



PERSONAL INFORMATION

Name	ANDREA CAPPELLI
Address	Department of Biotechnology, chemistry, and pharmacy – Via Aldo Moro 2 – 53100 Siena
Phone	Tel: +39-0577-234320
Fax	
E-mail	andrea.cappelli@unisi.it
Nationality	Italian
Date of birth	27/08/1963 AT GROSSETO (ITALY)
• Position	Associate Professor

EDUCATION

1982	Technical secondary School
1987	Degree in Pharmacy , Dipartimento Farmaco Chimico Tecnologico, Faculty of Pharmacy, University of Siena, Italy
1992	PhD in Pharmaceutical Sciences , Dipartimento Farmaco Chimico Tecnologico, Faculty of Pharmacy, University of Siena, Italy

WORK EXPERIENCE

1986-1987	Home designer
1992-2005	Researcher (SSD CHIM/09) at Dipartimento Farmaco Chimico Tecnologico, Università di Siena
2005-2023	Associate Professor (SSD CHIM/09) at Dipartimento Farmaco Chimico Tecnologico, University of Siena, and then at Dipartimento di Biotecnologie, Chimica e Farmacia, University of Siena, Italy

TEACHING EXPERIENCE

2005-2023	Lecturer in Technology, Socio-economics, and Pharmaceutical Laws from Academic Year 2005-2006.
2001-2002	Lecturer in Polymers of Pharmaceutical Interest
2002-2003	Lecturer in Polymers of Pharmaceutical Interest
2003-2004	Lecturer in Polymers of Pharmaceutical Interest
2004-2005	Lecturer in Polymers of Pharmaceutical Interest
2001-2002	Lecturer in Toxicological Chemistry
2002-2003	Lecturer in Toxicological Chemistry
2003-2004	Lecturer in Toxicological Chemistry
2004-2005	Lecturer in Toxicological Chemistry
1999-2000	Lecturer in Pharmacokinetics and Drug Metabolism
2000-2001	Lecturer in Pharmacokinetics and Drug Metabolism
2003-2004	Lecturer in Pharmacokinetics and Drug Metabolism
1999-2000	Lecturer in Food Chemistry
2000-2001	Lecturer in Food Chemistry
2001-2002	Lecturer in Food Chemistry
2002-2003	Lecturer in Food Chemistry
1992-1998	Assistance to various students' laboratories in Faculty of Pharmacy, University of Siena

EDITORIAL ACTIVITIES

1995-2023

Il Prof. Cappelli has played the role of reviewer:
Archiv der Pharmazie
ACS Chemical Neuroscience
ACS Medicinal Chemistry Letters
Biomacromolecules
Biomaterials
Bioorganic & Medicinal Chemistry
Bioorganic & Medicinal Chemistry Letters
Central Nervous System Agents in Medicinal Chemistry
Chemical Communications
Chemistry, A European Journal
ChemMedChem
Current Medicinal Chemistry
Current Organic Chemistry
Current Pharmaceutical Design
Current Topics in Medicinal Chemistry
Expert Opinion on Therapeutic Patents
European Journal of Medicinal Chemistry
Journal of Biomedical Material Research Part A
Journal of Controlled Release
Journal of Medicinal Chemistry
Journal of Organic Chemistry
Macromolecular Chemistry and Physics
Macromolecular Rapid Communications
Medicinal Chemistry Communications
Mini-Reviews in Medicinal Chemistry
Life Sciences
Macromolecules
Proteins: Structure, Function, and Bioinformatics
Research in Chemical Intermediates
Tetrahedron
Tetrahedron Letters
Topics in Current Chemistry
Trends in Pharmacological Sciences

2019-2020
2020

Il Prof. Cappelli has played the role of Guest Editor for the Special Issue of Pharmaceutics entitled "Physicochemical Properties of Polymeric Micro- and Nanoparticles as Drug Carriers"
Member of the Editorial Board of Pharmaceutics

AFFILIATIONS

1990-2023
2000-2023
2005-2023
2001-2023

Società Chimica Italiana
INSTM Via G. Giusti 9 – 50121 Firenze (UdR di Siena)
American Chemical Society
Associazione Docenti Ricercatori Italiani di Tecnologie e Legislazione Farmaceutiche (ADRITELF)

SCIENTIFIC ACTIVITY

1984-2023

Polymer Science. Design, synthesis, and characterization of new dendrimers, polysaccharides, or polybenzofulvene derivatives potentially useful in the development of drug delivery systems or optoelectronic devices.

