

# CURRICULUM VITAE



## INFORMAZIONI PERSONALI

**Nome** COSIMO CARFAGNA  
**Indirizzo**  
**Mobile phone**  
**E-mail** \_\_\_\_\_  
**Nazionalità**  
**Data di nascita**

## ISTRUZIONE E FORMAZIONE

**Data** 25/05/1976 laurea in Chimica con lode  
**Nome e tipo di organizzazione del datore di lavoro** Università di Napoli "Federico II"  
**Titolo e qualifica ricoperta** Dottore in Chimica  
**Tesi** "Conformational freedom of polyamides"  
**Principali materie e competenze professionali relative alla formazione** L'insegnamento universitario mi ha permesso di ottenere una buona conoscenza sulla caratterizzazione e sintesi dei polimeri

## ESPERIENZA LAVORATIVA

**Dal 01/11/00 a oggi** Professore ordinario di Chimica (Università di Napoli Federico II)  
**Dal 15/10/02 ad oggi** Direttore dell'Istituto per i Polimeri, i Compositi ed i Biomateriali (IPCB), già Istituto di Chimica e Tecnologia dei Polimeri (ICTP-CNR), con sede a Pozzuoli (NA), Napoli, Catania e Lecco.  
**Dal 01/01/2003 a oggi** Responsabile delle attività di lavoro sui tessuti intelligenti per il Centro Regionale di Competenza  
**Dal 15/09/2008 al 28/02/2010** Presidente dell'area di ricerca Napoli 3 del CNR  
**Dal 1/11/1991 al 31/10/2000** Professore associato di chimica (Università di Napoli Federico II)  
**Dal 10/12/1987 al 31/10/1991** Professore associato di scienza dei materiali (Università della Basilicata)  
**Dal 21/12/1983 al 10/12/1987** Ricercatore presso il Dipartimento di Chimica, Università degli studi di Napoli "Federico II"  
**Dal 01/03/1982 al 30/06/1982** Ricercatore all'Istituto "Forschungsinstitut fur Pigmente und lacke" (Stoccarda, Germany)

Dal 01/10/1980 al 20/12/1983

Ricercatore all'istituto Guido Donegani (ENICHEM).

Dal 01/07/78 al 30/09/78

Ricercatore presso Bend Research INC. (Oregon U.S.A.)

Dal 01/03/78 al 31/12/79

Post doc all'Istituto di ingegneria chimica (Università di Napoli "Federico II)

Dal 01/10/76 al 28/02/78

Servizio militare nella marina militare

#### CAPACITA' E COMPETENZE PERSONALI

LINGUA MADRE

ITALIANO

ALTRE LINGUE

INGLESE  
eccellente  
eccellente  
eccellente

- Capacità di lettura
- Capacità di scrittura
- Capacità di espressione orale

#### CAPACITA' E COMPETENZE RELAZIONALI

Il mio livello di interazione con altre persone (per esempio in ambiente multiculturale) è molto elevato e mi piace ricoprire ruoli dove la comunicazione è importante e in situazioni in cui il lavoro di gruppo è essenziale.

#### CAPACITA' E COMPETENZE ORGANIZZATIVE

Sono:  
Membro dell' International Society of Liquid Crystals  
Membro del Material Research Society  
Membro dell'Academy of Science of New York  
Membro dell'Italian Society of Liquid Crystals  
Membro dell' Italian Society of Macromolecules  
Membro dell' Italian Chemical Society  
Membro del comitato editoriale della rivista: Anti-Corrosion Methods and Materials ISSN 0003-5599  
Membro del comitato scientifico in occasione della conferenza sulla caratterizzazione dei polimeri, che si tiene ogni anno a Denton (TX), USA  
Membro dell' Italian Scientific Delegation in China in 1995  
Membro della commissione per la valutazione dei progetti Marie Curie:  
Membro della Commissione di Ateneo dell'Università degli Studi della Basilicata  
Membro del Consiglio di Dipartimento presso il Dipartimento di Ingegneria dei Materiali e della Produzione dell'Università degli Studi di Napoli  
Coordinatore del Progetto patrocinato del CNR: Materiali Speciali per Tecnologie Avanzate  
Responsabile per i progetti di ricerca BRITE-EURAM  
Responsabile di progetti di ricerca del CNR  
Coordinatore dell'attività didattica dell' AIM  
Coordinatore pro-tempore del Dottorato di Ricerca in Ingegneria dei Materiali  
Referee del Ministero della Pubblica Istruzione del Portogallo per la valutazione di progetti nel campo della scienza dei materiali  
Referee del MIUR per la valutazione di progetti di ricerca sulla tecnologia dei polimeri  
Referee del MISE per la valutazione di progetti di ricerca nell'ambito del programma INDUSTRIA2015  
Referee delle seguenti Regioni: Liguria, Toscana, Puglia, Lazio, Marche, Umbria, Sicilia per la valutazione di progetti di ricerca sulla tecnologia dei polimeri

