

## CURRICULUM VITAE

<b>Informazioni personali</b>	
Nome e Cognome	Mario Anastasia
Data di nascita	4-06-1943
Qualifica	Professore Ordinario BIO-10 (Biochimica)
<b>Attività didattica</b> (aa 2012/2013) <i>Corsi di Laurea Magistrale Corsi di Laurea Triennale Scuole di Specializzazione Corsi/Scuole di Dottorato</i>	<i>Corsi di Laurea Magistrale:</i> Medicina e Chirurgia, Odontoiatria e protesi dentaria (Materiali dentari). <i>Corsi di Laurea Triennale</i> Dietistica Tecnici di Laboratorio Biomedico <i>Scuole di Specializzazione</i> Biochimica Clinica Docente e docente guida nella Scuola di dottorato in Biochimica
Partecipazione all'attività di organi di gestione dell'Ateneo/Facoltà	Commissione esame di ammissione Odontoiatria e Medicina e Chirurgia; Presidente del corso di laurea in tecniche di laboratorio biomedico
Collaborazioni nazionali/internazionali	Membro della Giuria Internazionale delle Olimpiadi della Chimica
<b>Attività scientifica</b>	
Principali linee di ricerca (max 250 parole)	<p><i>1) studi di composti steroidici aventi attività biologica.</i></p> <p>a) sintesi di steroidi a configurazione non naturale in quanto potenziali inibitori della biosintesi del colesterolo</p> <p>b) sintesi e studi sul meccanismo di azione di composti steroidici correlabili strutturalmente al brassinolide, ormone che stimola la crescita dei vegetali.</p> <p><i>2) studi nel campo dei derivati glucopiranosidici.</i></p> <p>a) messa a punto di nuovi metodi sintetici di applicabilità generale per l'ottenimento di C-glicosidi, in particolare C-glucopiranosidi, potenziali inibitori enzimatici.</p> <p>b) sintesi di C-glucosidi antrachinonici, questi studi hanno permesso di mettere a punto la prima sintesi totale dell'acido Carminico, un antico colorante naturale, attualmente utilizzato come colorante alimentare.</p> <p>c) sintesi di O-, N-, C- e S-glucosidi analoghi ed omologhi dell' etoposide, un inibitore della DNA topoisomerasi II, di uso clinico come antitumorale</p> <p><i>3) studi sui prodotti della perossidazione lipidica.</i></p> <p>Sintesi di diversi prodotti finali della perossidazione lipidica. Si è chiarito quali devono essere i requisiti strutturali delle aldeidi prodotte nella perossidazione lipidica per indurre l'attivazione dei Heat-Shock Genes e quindi la sintesi delle Heat-Shock Proteine in cellule HeLa.</p> <p><i>4) studi sulla sintesi della desossipiridinolina e della piridinolina, due marker biochimici del riassorbimento</i></p>