Medicinal Chemistry. Design, synthesis, and structural characterization (by means of single crystal X-ray diffraction and high-field NMR spectroscopy) of heterocyclic compounds of biological interest with special reference to the synthesis of new CNS (Serotonin 5-HT₃ receptor ligands provided with different intrinsic efficacy, Central and Peripheral Benzodiazepine receptor ligands, k-Opioid receptor agonists, and Glycine Binding Site antagonists of NMDA receptor), cardiovascular (nonpeptide Angiotensin II receptor antagonists), anti-inflammatory and antitumor agents, PET radiotracers etc.

Protein Chemistry. Design, synthesis, and application of new reagents for the site-specific functionalization of proteins.

Within these research projects, a number of collaborations have been established with research groups belonging to different organizations. These include Università di Modena, Università di

Catanzaro, Università di Palermo, Università di Trieste, Innsbruck University, Eindhoven University, Dresden University, Paris University, Ospedale San Raffaele di Milano, Istituto Mario Negri di Milano, Strasbourg CNRS, Bethesda NIH, Rottapharm of Monza, Smith Kline Beecham of Milan, ISMAC CNR of Milan, Istituto Superiore di Sanità of Rome etc.

The results of the scientific activity are published in more than 151 papers and 6 international patents.

1997-1998	Scientific responsible for a research contract with Rotta Research Laboratorium S.p.A. entitled "Sintesi di Potenziali Antagonisti 5-HT ₃ ".
1997-1998	Scientific responsible for a research contract with Rotta Research Laboratorium S.p.A. entitled "Sintesi di Nuovi Antagonisti Recettoriali Non-Peptidici della Angiotensina II".
1998-1999	Participant to the research program PRIN 1997 entitled "Progettazione, Sintesi e Valutazione Biologica di Nuovi Farmaci che Agiscono sui Sistemi Recettoriali del Sistema Nervoso Centrale".
1998-1999	Scientific responsible for a research contract with Rotta Research Laboratorium S.p.A. entitled "Sintesi di Nuovi Antagonisti Recettoriali Non-Peptidici della Angiotensina II".
2000	Scientific responsible for the research program CNR "Agenzia2000" (cod. CNRC004507_004).
2000-2001	Scientific responsible for a research contract with Rotta Research Laboratorium S.p.A. entitled "Sintesi di Nuovi Antagonisti Recettoriali Non-Peptidici della Angiotensina II".
2000-2001	Participant to the research program PRIN 1999 entitled "Progettazione, Sintesi e Valutazione Farmacologica di Nuovi Ligandi dei Recettori dei Neurotrasmettitori".
2002-2003	Scientific responsible for a research contract with Rotta Research Laboratorium S.p.A. entitled "Sintesi di Nuovi Antagonisti Recettoriali Non-Peptidici della Angiotensina II".
2002-2003	Participant to the research program PRIN 2001 entitled "Progettazione, Sintesi e Valutazione Biologica di Nuovi Ligandi dei Recettori dei Neurotrasmettitori".
2003-2004	Participant to the research program PRIN 2002 entitled "Studi Strutturali dei Domini Funzionali dei Sistemi di Trasporto degli Amminoacidi Eccitatori (EAAT). Progettazione e Sintesi di Nuovi Ligandi Specifici e Studio della Loro Interazione con i Trasportatori".
