrogen Energy, 1984, 9, 907.

140."Aromatic polymers for advanced alkaline water electrolysis. Part II: Polyphenylene Sulphonic Acid". E.Montoneri, L.Giuffré, E.Tempesti, S.Maffi, G.Modica, Int. J. Hydrogen Energy, 1984, Vol.9, No.7, 571-8.

141."A New synthesis of butane diols from buta-1,3-diene with molecular oxygen in the presence of metaboric acid", E.Tempesti, L.Giuffré, G.Modica, E.Montoneri, Chem. and Ind., 1983, 355.

142."Ozonolysis of cis- and trans-1,4-dichlorobut-2-ene. Non concerted formation of primary ozonides". E.Tempesti, M.Fornaroli, L.Giuffré, E.Montoneri, G.Airoldi, J.Chem.Soc., Perkin I, 1983, 1319.

143."Dipole moments and configurations of triaryl acrilonitriles". D.Carbone, A.Chisari, E.Montoneri, G.C.Pappalardo, G.Scarlata, Z.Naturforsch. 1983, 38a, 90.

144."An experimental and theoretical dipole moment study of 2-chloropyridine-5-sulphonyl chloride". H.Lumbroso, E.Montoneri, G.Pappalardo, Z.Naturforsch. 1983, 38a, 1042.

145."Hot alkalis stable materials with low electrical resistance: a new composite made from porous asbestos and soluble polyphenyle sulfide". E.Montoneri, L.Giuffré, G.Modica, M.Gennuso, J.Material Sci., 1983, 18, 3311.

146."Synthesis and development of electrolytic separators for the electrolysis of alkaline water". L.Giuffré, G.Modica, E.Montoneri, E.Tempesti, Proceedings of the 3rd International Seminar on Hydrogen as an Energy Carrier, Lyon, France - May 25-27, 1983, 320-329 Publishing Co., P.O.Box 17, 3300 AA Dordrecht, Holland.

147."Electrolytic separators from asbestos cardboard: a flexible technique to obtain reinforced diaphragms or ion selective membranes". G.Modica, L.Giuffré, E.Montoneri, V.Pozzi, E.Tempesti, Int. J. of Hydrogen Energy, 1983, 8, 419.

148."The stabilization of asbestos - Note II: Chemical techniques to introduce hydrophilous and conductive sulphonic functions in asbestos electrolytic separators reinforced with aromatic polymers". E.Montoneri, L.Giuffré, G.Modica, E.Tempesti, Task IV Workshop: Advanced

Electrolytic Hydrogen Production, JRC/ISPRA, Italy, May 30 - June 1, 1983, Informal Proc. Edition compiled by A.Mezzina, Brookhaven National Laboratory, Upton, N.Y. 11973.

149."The stabilization of asbestos - Note III: characterization of vinylpyridine-divinylbenzene coated asbestos separators after 2000 hours exposure to boiling 30% KOH". G.Modica, L.Giuffré, E.Montoneri, E.Tempesti, Task IV Workshop: Advanced Electrolytic Hydrogen Production, JRC/ISPRA, Italy, May 30 - June 1, 1983, Informal Proc. Edition compiled by A.Mezzina, Brookhaven National Laboratory, Upton, N.Y. 11973.

150. "The stabilization of asbestos - Note IV: Asbestos electrolytic separators coated with soluble polyphenylene sulfide". E.Montoneri, L.Giuffré, G.Modica, R.Dellea, A.Bonfanti, Task IV Workshop: Advanced Electrolytic Hydrogen Production JRC/Ispra, Italy, May 30 - June 1, 1983, Informal Proc. Edition compiled by A.Mezzina, Brookhaven National Laboratory, Upton, N.Y. 11973.

151."Electrodic material for the electrolytic hydrogen-deuterium separation". G.Pierini, B.Spelta, L.Giuffré, G.Modica, E.Montoneri, ISE 33rd meeting, September 6-10, 1982 Lyon France, Extended Abstracts 1, 465.

152."New separators for high temperature electrolysis of alkaline water: polyphenylene sulfide and its sulphonic acid derivatives". E.Montoneri, L.Giuffré, G.Modica, E.Tempesti, ISE 33rd meeting, September 6-10, 1982, Lyon, France, Extended Abstracts 1, 428-430.

153."The vinylpyridine-divinylbenzene copolymer as coating material for asbestos electrolytic separator", G.Modica, L.Giuffré, E.Montoneri, V.Pozzi, ISE 33rd meeting, September 6-10, 1982, Lyon France, Extended Abstracts 1, 431-433.