	<p><u>osseo.</u> Sono state ottenute le prime sintesi della desossipiridinolina, della piridinolina, della galattosil-piridinolina e della glucosil-galattosil-piridinolina importanti biomarker del turnover del collagene.</p> <p>5) <u>Studi su derivati dell'acido sialico a.</u> Sono stati sintetizzati diversi analoghi ed omologhi dell'acido sialico (Neu5Ac) con potenziale attività antivirale, in quanto potenziali inibitori delle neuraminidasi virali</p>	
Numero totale di pubblicazioni	143	
Numero di pubblicazioni su riviste indicizzate (PubMed)	134	
Impact Factor totale (calcolato utilizzando il più recente disponibile)	354.402	
H-Index (database Scopus)	(facoltativo)	
Numero totale di citazioni	(facoltativo)	
<b>Elenco delle pubblicazioni degli ultimi 5 anni*</b>		<b>IF 2010</b>
	1) Rota P., Allevi P., Colombo R., Costa M.L., Anastasia M. "General and chemoselective N-transacylation of secondary amides by means of perfluorinated anhydrides" <i>Angew. Chem. Int. Ed.</i> 49, 1850-1853, <b>2010</b> .	12,730
	2) Rota P., Allevi P., Mattina R., Anastasia M. "Reaction of N-acetylneuraminic acid derivatives with perfluorinated anhydrides: a short access to N-perfluoroacylated glycals with antiviral properties" <i>Org. Biomol. Chem.</i> 8, 3771-3776, <b>2010</b> .	3.451
	3) Allevi P., Rota P., Scaringi R., Colombo R., Anastasia M. "Chemoselective synthesis of sialic acid 1,7-lactones" <i>J. Org. Chem.</i> 75, 5542-5548, <b>2010</b> .	4.002
	4) Rota P., Allevi P., Costa M.L., Anastasia M. "High yielding N-transacylation of secondary amides in acids labile molecules by the action of perfluorinated anhydrides in presence of a mild base" <i>Tetrahedron-Asymmetry</i> 21, 2681-86, <b>2010</b> .	2.484
	5) Allevi P., Anastasia M., Costa M.L., Rota P. "Two procedures for the syntheses of labeled sialic acid and their 1,7-lactones" <i>Tetrahedron-Asymmetry</i> 22, 338-344, <b>2011</b> .	2,484
	6) Rota P., Agnolin, I.S., Allevi P., and Anastasia M. "Facile Distereoselective Entry to 4 $\beta$ -acetamidation of Neu5Ac2en Glycals using Their N-perfluoroacylated Congeners as Key Tools" <i>European Journal of Organic Chemistry</i> , 13, 2508-2510, <b>2012</b> .	3,34
	7) Rota P., Allevi P., Agnolin, I.S., Mattina, R., Papini N., and Anastasia M. "A simple synthesis of N-perfluoroacylated and N-acylated Glycals of neuraminic acid with a cyclic aminic substituent at the 4 $\alpha$ -position as possible inhibitors of sialidases" <i>Organic and Biomolecular Chemistry</i> , 10, 2885-2894, <b>2012</b> .	4.194



	8) Agnolin, I.S., Rota P., Allevi P., Gregorio A., and Anastasia M. "Simple and rapid procedure for the synthesis of 5-Acylated 4 $\beta$ -Acylamido and 4 $\beta$ - acetoxynuraminic acid Glycals" <i>European Journal of Organic Chemistry</i> 13, 6537-6547, <b>2012</b> .	3,34
	9) Anastasia, L., Rota P., Anastasia M., Allevi P. "Chemical Structure, Biosynthesis and Synthesis of Free and Glycosylated Pyridinolines, Formed by Cross-Lik of Bone and Sinovium Collagen" <i>Org. Biomol. Chem.</i> 11(35) 5747-5771, <b>2013</b> .	3.57
	10) Allevi P., Rota P., Agnolin, I.S.; Gregorio, A., Anastasia, M. "A simple synthetic access to differently 4-substituted Neu5Ac2en glycals combining elements of molecules with anti neuraminidase activity, <i>Eur. J. Org. Chem.</i> 14, 4065-4077, <b>2013</b> .	3.34
	<b>TOTALE IF ultimi 5 anni</b>	42,88
<b>Testi didattici</b>	<b>Chimica di base per le scienze della vita: Editore Delfino Roma</b> <b>2 volumi: Chimica generale con elementi di inorganica e Chimica organica con propedeutica biochimica, prima edizione 1999.</b> <b>Materiali Dentari Ed. Delfino Roma, prima edizione 2000</b>	
<b>Premi e riconoscimenti</b>	Medaglia d'oro "Domenico Marotta" 2006, dalla Società Chimica Italiana, SCI. Medaglia d'Argento 2008 della Sezione Didattica della Società Chimica Italiana. Membro della Giuria delle Olimpiadi Internazionali della Chimica dal 1996.	
<b>Incarichi Accademici</b>	E' stato vicedirettore e quindi Direttore del Dipartimento di Chimica, Biochimica e Biotecnologie per la Medicina dal 1997 al 2002 e dal 2003 al 2008, rispettivamente. Ha fatto parte della commissione per la programmazione della Facoltà di Medicina e Chirurgia negli AA 2002-3 all'AA 2007-8, quale rappresentante eletto dei Direttori di Dipartimento.	
	Dall'AA 2007 all'AA 2013 è stato presidente del Consiglio del Corso di Laurea in Tecniche di Laboratorio Biomedico. Dall'AA 1986 al 2011 è stato presidente della commissione dell'esame di ammissione al corso di laurea di odontoiatria.	