2003-2004	Participant to the research program PRIN 2003 entitled "Progettazione, Sintesi e Valutazione Biologica Preliminare di Nuovi Modulatori dei Recettori dei Neurotrasmettitori".
2005-2006	Scientific responsible for a research contract with Rottapharm S.p.A. entitled "Antagonisti della Angiotensina II".
2005-2006	Participant to the research program PRIN 2004 entitled "Sintesi di Nuovi Ligandi Specifici per la Caratterizzazione Strutturale e Funzionale del Trasportatore Umano degli Amminoacidi Eccitatori EAAT2. Sviluppo di Nuove Molecole di Interesse Farmaceutico".
2006-2007	Participant to the research program PRIN 2005 entitled "Progettazione, Sintesi e Valutazione Biologica Preliminare di Nuovi Modulatori dei Recettori del Sistema Nervoso Centrale".
2006-2007	Scientific responsible for a research contract with Rottapharm S.p.A. entitled "Nuovi Agenti Farmacologici Modulatori dell'Attività di AggreCanasi".
2007-2008	Scientific responsible for a research contract with Rottapharm S.p.A. entitled "Nuovi Agenti Farmacologici Modulatori dell'Attività di AggreCanasi".
2008-2009	Scientific responsible for a research contract with Rottapharm S.p.A. entitled "Nuovi Agenti Farmacologici Modulatori dell'Attività di AggreCanasi".
2008-2010	Participant to the research program PRIN 2007 "Progettazione e Sintesi di Nuovi Modulatori dei Sistemi Recettoriali dei Neurotrasmettitori".
2009-2010	Scientific responsible for a research contract with Rottapharm S.p.A. entitled "Sintesi di Nuovi Ligandi del Recettore 5-HT ₄ ".
2010-2011	Scientific responsible for a research contract with Rottapharm S.p.A. entitled "Sintesi di Nuovi Ligandi del Recettore 5-HT ₄ ".
2010-2011	Scientific responsible for a research contract with Rottapharm S.p.A. entitled "Sintesi di Nuove Spazzole Polimeriche Biomimetiche".
2011-2012	Scientific responsible for a research contract with Rottapharm S.p.A. entitled "Sintesi di Nuove Spazzole Polimeriche Biomimetiche".
2012-2013	Scientific responsible for a research contract with Rottapharm S.p.A. entitled "Sintesi di Nuove Spazzole Polimeriche Biomimetiche".
2013-2014	Scientific responsible for a research contract with Rottapharm S.p.A. entitled "Sintesi di Nuove Spazzole Polimeriche Biomimetiche".
2014-2015	Scientific responsible for a research contract with Rottapharm Biotech s.r.l. entitled "Sintesi di Nuove Spazzole Polimeriche Biomimetiche".
2015-2016	Scientific responsible for a research contract with Rottapharm Biotech s.r.l. entitled "Sintesi di Nuove Spazzole Polimeriche Biomimetiche".
2017-2019	Scientific responsible for a research contract with Rottapharm Biotech s.r.l. entitled "Sintesi di Nuovi Scaffold Chimici Utili all'Ottenimento di Farmaci Attivi sui Recettori delle Adipochinine e su Altri Target Molecolari Rilevanti nell'Ambito di Patologie Infiammatorie/Degenerative".
2019-2020	Scientific responsible for a research contract with Università di Milano Bicocca entitled "Sintesi e fornitura del composto denominato VC622 da utilizzare come precursore nella radiosintesi del tracciante PET VC701".