**CAPACITA' E COMPETENZE  
TECNICHE**

**Il mio campo di interesse:**

**chimica e tecnologia dei polimeri, funzionalizzazione dei polimeri, sintesi dei polimeri, polimeri per applicazioni elettroottiche, compositi e nanocompositi, tessuti funzionali, riciclo, reactive processing e trasformazione di materie plastiche, materiali per l'imballaggio, biomateriali e drug delivery**

**Durante la mia attività ho collaborato con molte delle realtà produttive interessate alla sintesi , alla caratterizzazione ed alla trasformazione delle materie plastiche, tra cui:**

**VERSALIS (Polimeri Europa)**

**FIT**

**FARAPLAN**

**CONAI**

**CONIP**

**FLEXPACKAGING**

**TECNOGEL**

**AGRICOLAIMBALLAGGI**

**SAPICI**

**CARPISA**

**YAMAMAY**

**MIRIADE**

**Mantenendo con esse una rete di contatti e di collaborazioni**

## cosimo carfagna

Full Professor of Chemistry, University  
"Federico II" past Director IPCB-CNR

polymer technology

material science

polymer recycling and sustainability

	Tutte	Dal 2019
Citazioni	6436	2196
Indice H	45	26
i10-index	135	61

9 articoli

13 articoli

Non disponibili

Disponibili

In base ai mandati di  
finanziamento

TITOLO	ELIMINA	ESPORTA	CITATA DA	ANNO
<a href="#">Atypical structural and <math>\pi</math>-electron features of a melanin polymer that lead to superior free-radical-scavenging properties</a> L Panzella, G Gentile, G D'Errico, NF Della Vecchia, ME Errico, ... Angewandte Chemie International Edition 48 (52), 12684-12687			305	2013
<a href="#">Physical properties of blends of polycarbonate and a liquid crystalline copolyester</a> MR Nobile, E Amendola, L Nicolais, D Acierno, C Carfagna Polymer Engineering & Science 29 (4), 244-257			195	1989
<a href="#">Nanocomposite polymer films containing carvacrol for antimicrobial active packaging</a> P Persico, V Ambrogi, C Carfagna, P Cerruti, I Ferrocino, G Mauriello Polymer Engineering & Science 49 (7), 1447-1455			185	2009
<a href="#">Liquid crystalline epoxy based thermosetting polymers</a> C Carfagna, E Amendola, M Giamberini Progress in Polymer Science 22 (8), 1607-1647			178	1997
<a href="#">Additives in polymers</a> V Ambrogi, C Carfagna, P Cerruti, V Marturano Modification of polymer properties, 87-108			148	2017
<a href="#">Natural antioxidants for polypropylene stabilization</a> V Ambrogi, P Cerruti, C Carfagna, M Malinconico, V Marturano, M Perrotti, ... Polymer degradation and stability 96 (12), 2152-2158			141	2011
<a href="#">Curing kinetics of liquid-crystalline epoxy resins</a> C Carfagna, E Amendola, M Giamberini, AG Filippov, RS Bauer Liquid Crystals 13 (4), 571-584			137	1993
<a href="#">Effect of a natural polyphenolic extract on the properties of a biodegradable starch-based polymer</a> P Cerruti, G Santagata, GG d'Ayala, V Ambrogi, C Carfagna, ... Polymer degradation and stability 96 (5), 839-846			135	2011
<a href="#">Properties of poly (urea-formaldheyde) microcapsules containing an epoxy</a>			129	2007

**resin**

S Cosco, V Ambrogi, P Musto, C Carfagna  
Journal of applied polymer science 105 (3), 1400-1411

**Effect of natural antioxidants on the stability of polypropylene films** 124 2009

P Cerruti, M Malinconico, J Rychly, L Matisova-Rychla, C Carfagna  
Polymer Degradation and Stability 94 (11), 2095-2100