Alcino Occhetto

Alcino Occhetto

Medora, 2 settembre 2015

No

## ELENCO COMPLETO DELLE PUBBLICAZIONI del Prof Mario Anastasia

1. Pollini G.P., Negri U., Mancini V. e Anastasia M. "Sulla Reattività del 6-Metossi-5-Metil-1-Tetralone e di alcuni suoi Derivati" *Farmaco*, 11, 822 (1966). Tesi di Laurea. **I.F.(2002) 0,790**
2. Pollini G.P., Barco A. e Anastasia M. "Sulla Preparazione del 2-Metil-Ciclopentan-1,3-Dione" *La Chimica e l'Industria*, 49, 285 (1967).
3. Pollini G.P., Barco A., Anastasia M. and Traverso G. "A Method for the Cleavage of Cyclic Ethylene Thiochetals by Mercuric Acetate" *Farmaco*, 4, 405 (1968). **I.F.(2002) 0,790**
4. Pollini G.P., Anastasia M., Traverso G. e Barco A. "Sulla Sintesi del 4-Metil-Ciclopenten-2-en-one-1" *Ann. Chim.*, 59, 250 (1969).
5. Barco A., Anastasia M. e Pollini G.P. "Sulla Riduzione con Nichel-Raney dell'Ossalil Ciclopentanone e dell'Ossalil Cicloesanone e di loro Derivati" *La Chimica e l'Industria*, 51, 165 (1969).
6. Barco A., Pollini G.P., Anastasia M., Taddei F. e De Giuli G. "Sulla Sintesi di Sistemi Biciclici della Classe del 3,2,0 Eptano" *Gazz. Chim. Ital.*, 99, 735 (1969). **I.F.(1999) 0,891**
7. Traverso G., Pollini G.P., Barco A., Anastasia M. e Bothner-By A.A. "Esperimenti di Sintesi dell'Isoclovene" *Gazz. Chim. Ital.*, 99, 863 (1969). **I.F.(1999) 0,891**
8. Traverso G., Barco A., Pollini G.P., Anastasia M., Sticchi V. e Pirillo D. "Un Nuovo Metodo di Sintesi di Butirrolattami Sostituiti" *Farmaco*, 11, 946 (1969). **I.F.(2002) 0,790**
9. Traverso G., Pollini G.P., De Giuli G., Barco A. e Invernizzi G. (Parte Sperimentale: Maggi D.L. e Anastasia M.) "Sulla Disidratazione di Aciloini Ciclopentanici Metil Sostituiti" *Gazz. Chim. Ital.*, 101, 225 (1971). **I.F.(1999) 0,891**
10. Anastasia M. e Ponti P. "Tutte le Voci di Chimica Organica (dalla Lettera A alla Lettera Z) del Dizionario Enciclopedico di Scienza e Tecnica" *Fratelli Fabbri Editori, Milano* (1971).
11. Scala A., Galli Kienle M., Anastasia M. and Galli G. "The Reversibility of the Isomerization of the 68 to 67 Bond in Cholesterol Biosynthesis" *Eur. J. Biochem.*, 48, 263-269 (1974). **I.F. 3,579**
12. Anastasia M., Bolognesi M., Fiecchi A., Rossi G. and Scala A. "A Ready Synthesis of 17 Steroids" *J. Org. Chem.*, 40, 2006-2007 (1975). **I.F. 3,790**
13. Anastasia M., Fiecchi A. and Scala A. "A Ready Synthesis of 5,14 $\beta$ -Cholest-7-en-3 $\beta$ -ol" *J. Chem. Soc. Perk. T. 1*, 378-380 (1976). **I.F.(2004) 2,420**
14. Anastasia M., Scala A. and Galli G. "Synthesis of 14 $\beta$ -Cholest-5-en-3 $\beta$ -ol" *J. Org. Chem.*, 41, 1064-1066 (1976). **I.F. 3,790**
15. Galli Kienle M., Cighetti G., Anastasia M. and Galli G. "14 $\beta$ -Cholest-5-en-3 $\beta$ -ol, a Model Molecule in Studies on the Stereochemical Aspects of Cholesterol Catabolism Reactions" *Ital. J. Biochem.*, 25, 183-184 (1976). **I.F.(2000) 0,083**
16. Galli Kienle M., Anastasia M., Cighetti G., Manzocchi A. and Galli G. "Inversion of the Unnatural cis C/D Sterol Ring Junction of 5,14 $\beta$ -Cholest-7-en-3 $\beta$ -ol by Rat Liver Enzymes" *Eur. J. Biochem.*, 73, 1-6 (1977). **I.F. 3,579**
17. Anastasia M., Cighetti G. and Manzocchi Soave A. "Reactions of Steroidal 8 $\alpha$ ,9 $\alpha$ - and 8 $\alpha$ ,14 $\alpha$ -Epoxy-7-Ketones with Acetic Acid" *J. Chem. Soc. Perk. T. 1*, 427-429 (1977). **I.F.(2004) 2,420**
18. Anastasia M., Fiecchi A., Cighetti G. and Galli G. "Synthesis of Cholestanes Containing an Oxygenated 14-Methyl Group" *J. Chem. Soc. Perk. T. 1*, 700-702 (1977). **I.F.(2004) 2,420**
19. Anastasia M. and Ronchetti F. "Mechanism of 14 $\beta$ -Hydroxylation in the Biosynthesis of Cardenolides: Role of 14 $\beta$ -Cholest-5-en-3 $\beta$ -ol" *Phytochemistry*, 1082 (1977). **I.F. 2,417**
20. Anastasia M., Fiecchi A., Galli Kienle M., Scala A., Bolognesi M. and Rossi G. "Structure of Tetrahydrophibolin A: A Stable Enol of a Simple Aldehyde" *Proc. 11th International Symposium on the Chem. of Nat. Product 1*, 108-111 (1978).
21. Anastasia M., Fiecchi A. and Scala A. "A New Approach to Cholestan-3 $\beta$ ,11,15,triol-7-one, a