MOTHER TONGUE **ITALIAN**

OTHER LANGUAGE

English

- 2010
- A Nanocomposite Material Formed by Benzofulvene Polymer Nanoparticles Loaded with a Potent 5 HT3 Receptor Antagonist (CR3124).
A. Cappelli, S. Galeazzi, I. Zanardi, V. Travagli, M. Anzini, R. Mendichi, S. Petralito, A. Memoli, E. Paccagnini, W. Peris, A. Giordani, F. Makovec, M. Fresta, S. Vomero.
J. Nanopart. Res. 12, 895-903 (2010).
- Multivalent Supramolecular Dendrimer-Based Drugs.
S. Galeazzi, T. M. Hermans, M. Paolino, M. Anzini, L. Mennuni, A. Giordani, G. Caselli, F. Makovec, E. W. Meijer, S. Vomero, A. Cappelli.
Biomacromolecules. 11, 182-186 (2010).
- Synthesis and Biological Evaluation of Amidine, Guanidine, and Thiourea Derivatives of 2-Amino-(6-trifluoromethoxy)benzothiazole as Neuroprotective Agents Potentially Useful in Brain Diseases.
M. Anzini, A. Chelini, A. Mancini, A. Cappelli, M. Frosini, L. Ricci, M. Valoti, J. Magistretti, L. Castelli, A. Giordani, F. Makovec, S. Vomero.
J. Med. Chem. 53, 734-744 (2010).
- The Interactions of the 5-HT3 Receptor with Quipazine-Like Arylpiperazine Ligands. The Journey Track at the End of the First Decade of the Third Millennium.
A. Cappelli, S. Butini, A. Brizzi, S. Gemma, S. Valenti, G. Giuliani, M. Anzini, L. Mennuni, G. Campiani, V. Brizzi, S. Vomero.
Curr. Top. Med. Chem. 10, 504-526 (2010).
- PEG-Benzofulvene Copolymer Hydrogels for Antibody Delivery.
M. Licciardi, M. Grassi, M. Di Stefano, L. Feruglio, G. Giuliani, S. Valenti, A. Cappelli, G. Giammona.
Int. J. Pharm. 390, 183-190 (2010).
- Design, Synthesis, and Preliminary Biological Evaluation of Pyrrolo[3,4-c]quinolin-1-one and Oxoisoindoline Derivatives as Novel Aggrecanase Inhibitors.
A. Cappelli, C. Nannicini, S. Valenti, G. Giuliani, M. Anzini, L. Mennuni, A. Giordani, G. Caselli, L. P. Stasi, F. Makovec, G. Giorgi, S. Vomero.
ChemMedChem. 5, 739-748 (2010).
- Structure-Property Relationships in Densely Grafted π -Stacked Polymers.
A. Cappelli, M. Paolino, P. Anzini, G. Giuliani, S. Valenti, M. Aggravi, A. Donati, R. Mendichi, L. Zetta, A. C. Boccia, F. Bertini, F. Samperi, S. Battiato, E. Paccagnini, S. Vomero.
J. Polym. Sci. Part A. 48, 2446-2461 (2010).
- Aromatase and 5- α Reductase Gene Expression: Modulation by Pain and Morphine Treatment in Male Rats.
A. M. Aloisi, I. Ceccarelli, P. Fiorenzani, M. Maddalena, A. Rossi, V. Tomei, G. Sorda, B. Danielli, M. Rovini, A. Cappelli, M. Anzini, A. Giordano.
Mol. Pain, 6:69 (2010). Doi: 10.1186/1744-8069-6-69.
- Carborane-Conjugated 2-Quinolinecarboxamide Ligands of the Translocator Protein for Boron Neutron Capture Therapy.
A. Cappelli, S. Valenti, A. Mancini, G. Giuliani, M. Anzini, S. Altieri, S. Bortolussi, C. Ferrari, A. M. Clerici, C. Zonta, F. Carraro, I. Filippi, G. Giorgi, A. Donati, S. Ristori, S. Vomero, A. Concas, G. Biggio.
Bioconjugate Chem. 21, 2213-2221 (2010).
- 2011
- Enlarging the NSAIDs Family: Ether, Ester and Acid Derivatives of the 1,5-Diarylpyrrole Scaffold as Novel Anti-Inflammatory and Analgesic Agents.
M. Biava, G. C. Porretta, G. Poce, C. Battilocchio, M. Botta, F. Manetti, M. Rovini, A. Cappelli, L. Sautebin, A. Rossi, C. Pergola, C. Ghelardini, N. Galeotti, F. Makovec, A. Giordani, P. Anzellotti, S. Tacconelli, P. Patrignani, M. Anzini.
Curr. Med. Chem. 18, 1540-1554 (2011).
- Non-Peptide NK1 Receptor Ligands Based on the 4-Phenylpyridine Moiety.
G. Giuliani, A. Cappelli, M. Matarrese, V. Masiello, E. A. Turolla, C. Monterisi, F. Fazio, M. Anzini, G. Pericot Mohr, D. Riitano, F. Finetti, L. Morbidelli, M. Ziche, G. Giorgi, S. Vomero.
Bioorg. Med. Chem. 19, 2242-2251 (2011).

Bivalent Ligands for the Serotonin 5-HT₃ Receptor.

A. Cappelli, M. Manini, M. Paolino, A. Gallelli, M. Anzini, L. Mennuni, M. Del Cadia, F. De Rienzo, M. C. Menziani, S. Vomero.

ACS Med. Chem. Lett. 2, 571-576 (2011). Doi: 10.1021/ml2000388.