154."Polyphenylene sulfide and its substitution derivatives as separators in alkaline water electrolysis". L.Giuffré, E.Montoneri, G.Modica, B.M.Ho, E.Tempesti, Proceedings of the 4th World Hydrogen Energy Conference, California, U.S.A., 13-17 June, 1982, Vol. I, pages 319-325.

155."A novel liquid-phase boron-catalyzed oxidation of 1,3-butadiene with molecular oxygen". L.Giuffré, E.Tempesti, E.Montoneri, C.Mazzocchia, G.Airoldi, 3rd Int.Symp. on Homogeneous Catalysis Milano, The University, August 30 - September 3, 1982, Abstract C9, 81 in the Abstract Edition by the University of Milan, Italy.

156."Problemi di catalisi omogenea". E. Montoneri. Seminario tenuto presso l'Istituto di Chimica Industriale del Politecnico di Milano March 16, 1982.

157."The nature of the CN^+ and CO^+ triple bonds: a critical approach based on $AlCl_3$-CH_3NCO interaction". E.Montoneri, L.Giuffré, M.Fornaroli, E.Tempesti, P.M.Spaziante Bulletin De La Societé Chimique de France 1982, 5-6, 211.

158."^1H- and ^{13}C-NMR spectroscopic studies of tris(phenylthio)arsine and dimethyl(phenylthio)arsine". G.C.Pappalardo, K.J.Irgolic, R.A.Pyles, E.Montoneri, Spectrochim. Acta 1982, 38a(3), 363.

159."Experimental investigation on key equipment related to alternative exhaust plasma process". G.Pierini, B.Spelta, L.Giuffré, G.Modica, E.Montoneri, Z.H.Liang, E.Tempesti, Proceedings of the 9th Symposium on Engineering Problems of Fusion Research, October 26-29, 1981, edited by Palmer House Chicago, Illinois, Volume II.

160."Electrophilic substitution reactions for the modification of polyphenylene sulphide to products idoneous for caustic electrolyzer membranes manufacture". L.Giuffré, E.Montoneri, G.Modica, B.M.Ho, The second R&D Energy programme. First meeting of water electrolysis, Bruxelles, October 20-21 1981.

161."New polymers and technology to obtain separators for industrial electrolytic cells". E. Montoneri, Conference at Chemistry Department of Peking University, September 12, 1981

162."Electrocatalysis in relation to the preparation structure and performance of spinel semiconducting oxides". E. Montoneri, Conference at Chemistry Department of Peking University, September 14, 1981.

163."Problems in solid polymer electrochemistry and efforts to develop low cost electrolytic

hydrogen cells". E. Montoneri, Conference at Chemistry Department of Peking University, September 15, 1981.

164. Topics in environmental chemistry: (a) an inexpensive procedure for the depletion of exavalent chromium from liquid wastes; (b) the photodegradation of hydrocarbon polymers; (c) fats and edible proteins from tannery houses wastes". E. Montoneri, Seminar at Chemistry Department of Peking University, September 9, 1981.

165. "The interaction between metal halides and isocyanates: a spectroscopic investigation". E.Montoneri, L.Giuffré, M.Fornaroli, E.Tempesti, P.M.Spaziante, XXII C.S.I. and 9th I.C.A.S. September 4-8, 1981, Tokyo, Japan, Abstract No.4H05 in the Abstract Edition by the Japan Society for Analytical Chemistry.

166. "Ozonolysis of cis and trans-1,4 dichloro-2-butene". E.Tempesti, M.Fornaroli, L.Giuffré, E.Montoneri, P.M.Spaziante, XXII C.S.I. and 9th I.C.A.S. September 4-8, 1981, Tokyo, Japan, Abstract No. 4H06 in the Abstract Edition by the Japan Society for Anal.Chem.

167. "On the liquid phase chlorination of acetic acid: a mechanistic approach". L.Giuffré, E.Montoneri, E.Tempesti, V.Pozzi, La Chimica e l'Industria 1981 (2), 63, 85.

168. "On the thermal rearrangement of cupric benzoate to phenyl benzoate and phenol via o-benzoyloxy-benzoic acid". L.Giuffré, E.Tempesti, E.Montoneri, F.Finelli, M.Beretta, Gazzetta Chimica Italiana 1981, 111, 227.

169. "A new non-decarboxylative oxidation of aliphatic carboxylic acids by bivalent copper". L.Giuffré, E.Montoneri, M.Fornaroli, E.Tempesti, C.Bossi, Nouveau Journal de Chimie, 1981, 5, 353.

170. "Conformational preferences of 3,3' dithienyl-methane". V.Galasso, E.Montoneri, G.Pappalardo, J.Mol.Structure 1981, 76, 43.