- Key Intermediate in the Synthesis of Steroidal Moiety of Oogoniols" *11th International Symposium on Chem. of Nat. Product* 3, 138-141 (1978).
22. Galli Kienle M., Anastasia M., Cighetti G., Fiecchi A. and Galli G. "Formation of Oxygenated Sterols in the Removal of the 14 $\alpha$ -Methyl Group in Cholesterol Biosynthesis" *11th Int. Symp. on Chem. of Nat. Product* 1, 171-174 (1978).
  23. Anastasia M., Manzocchi Soave A. and Scala A. "Acid-Catalysed Backbone Rearrangement Involving the C-D Ring Junction in Normal Steroid Series" *J. Chem. Soc. Perk. T. 1*, 1131-1132 (1978). **I.F.(2004) 2,420**
  24. Anastasia M., Fiecchi A. and Scala A. "Side Chain Inversion of Steroidal Olefins Promoted by Hydrogen Chloride" *J. Org. Chem.*, 43, 3505-3508 (1978). **I.F. 3,790**
  25. Galli Kienle M., Cighetti G., Anastasia M. and Sirtori C.R. "Esterification, Lipoprotein Binding and Excretion of the 14 $\beta$ -Stereoisomer of Cholesterol" *J. Steroid Biochem.*, 9, 127-130 (1978). **I.F. 2,825**
  26. Anastasia M., Fiecchi A. and Scala A. "Epoxidation of 7-Double Bond of Cholesta-5,7-dien-3 $\beta$ -ol by Permanganate" *Tetrahedron Lett.*, 35, 3323-3326 (1979). **I.F. 2,509**
  27. Anastasia M., Fiecchi A. and Scala A. "A Novel Synthesis of 3 $\beta$ -Hydroxy-5 $\alpha$ -Cholest-8(14)-En-15-One" *J. Chem. Soc. Perk. T. 1*, 1821-1824 (1979). **I.F.(2004) 2,420**
  28. Anastasia M. and Derossi M. "Retro-1,4-Cycloaddition of Adducts Derived from Steroidal 5,7-dienes and 4-Phenyl-1,2,4-Triazoline-3,5-Dione" *Chem. Commun.*, 164 (1979). **I.F. 4,521**
  29. Anastasia M., Fiecchi A. and Scala A. "Synthesis of (24R)-and (24S)-3 $\beta$ ,29-Dihydroxystigmast-7-ene, a Model for the Side Chain of Oogoniol" *Chem. Commun.*, 858-859 (1979). **I.F. 4,521**
  30. Anastasia M., Fiecchi A., Gariboldi P. and Scala A. "A New Approach to 3 $\beta$ ,11,15-Trihydroxy-5-cholestan-7-one, a Key Intermediate in the Synthesis of the Steroidal Moiety of Oogoniols" *J. Org. Chem.*, 44, 4447-4449 (1979). **I.F. 3,790**