New Insight into the Central Benzodiazepine Receptor-Ligand Interactions: Design, Synthesis, Biological Evaluation and Molecular Modelling of 3-Substituted 6-Phenyl-4H-imidazo[1,5-a][1,4]benzodiazepines and Related Compounds.

M. Anzini, S. Valenti, C. Braile, A. Cappelli, S. Vomero, S. Alcaro, F. Ortuso, L. Marinelli, V. Limongelli, E. Novellino, L. Betti, G. Giannaccini, A. Lucacchini, S. Daniele, C. Martini, C. Ghelardini, L. Di Cesare Mannelli, G. Giorgi, M. P. Mascia, G. Biggio.

J. Med. Chem. 54, 5694-5711 (2011). Doi: 10.1021/jm20015997.

A Click Chemistry-Based "Grafting Through" Approach to the Synthesis of a Biorelevant Polymer Brush.

A. Cappelli, M. Paolino, G. Grisci, G. Giuliani, A. Donati, R. Mendichi, A. C. Boccia, F. Samperi, S. Battiato, E. Paccagnini, E. Giacomello, V. Sorrentino, M. Licciardi, G. Giammona, S. Vomero.

Polym. Chem. 2, 2518-2527 (2011). Doi: 10.1039/c1py00271f.

Synthesis and Structure-Activity Relationship Studies in Translocator Protein Ligands Based on a Pyrazolo[3,4-b]quinoline Scaffold.

A. Cappelli, G. Bini, S. Valenti, G. Giuliani, M. Paolino, M. Anzini, S. Vomero, G. Giorgi, A. Giordani, L. P. Stasi, F. Makovec, C. Ghelardini, L. Di Cesare Mannelli, A. Concas, P. Porcu, G. Biggio

J. Med. Chem. 54, 7165-7175 (2011). Doi: 10.1021/jm200770f.

2012 Synthesis and Characterization of Charge-Transporting π -Stacked Polybenzofulvene Derivatives.

A. Cappelli, M. Paolino, G. Grisci, G. Giuliani, A. Donati, R. Mendichi, A. C. Boccia, C. Botta, W. Mróz, F. Samperi, A. Scamporrino, G. Giorgi, S. Vomero

J. Mater. Chem. 22, 9611-9623 (2012). Doi: 10.1039/c2jm16790e.

In vitro Effects of VA441, a New Selective Cyclooxygenase-2 Inhibitor, on Human Osteoarthritic Chondrocytes Exposed to IL-1 β .

A. Fioravanti, L. Tinti, N. A. Pascarelli, A. Di Capua, A. Lambrogia, A. Cappelli, M. Biava, A. Giordani, S. Niccolini, M. Galeazzi, M. Anzini.

J. Pharmacol. Sci. 120, 6-14 (2012). Doi: 10.1254/jphs12016FP.

New Red-Shifted Coelenterazine Analogues with an Extended Electronic Conjugation

G. Giuliani, P. Molinari, G. Ferretti, A. Cappelli, M. Anzini, S. Vomero, T. Costa

Tetrahedron Lett. 53, 5114-5118 (2012). Doi: 10.1016/j.tetlet.2012.07.041

Evaluation of Thermoresponsive Properties and Biocompatibility of Polybenzofulvene Aggregates for Leuprolide Delivery.

M. Licciardi, G. Amato, A. Cappelli, M. Paolino, G. Giuliani, B. Belmonte, C. Guarnotta, G. Pitarresi, G. Giammona.

Int.J. Pharm. 438, 279-286 (2012). Doi: 10.1016/j.ijpharm.2012.09.023

Self-Assembly of Poly(propylene imine) Glycodendrimers. Role of Aromatic Interactions in the Formation of Necklace- and Donut-like Nanostructures.

M. Paolino, F. Ennen, H. Komber, M. Cernescu, A. Cappelli, B. Brutschy, B. Voit, D. Appelhans.

Polym. Chem. 3, 3239-3242 (2012). Doi: 10.1039/c2py20649h.

2013 Synthesis and Structure-Activity Relationship Studies in Serotonin 5-HT_{1A} Receptor Agonists Based on Fused Pyrrolidone Scaffolds.

A. Cappelli, M. Manini, S. Valenti, F. Castriconi, G. Giuliani, M. Anzini, S. Brogi, S. Butini, S. Gemma, G. Campiani, G. Giorgi, L. Mennuni, M. Lanza, A. Giordani, G. Caselli, O. Letari, F. Makovec.