171. "Keto-Enol equilibria in mixed acetic-sulphuric anhydrides". E.Montoneri, E.Tempesti, L.Giuffré, A.Castoldi, J.Chem.Soc. Perkin II, 1980, 662.

172. "Base-catalyzed SO_2-induced allylic oxidation of cyclohexene with molecular oxygen". E.Tempesti, E.Montoneri, L.Giuffré, G.Airoldi, J.Org.Chem. 1980, 45, 4278.

173. "Carboxylic acid and anhydrides in H_2O-H_2SO_4 and SO_2-SO_3 systems". E.Montoneri, E.Tempesti, L.Giuffré, XXIth C.S.I. - 8th I.C.A.S., Cambridge England, July 1-6 1979, Abstract No.P85 in the Abstract edition by the University of Cambridge.

174. "The sulphonation of cyclohexanecarboxylic acid with oleum in chlorobenzene: competitive kinetics effects". E.Tempesti, G.Buzzi Ferraris, G.Airoldi, E.Montoneri, La Chimica e l'Industria 1978, (5), 60, 401.

175. "The interaction of some hindered phenols with caprolactam: a spectroscopic investigation". M.Fornaroli, E.Montoneri, E.Tempesti, L.Giuffré, G.Sioli, Gazzetta Chimica Italiana 1978, 108, 539.

176. "Association equilibria between o-substituted phenols and lactam". L.Giuffré, E.Tempesti, E.Montoneri, G.Sioli, M.P.Spaziante, XX Colloquium Spectroscopicum Internationale (C.I.S.) and 7th Conf. on Atomic Specroscopy (I.C.A.S.), Prague 1977, Agosto 30 - Settembre 9 Abstract No.329 from tha Abstract Edition by Czech.Acad. of Science and Tech.Univ. of Chem. and Tech., Prague.

177. "The nature of the H_2O-H_2SO_4 system". L.Giuffré, G.Sioli, M.P.Spaziante, E.Tempesti, E.Montoneri, XX Colloquium Spectroscopicum Internationale (C.S.I.) and 7th Int.Conf. on Atomic Spectroscopy (I.C.A.S.), Prague 1977, Agosto 30 - Settembre 9, Abstract N.327 from the Abstract Edition by Czech.Acad. of Science and Tech.Univ. of Chem. and Tech., Prague.

178. "Dicyclohexanecarbonylsulphate: a precursor of cyclohexyloxocarbenium ions". E.Montoneri, L.Giuffré, M.Cassago, E.Tempesti, M.Fornaroli, Canadian Journal Chemistry 1977, 355.

179. "A spectroscopic investigation on selective extraction of caprolactam by o-alkylphenol from acidic media". M.Fornaroli, P.Senni, L.Giuffré, R.Mattone, G.Sioli, E.Tempesti, E.Montoneri, VII National Conf. on Spectroscopy Slantechv Bryas, Bulgary, September 25-29, 1976, Abstract Edition by Univ. of Sofia, p.502.

180. "The low temperature behaviour of carboxilic anhydrides toward sulphur trioxide". E.Montoneri, L.Giuffré, E.Tempesti, M.Fornaroli, G.Sioli, VII National Conference on Spectroscopy with foreign guests partecipation, Slantchev Bryas, Bulgary, September 25-29, 1976, Abstract Edition by Univ. of Sofia, p.503.
181. "An investigation into the kinetics of reaction between cyclohexanecarboxylic acid and oleum". E.Tempesti, L.Giuffré, G.Buzzi Ferraris, G.Sioli, G.Serena, E.Montoneri, La Chimica e l'Industria 1976, 247.
182."Equilibria and reactions of acetylsulphuric acid in liquid sulphur dioxide". E.Montoneri, M.Fornaroli, L.Giuffré, E.Tempesti, G.Sioli, J.Chem.Soc., Perkin II, 1976, 1785.
183."The behaviour of the acetic acid-sulphur trioxide system". E.Montoneri, M.Fornaroli, L.Giuffré, E.Tempesti, G.Sioli, Euchem Conference, Padova, Settembre 1-5, 1975, Abstract No.31 in the abstract edition by the Univ. of Padova, Italy.
184."A new caprolactam process from toluene developed by SNIA". L.Giuffré, E.Tempesti, M.Fornaroli, G.Sioli, R.Mattone, E.Montoneri , Chemical Industry Developments 1974, 27.
185.Studio del sistema H_2O-H_2SO_4 mediante misure di risonanza magnetica nucleare". M.Fornaroli, G.Sioli, L.Giuffré, E.Tempesti, E.Montoneri, La Chimica e l'Industria 1973, 365.