  31. Anastasia M., Galli C. G. and Allevi P. "Synthesis of 14 $\beta$ ,17 $\beta$ (H)-Cholest-5-en-3 $\beta$ -ol" *J. Org. Chem.*, 44, 4983-4986 (1979). **I.F. 3,790**
  32. Anastasia M., Fiecchi A. and Scala A. "Permanganate Oxidation of Ergosterol" *J. Org. Chem.*, 44, 3657-3661 (1979). **I.F. 3,790**
  33. Anastasia M., Fiecchi A., Gariboldi P. and Galli G. "Stereochemical Course of the Catalytic Reduction and of the Acidic Isomerization of 14 $\beta$  Steroids. Synthesis of  $\Delta^8$ -14 $\beta$  and 8 $\alpha$ ,9 $\alpha$ ,14 $\beta$  Steroids" *J. Org. Chem.*, 45, 2528 (1980). **I.F. 3,790**
  34. Galli Kienle M., Anastasia M., Cighetti G., Galli G. and Fiecchi A. "Studies on the 14 $\alpha$ -Demethylation Mechanism in Cholesterol Biosynthesis" *Eur. J. Biochem.*, 110, 93-105 (1980). **I.F. 3,579**
  35. Fuagalli R., Bernini F., Galli G., Anastasia M. and Fiecchi A. "The Identification of a Novel C27 diene, Cholesta-5,8-dien-3 $\beta$ -ol, in Tissues of Rats Given AY-9944 (Trans-1,4-Bis(2-Dichlobenzylaminoethyl) Cyclohexane) in Pregnancy" *Steroids*, 35, 665-672 (1980). **I.F. 2,849**
  36. Fiecchi A., Anastasia M., Galli G. and Gariboldi P. "Assignment of the  $\beta$  Configuration to the C-Glycosyl Bond in Carminic Acid" *J. Org. Chem.*, 46, 1511 (1981). **I.F. 3,790**
  37. Anastasia M. and Allevi P. "Sterol Synthesis: Chemical Synthesis of 3 $\beta$ -Hydroxy-5 $\alpha$ -cholest-7-ene-9 $\alpha$ -carbonitrile" *J. Lipid Res.*, 22, 370-372 (1981). **I.F. 4,357**
  38. Anastasia M. and Fiecchi A. "Stereospecific Synthesis of the Marine Sterol Stellasterol, (22E,24S)-5 $\alpha$ -Ergosta-7,22-dien-3 $\beta$ -ol" *J. Org. Chem.*, 46, 1726-1728 (1981). **I.F. 3,790**
  39. Anastasia M. and Fiecchi A. "Synthesis of Lichesterol [Ergosta- 5,8(9)22-Trien-3 $\beta$ -ol]" *J. Chem. Soc. Perk. T. 1*, 2125-2126 (1981). **I.F.(2004) 2,420**
  40. Anastasia M., Fiecchi A., Scala A. and Del Puppo M. "Synthesis of Chondrillasterol and Spinasterol [(22E,24R)- and (22E,24S)-5 $\alpha$ -Stigmasta-7,22-dien-3 $\beta$ -ol]" *J. Chem. Soc. Perk. T. 1*, 2561-2562 (1981). **I.F.(2004) 2,420**