Eur. J. Med. Chem. 63, 85-94 (2013). Doi: 10.1016/j.ejmech.2013.01.044

Antiproliferative Effect of Two Novel COX-2 Inhibitors on Human Keratinocytes.

C. Sticozzi, G. Belmonte, F. Cervellati, A. Di Capua, E. Maioli, A. Cappelli, A. Giordani, M. Biava, M. Anzini, G. Valacchi.

Eur. J. Pharm. Sci. 49, 133-141 (2013). Doi: 10.1016/j.ejps.2013.02.009

Novel Analgesic/Anti-inflammatory Agents: 1,5-Diarylpyrrole Nitrooxyalkyl Ethers and Related

Compounds as Cyclooxygenase-2 Inhibiting Nitric Oxide Donors.

M. Anzini, A. Di Capua, S. Valenti, S. Brogi, M. Rovini, G. Giuliani, A. Cappelli, S. Vomero, L. Chiasserini, A. Sega, G. Poce, G. Giorgi, V. Calderone, A. Martelli, L. Testai, L. Sautebin, A. Rossi, G. Papa, C. Ghelardini, L. Di Cesare Mannelli, V. Benetti, A. Giordani, P. Anzellotti, M. Dovizio, P. Patrignani, M. Biava.

J. Med. Chem. 56, 3191-3206 (2013). Doi: 10.1021/jm301370e.

Cyclodextrin-Adamantane Host-Guest Interactions on the Surface of Biocompatible Adamantyl-Modified Glycodendrimers.

M. Paolino, F. Ennen, S. Lamponi, M. Cernescu, B. Voit, A. Cappelli, D. Appelhans, H. Komber. Macromolecules 46, 3215-3227 (2013). Doi: 10.1021/ma400352m.

Combining Spontaneous Polymerization and Click Chemistry for the Synthesis of Polymer Brushes: A "Grafting Onto" Approach.

A. Cappelli, G. Grisci, M. Paolino, F. Castriconi, G. Giuliani, A. Donati, S. Lamponi, R. Mendichi, A. C. Boccia, F. Samperi, S. Battiato, E. Paccagnini, M. Gentile, M. Licciardi, G. Giammona, S. Vomero

Chemistry, Eur. J. 19, 9710-9721 (2013). Doi: 10.1002/chem.201202534.

A Stereoselective Approach to Peptidomimetic BACE1 Inhibitors.

S. Butini, E. Gabellieri, M. Brindisi, S. Giovani, S. Maramai, G. Kshirsagar, E. Guarino, S. Brogi, V. La Pietra, M. Giustiniano, L. Marinelli, E. Novellino, G. Campiani, A. Cappelli, S. Gemma.

Eur. J. Med. Chem. 70, 233-247 (2013). Doi: 10.1016/j.ejps.2013.09.056

The novel anti-inflammatory agent VA694, endowed with both NO-releasing and COX2-selective inhibiting properties, exhibits NO-mediated positive effects on blood pressure, coronary flow and endothelium in an experimental model of hypertension and endothelial dysfunction.

A. Martelli, L. Testai, M. Anzini, A. Cappelli, A. Di Capua, M. Biava, G. Poce, S. Consalvi, A. Giordani, G. Caselli, L. Rovati, C. Ghelardini, P. Patrignani, L. Sautebin, M.C. Breschi, V. Calderone

Pharmacol. Res. 78, 1-9 (2013). Doi: 10.1016/j.phrs.2013.09.008

2014

Reversible Polymerization Techniques Leading to π -Stacked Polymers.

A. Cappelli, M. Paolino, G. Grisci, G. Giuliani, A. Donati, A. C. Boccia, F. Samperi, R. Mendichi, S. Vomero.

π -Stacked Polymers and Molecules, Theory, Synthesis, and Properties; Nakano T. Ed. p 51-149, Springer (2014). ISBN 978-4-431-54128-8

From the Natural Compound (+)-Epigallocatechin Gallate to a Simplified Synthetic Analogue as a Cytoadherence Inhibitor for Plasmodium Falciparum.