**The effect of the prepolymer composition of amino-hardened epoxy resins on the water sorption behavior and plasticization** 112 1982

C Carfagna, A Apicella, L Nicolais  
Journal of Applied Polymer Science 27 (1), 105-112

**Polyurethane resin-based adhesives: curing reaction and properties of cured systems** 104 2005

G Malucelli, A Priola, F Ferrero, A Quaglia, M Frigione, C Carfagna  
International Journal of Adhesion and Adhesives 25 (1), 87-91

**Urea-formaldehyde microcapsules containing an epoxy resin: Influence of reaction parameters on the encapsulation yield** 91 2006

S Cosco, V Ambrogi, P Musto, C Carfagna  
Macromolecular symposia 234 (1), 184-192

**Liquid crystalline epoxy thermosets** 90 1995

M Giamberjini, E Amendola, C Carfagna  
Molecular Crystals and Liquid Crystals Science and Technology. Section A ...

**Morphological and thermal properties of cellulose- montmorillonite nanocomposites** 82 2008

P Cerruti, V Ambrogi, A Postiglione, J Rychly, L Matisová-Rychlá, ...  
Biomacromolecules 9 (11), 3004-3013

**Microporous hyper-crosslinked polystyrenes and nanocomposites with high adsorption properties: A review** 80 2017

R Castaldo, G Gentile, M Avella, C Carfagna, V Ambrogi  
Polymers 9 (12), 651

**Curing reactions of a liquid crystalline epoxy resin based on the diglycidyl ether of 4, 4'-dihydroxy- $\alpha$ -methylstilbene** 80 1995

E Amendola, C Carfagna, M Giamberini, G Pisaniello  
Macromolecular Chemistry and Physics 196 (5), 1577-1591

**Thermal-oxidative degradation of polyamide 6, 6 containing metal salts** 76 2010

P Cerruti, C Carfagna  
Polymer Degradation and Stability 95 (12), 2405-2412

**Liquid-crystalline epoxy resins: a glycidyl-terminated benzaldehyde azine cured in the nematic phase** 73 1994

C Carfagna, E Amendola, M Giamberini, AG Filippov  
Macromolecular Chemistry and Physics 195 (1), 279-287

**Double percolation of multiwalled carbon nanotubes in polystyrene/polylactic acid blends** 71 2016

G Nasti, G Gentile, P Cerruti, C Carfagna, V Ambrogi  
Polymer 99, 193-203

**Metal containing liquid-crystal polymers** 71 1987

C Carfagna, U Caruso, A Roviello, A Sirigu  
Die Makromolekulare Chemie, Rapid Communications 8 (7), 345-351

**Rigid rod networks: liquid crystalline epoxy resins** 68 1994

C Carfagna, E Amendola, M Giamberini  
Composite structures 27 (1-2), 37-43

**Epoxy+ liquid crystalline epoxy coreacted networks: I. Synthesis and curing kinetics** 67 2001

P Panchaipetch, V Ambrogi, M Giamberini, W Brostow, C Carfagna, ...  
Polymer 42 (5), 2067-2075

**Synthesis, characterization, and in vitro degradation of a novel thermotropic ternary copolyester based on p-hydroxybenzoic acid, glycolic acid, and p-hydroxycinnamic acid** 66 1995

X Jin, C Carfagna, L Nicolais, R Lanzetta  
Macromolecules 28 (14), 4785-4794

**Liquid crystalline epoxy resins containing binaphthyl group as rigid block with enhanced thermal stability** 66 1994

C Carfagna, E Amendola, M Giamberini  
Macromolecular Chemistry and Physics 195 (7), 2307-2315

**Toughening epoxy resins by liquid crystalline polymers** 66 1992

C Carfagna, L Nicolais, E Amendola, C Carfagna Jr, AG Filippov  
Journal of applied polymer science 44 (8), 1465-1471

**The layer perovskites as thermal energy storage systems** 64 1980

V Busico, C Carfagna, V Salerno, M Vacatello, F Fittipaldi  
Solar Energy 24 (6), 575-579

**A superior all-natural antioxidant biomaterial from spent coffee grounds for polymer stabilization, cell protection, and food lipid preservation** 60 2016

L Panzella, P Cerruti, V Ambrogi, S Agustin-Salazar, G D'Errico, ...  
ACS Sustainable Chemistry & Engineering 4 (3), 1169-1179