41. Anastasia M., Allevi P., Fiecchi A. and Scala A. "15-Oxygenated Sterols by *m*-Chloroperbenzoic Acid Oxidation of 3 $\beta$ -Acetoxy-5 $\alpha$ cholesta-8,14-diene" *J. Org. Chem.*, 46, 3265-3267 (1981). **I.F. 3,790**
42. Anastasia M., Fiecchi A. and Galli G. "Synthesis of Cholesta-5,8-dien-3 $\beta$ -ol" *J. Org. Chem.*, 46, 3421-3422 (1981). **I.F. 3,790**
43. Anastasia M., Allevi P., Fiecchi A. and Scala A. "A New Route To Steroid Ring C Aromatization From Readily Available Precursors" *Lipids*, 17, 226-229 (1982). **I.F. 1,935**
44. Anastasia M., Ciuffreda P. and Fiecchi A. "A Simple Method for the Reduction of the 7,8-Double Bond of Steroidal 5,7-dienes" *Chem. Commun.*, 1169-1170 (1982). **I.F. 4,521**
45. Anastasia M., Ciuffreda P., Fiecchi A. and Galli G. "Biomimetic Reactions for the Synthesis of Sterols of Biological Interest" *J. Biochem.*, 360-361 (1982). **I.F. 1,963**
46. Anastasia M., Allevi P., Del Puppo M. and Fiecchi A. "A New Route to Ring C Benzenoid Steroids" *Ital. J. Biochem.*, 31, 358-360 (1982). **I.F.(2000) 0,083**
47. Anastasia M., Ciuffreda P., Del Puppo M. and Fiecchi A. "Synthesis of Castasterone and its 22S,23S-Isomer: Two Plant Growth Promoting Ketones" *J. Chem. Soc. Perk. T. 1*, 383-386 (1983). **I.F.(2004) 2,420**
48. Anastasia M., Ciuffreda P. and Fiecchi A. "A New Synthesis of Brassinosteroids: Plant Growth Promoting Steroids" *J. Chem. Soc. Perk. T. 1*, 379-382 (1983). **I.F.(2004) 2,420**
49. Anastasia M., Ciuffreda P., Del Puppo M. and Fiecchi A. "A New Route to Steroid Ring-C Aromatization from 7-Oxygenated Steroids" *J. Chem. Soc. Perk. T. 1*, 587-590 (1983). **I.F.(2004) 2,420**
50. Anastasia M., Allevi P., Ciuffreda P. and Fiecchi A. "A Convenient Protection of the 3 $\beta$ -Hydroxy or 3 $\beta$ -Chloro Substituent of 6-Oxo-Steroids" *Synthesis-Stuttgart*, 123-124 (1983). **I.F. 2,333**
51. Anastasia M., Allevi P., Fiecchi A., Galli G., Gariboldi P. and Scala A. "Synthesis of 11- and 15-Oxygenated Steroids. the Course of 8,14-dienes Oxidation By Chromic Acid" *J. Org. Chem.*, 48, 686-689 (1983). **I.F. 3,790**
52. Anastasia M., Allevi P., Ciuffreda P. and Fiecchi A. "Stereoselective Synthesis of Crinosterol [(22*E*,24*S*)-Ergosta-5,22-dien-3 $\beta$ -ol]" *J. Chem. Soc. Perk. T. 1*, 2365-2367 (1983). **I.F.(2004) 2,420**
53. Anastasia M., Allevi P., Brasca M.G., Ciuffreda P. and Fiecchi A. "Synthesis of (2*R*,3*S*,22*S*,23*S*)-2,3,22,23-Tetrahydroxy-B-Homo-6-Aza-5 $\alpha$ -Stigmastan-7-One, an Aza-Analogue of Brassinolide" *Gazz. Chim. Ital.*, 114, 159-161 (1984). **I.F.(1999) 0,891**