S. Gemma, S. Brogi, P. R. Patil, S. Giovani, S. Lamponi, A. Cappelli, E. Novellino, A. Brown, M. Haggag, K. Mustafa, T. Szesztak, A. G. Craig, G. Campiani, S. Butini, M. Brindisi.

RSC Advances, 4, 4769-4781 (2014). Doi: 10.1039/C3RA45933K

Hyaluronan Derivatives Bearing Variable Densities of Ferulic Acid Residues.

A. Cappelli, G. Grisci, M. Paolino, G. Giuliani, A. Donati, R. Mendichi, R. Artusi, M. Demiranda, A. Zanardi, S. Vomero.

J. Mater. Chem. B, 2, 4489-4499 (2014). Doi: 10.1039/c3tb21824d

Synthesis and Structure-Activity Relationship Studies in Serotonin 5-HT₄ Receptor Ligands Based on Benzo[de][2,6]naphthridine Scaffold.

F. Castriconi, M. Paolino, G. Giuliani, M. Anzini, G. Campiani, L. Mennuni, C. Sabatini, M. Lanza, G. Caselli, F. De Rienzo, M. C. Menziani, M. Sbraccia, P. Molinari, T. Costa, A. Cappelli

Eur. J. Med. Chem. 82, 36-46 (2014) Doi: 10.1016/j.ejmech.2014.05.015

Dendrimeric Tetravalent Ligands for the Serotonin-Gated Ion Channel

M. Paolino, L. Mennuni, G. Giuliani, M. Anzini, M. Lanza, G. Caselli, M. C. Menziani, A. Donati, A. Cappelli.

Chem. Comm. 50, 8582-8585 (2014) Doi: 10.1039/c4cc02502d

Highly Emissive Supramolecular Assemblies Based on π -Stacked Polybenzofulvene Hosts and Benzodithiazole Based Guests.

A. Cappelli, F. Villafiorita-Monteleone, G. Grisci, M. Paolino, V. Razzano, G. Fabio, G. Giuliani, A. Donati, R. Mendichi, A. C. Boccia, M. Pasini, C. Botta

J. Mater. Chem. C, 2, 7897-7905 (2014) Doi: 10.1039/c4tc01200c

Supramolecular Glycodendrimer-Based Hybrid Drugs.

M. Paolino, H. Komber, L. Mennuni, G. Caselli, D. Appelhans, B. Voit, A. Cappelli.
Biomacromolecules. 15, 3985-3993 (2014). Doi: 10.1021/bm501057d.

Radiosynthesis of [¹¹C]-Labelled COX-2 Selective Inhibitor as a Potential PET Tracer Candidate for Cyclooxygenase-2 Expression.

E. Andreoli, A. Di Capua, A. Cappelli, A. Carpinelli, G. Di Grigoli, S. Belloli, M. Anzini, R. M. Moresco.

Eur. J. Nucl. Med. Mol. Imag. (2014) 41, S424.

2015

π -Stacked Polybenzofulvene Derivatives as Hosts for Yellow and Red Emitting OLEDs.

W. Mróz, F. Villafiorita-Monteleone, M. Pasini, G. Grisci, M. Paolino, V. Razzano, A. Cappelli, C. Botta

Mater. Lett. 142, 197-200 (2015). Doi: 10.1016/j.matlet.2014.12.002

Polybenzofulvene Derivatives Bearing Dynamic Binding Sites as Potential Anticancer Drug Delivery Systems.

A. Cappelli, G. Grisci, M. Paolino, V. Razzano, G. Giuliani, A. Donati, C. Bonechi, R. Mendichi, A. C. Boccia, M. Licciardi, C. Scialabba, G. Giammona, S. Vomero

J. Mater. Chem. B, 3, 361-374 (2015). Doi: 10.1039/c4tb01268b

Radiosynthesis and Preliminary Biological Evaluation of [¹⁸F]VC701, a Radioligand for Translocator Protein.

G. Di Grigoli, C. Monterisi, S. Belloli, V. Masiello, L. S. Politi, S. Valenti, M. Paolino, M. Anzini, M. Matarrese, A. Cappelli, R. M. Moresco.

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Siena, 20 Marzo 2023

Ai sensi dell'art. 13 del d. Lgs. 196/2003, autorizzo il trattamento dei dati personali contenuti nel presente curriculum vitae