**Epoxy+ liquid crystalline epoxy coreacted networks: II. Mechanical properties** 58 2002

P Panchaipetch, V Ambrogi, M Giamberini, W Brostow, C Carfagna, ...  
Polymer 43 (3), 839-848

**Improvement of the processability of advanced polymers** 56 1990

MR Nobile, D Acierno, L Incarnato, E Amendola, L Nicolais, C Carfagna  
Journal of applied polymer science 41 (11-12), 2723-2737

**Biodegradable composites reinforced with kenaf fibers: Thermal, mechanical, and morphological issues** 55 2013

P Russo, C Carfagna, F Cimino, D Acierno, P Persico  
Advances in Polymer Technology 32 (S1), E313-E322

- Photo-responsive polymer nanocapsules** 54 2015  
V Marturano, P Cerruti, C Carfagna, M Giamberini, B Tylkowski, ...  
Polymer 70, 222-230
- Physical degradation by water clustering in epoxy resins** 53 1983  
C Carfagna, A Apicella  
Journal of applied polymer science 28 (9), 2881-2885
- An antioxidant bioinspired phenolic polymer for efficient stabilization of polyethylene** 51 2014  
V Ambrogi, L Panzella, P Persico, P Cerruti, CA Lonz, C Carfagna, ...  
Biomacromolecules 15 (1), 302-310
- Polymer–filler interactions in PET/CaCO<sub>3</sub> nanocomposites: Chain ordering at the interface and physical properties** 51 2013  
R Avolio, G Gentile, M Avella, C Carfagna, ME Errico  
European Polymer Journal 49 (2), 419-427
- Curing of a rigid rod epoxy resin with an aliphatic diacid: an example of a lightly crosslinked liquid crystalline thermoset** 50 1995  
M Giamberini, E Amendola, C Carfagna  
Macromolecular rapid communications 16 (2), 97-105
- Enhancement of poly (3-hydroxybutyrate) thermal and processing stability using a bio-waste derived additive** 49 2012  
P Persico, V Ambrogi, A Baroni, G Santagata, C Carfagna, M Malinconico, ...  
International journal of biological macromolecules 51 (5), 1151-1158
- Plasticizer migration from cross-linked flexible PVC: Effects on tribology and hardness** 49 2012  
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- Comparison of photo-oxidative degradation of polyamide 6, 6 films stabilized with HALS and CuCl<sub>2</sub>+ KI mixtures** 48 2005  
P Cerruti, M Lavorgna, C Carfagna, L Nicolais  
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- Thermoregulated natural leather using phase change materials: an example of bioinspiration** 46 2010  
Al Renzi, C Carfagna, P Persico  
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- Waste and Virgin LDPE/PET Blends Compatibilized with an Ethylene-Butyl Acrylate-Glycidyl Methacrylate (EBAGMA) Terpolymer, 1** 46 2005  
M Kaci, A Benhamida, S Cimmino, C Silvestre, C Carfagna  
Macromolecular Materials and Engineering 290 (10), 987-995
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P Cerruti, C Carfagna, J Rychlý, L Matisova-Rychla  
Polymer degradation and stability 82 (3), 477-485
- Light-responsive nanocapsule-coated polymer films for antimicrobial active packaging** 45 2019  
V Marturano, V Bizzarro, V Ambrogi, A Cutignano, G Tommonaro, ...  
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- Electrospun core/shell nanofibers as designed devices for efficient Artemisinin delivery** 45 2017  
I Bonadies, L Maglione, V Ambrogi, JD Paccez, LF Zerbini, LFR e Silva, ...  
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- Physical characterization of incompatible blends of polymethylmethacrylate and polycaprolactone** 45 1990  
S Iannace, N De Luca, L Nicolais, C Carfagna, SJ Huang  
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- A versatile synthetic approach toward hyper-cross-linked styrene-based polymers and nanocomposites** 44 2017  
R Castaldo, R Avolio, M Cocca, G Gentile, ME Errico, M Avella, ...  
Macromolecules 50 (11), 4132-4143
- Heat storage and dimensional stability of poly (vinyl alcohol) based foams containing microencapsulated phase change materials** 44 2015  
I Bonadies, A Izzo Renzi, M Cocca, M Avella, C Carfagna, P Persico  
Industrial & Engineering Chemistry Research 54 (38), 9342-9350
- Lightly crosslinked liquid crystalline epoxy resins: The effect of rigid-rod length and applied stress on the state of order of the cured thermoset** 44 1997  
M Giamberini, E Amendola, C Carfagna  
Macromolecular Chemistry and Physics 198 (10), 3185-3196
- Modeling of curing reaction kinetics in liquid-crystalline epoxy resins** 44 1997  
G Micco, M Giamberini, E Amendola, C Carfagna, G Astarita  
Industrial & engineering chemistry research 36 (8), 2976-2983
- Disc-like Mesogens: Synthesis and Characterization of a Series of Rufigallol-hexa-*n*-alkanoates** 44 1985  
C Carfagna, A Roviello, A Sirigu  
Molecular Crystals and Liquid Crystals 122 (1), 151-160
- Synthesis and characterization of highly intercalated graphite bisulfate** 43 2017  
M Salvatore, G Carotenuto, S De Nicola, C Camerlingo, V Ambrogi, ...  
Nanoscale Research Letters 12, 1-8