54. Cerana R., Lado P., Anastasia M., Ciuffreda P. and Allevi P. "Regulating Effects of Brassino Steroids and of Sterols on Growth and H<sup>+</sup> Secretion in Maize Roots" *Z. Pflanzenphysiol.*, 114, 221-225 (1984).
55. Anastasia M., Allevi P., Ciuffreda P., Fiecchi A. and Scala A. "Direct Trasformation of Ergosterol to (22*S*, 23*E*)-6 $\beta$ -Methoxy-3-,5-cyclo-5-ergost-23-en-22-ol. A key Intermediate for the Synthesis of Brassinolide" *J. Org. Chem.*, 49, 4297-4300 (1984). **I.F. 3,790**
56. Anastasia M., Allevi P., Ciuffreda P., Fiecchi A. and Scala A. "Synthesis of (2*R*,3*S*,22*R*,23*R*) and (2*R*,3*S*,22*S*,23*S*)-2,3,22,23-Tetrahydroxy-B-Homo-7-Oxa-5-Ergostan-7-Ones, Two New Brassinolide s Analogues" *J. Org. Chem.*, 50, 321-325 (1985). **I.F. 3,790**
57. Anastasia M., Allevi P., Ciuffreda P., Fiecchi A., Gariboldi P. and Scala A. "Conversion of Nor-Ketones into Prochiral Terminal Methylene Groups: Synthesis of (24*E*) and (24*Z*)-[28-<sup>2</sup>H]Ergosta-5,24(28)-dien-3 $\beta$ -ols" *J. Chem. Soc. Perk. T. 1*, 595-599 (1985). **I.F.(2004) 2,420**
58. Anastasia M., Allevi P., Ciuffreda P. and Oleotti A. "A Convenient Isomerization of 6-Oxo-3 $\alpha$ ,5-Cyclo-5 $\alpha$ -steroids to 6-Oxo- $\Delta^2$ -5 $\alpha$ -Steroids" *Steroids*, 561-564 (1985). **I.F. 2,849**
59. Anastasia M., Allevi P., Ciuffreda P. and Riccio R. "Configuration Assignment of 24*R* and 24*S*-Isomers of 29-Oxygenated Steroids by <sup>1</sup>H and <sup>13</sup>C NMR Spectroscopy" *Tetrahedron*, 42, 4843-4847 (1986). **I.F. 2,817**



60. Anastasia M., Allevi P., Ciuffreda P., Fiecchi A. and Scala A. "Beckmann Rearrangement of  $\Delta^4$ -6-Hydroxymino Steroids" *J. Chem. Soc. Perk. T. 1*, 2123-2126 (1986). **I.F.(2004) 2,420**
61. Anastasia M., Allevi P., Ciuffreda P., Fiecchi A. and Scala A. "Synthesis of (2R,3S,22S,23S)-2,3,22,23-Tetrahydroxy-B-Homo-7-aza-5 $\alpha$ -Stigmastan-6-One, an Aza-analogue of Homobrassinolide" *J. Chem. Soc. Perk. T. 1*, 2117-2121 (1986). **I.F.(2004) 2,420**
62. Anastasia M., Allevi P., Fiecchi A., Oleotti A. and Scala A. "Stereochemical Course of the Hydroboration of Highly Hindered Steroidal Olefins. A Ready Synthesis of 14 $\beta$ - and 8,14 $\beta$ -Steroids" *Steroids*, 47, 131-141 (1986). **I.F. 2,849**
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