- Blends of a polyetherimide and a liquid crystalline polymer. Fiber orientation and mechanical properties** 42 1991  
C Carfagna, E Amendola, L Nicolais, D Acierno, O Francescangeli, ...  
Journal of applied polymer science 43, 839-844
- Recycling polyethylene-rich plastic waste from landfill reclamation: Toward an enhanced landfill-mining approach** 40 2019  
R Avolio, F Spina, G Gentile, M Cocca, M Avella, C Carfagna, G Tealdo, ...  
Polymers 11 (2), 208
- Liquid crystalline elastomers based on diglycidyl terminated rigid monomers and aliphatic acids. Part 1. Synthesis and characterization** 40 2005  
V Ambrogi, M Giamberini, P Cerruti, P Pucci, N Menna, R Mascolo, ...  
Polymer 46 (7), 2105-2121
- A melanin-inspired pro-oxidant system for dopa (mine) polymerization: mimicking the natural casing process** 38 2011  
G Greco, L Panzella, G Gentile, ME Errico, C Carfagna, A Napolitano, ...  
Chemical communications 47 (37), 10308-10310
- Effect of compatibilization on thermal degradation kinetics of HDPE-based composites containing cellulose reinforcements** 38 2010  
M Avella, R Avolio, I Bonadies, C Carfagna, ME Errico, G Gentile  
Journal of thermal analysis and calorimetry 102 (3), 975-982
- Reversible Fragmentation and Self-Assembling of Nematic Liquid Crystal Droplets on Functionalized Pyroelectric Substrates** 37 2012  
F Merola, S Grilli, S Coppola, V Vespini, S De Nicola, P Maddalena, ...  
Advanced Functional Materials 22 (15), 3267-3272
- Effect of microencapsulated phase change materials on the thermo-mechanical properties of poly (methyl-methacrylate) based biomaterials** 37 2006  
R De Santis, V Ambrogi, C Carfagna, L Ambrosio, L Nicolais  
Journal of Materials Science: Materials in Medicine 17 (12), 1219-1226
- Polyamide microcapsules containing jojoba oil prepared by inter-facial polymerization** 37 2005  
P Persico, C Carfagna, L Danicher, Y Frere  
Journal of microencapsulation 22 (5), 471-486
- Liquid crystalline epoxy resins in polymer dispersed liquid crystal composites** 37 1997  
C Carfagna, E Amendola, M Giamberini, H Hakemi, S Pane  
Polymer international 44 (4), 465-473
- Synthesis and adsorption study of hyper-crosslinked styrene-based nanocomposites containing multi-walled carbon nanotubes** 36 2017  
R Castaldo, R Avolio, M Cocca, G Gentile, ME Errico, M Avella, ...  
RSC advances 7 (12), 6865-6874
- Multiwalled carbon nanotubes functionalized with maleated poly (propylene) by a dry mechano-chemical process** 36 2012

V Ambrogi, G Gentile, C Ducati, MC Oliva, C Carfagna  
 Polymer 53 (2), 291-299

**Recrystallization kinetics of isotactic polypropylene ( $\alpha$ -form)** 36 1984  
 C Carfagna, C De Rosa, G Guerra, V Petraccone  
 Polymer 25 (10), 1462-1464

**Artificial biomelanin: Highly light-absorbing nano-sized eumelanin by biomimetic synthesis in chicken egg white** 35 2014  
 NF della Vecchia, P Cerruti, G Gentile, ME Errico, V Ambrogi, G D'Errico, ...  
 Biomacromolecules 15 (10), 3811-3816

**Controlled actuation of a carbon nanotube/epoxy shape-memory liquid crystalline elastomer** 33 2016  
 GC Lama, P Cerruti, M Lavorgna, C Carfagna, V Ambrogi, G Gentile  
 The Journal of Physical Chemistry C 120 (42), 24417-24426

**The effect of prepolymer composition of amino-hardened liquid crystalline epoxy resins on physical properties of cured thermoset** 33 1999  
 C Carfagna, E Amendola, M Giamberini, A D'Amore, A Priola, G Malucelli  
 Macromolecular symposia 148 (1), 197-209

**Discotic mesomorphism of rufigallol hexa-*n*-alkoxylates** 33 1987  
 C Carfagna, P Iannelli, A Roviello, A Sirigu  
 Liquid Crystals 2 (5), 611-616

**Composites based on carbon fibers and liquid crystalline epoxy resins, 2 Dynamic-mechanical analysis and fracture toughness behavior** 32 2000  
 C Carfagna, G Meo, L Nicolais, M Giamberini, A Priola, G Malucelli  
 Macromolecular Chemistry and Physics 201 (18), 2639-2645

**Liquid-crystalline epoxy resins: curing of blends of mesogenic and non-mesogenic epoxy monomers** 32 1994  
 C Carfagna, E Amendola, M Giamberini  
 Journal of materials science letters 13, 126-128

**Visible-light responsive nanocapsules for wavelength-selective release of natural active agents** 31 2019  
 V Marturano, H Marcille, P Cerruti, NAG Bandeira, M Giamberini, ...  
 ACS Applied Nano Materials 2 (7), 4499-4506

**Electrohydrodynamic assembly of multiscale PDMS microlens arrays** 31 2014  
 V Vespini, O Gennari, S Coppola, G Nasti, L Mecozzi, V Pagliarulo, S Grilli, ...  
 IEEE Journal of Selected Topics in Quantum Electronics 21 (4), 399-406

**Hybrid ferroelectric-polymer microfluidic device for dielectrophoretic self-assembly of nanoparticles** 31 2014  
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 RSC Advances 4 (6), 2851-2857

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 I Bonadies, M Avella, R Avolio, C Carfagna, ME Errico, G Gentile

Journal of Applied Polymer Science 122 (6), 3590-3598

**Composites based on carbon fibers and liquid crystalline epoxy resins, 1 Monomer synthesis and matrix curing** 31 2000

C Carfagna, D Acierno, V Di Palma, E Amendola, M Giamberini  
Macromolecular Chemistry and Physics 201 (18), 2631-2638

**Mechanical and Thermal Behaviour of Ecofriendly Composites Reinforced by *Kenaf* and *Caroà* Fibers** 30 2011

P Persico, D Acierno, C Carfagna, F Cimino  
International Journal of Polymer Science 2011

**Intermolecular  $\pi$ -Electron Perturbations Generate Extrinsic Visible Contributions to Eumelanin Black Chromophore in Model Polymers with Interrupted Interring Conjugation** 29 2013

L Ascione, A Pezzella, V Ambrogi, C Carfagna, M d'Ischia  
Photochemistry and photobiology 89 (2), 314-318

**Thermal oxidative stability and effect of water on gas transport and mechanical properties in PA6-EVOH films** 29 2007

P Cerruti, P Laurienzo, M Malinconico, C Carfagna  
Journal of Polymer Science Part B: Polymer Physics 45 (7), 840-849

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**Chemiluminescence from oxidation of polyamide 6, 6: II. The effect of metal salts** 28 2004

P Cerruti, J Rychlý, L Matisová-Rychlá, C Carfagna  
Polymer degradation and stability 84 (2), 199-206

**Liquid crystalline vinyl ester resins for structural adhesives** 28 2002

V Ambrogi, C Carfagna, M Giamberini, E Amendola, EP Douglas  
Journal of adhesion science and technology 16 (1), 15-32

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D Acierno, E Amendola, C Carfagna, L Nicolais, R Nobile  
Molecular Crystals and Liquid Crystals 153 (1), 553-562

**Continuous hydrogen production by immobilized cultures of *Thermotoga neapolitana* on an acrylic hydrogel with pH-buffering properties** 27 2012

MA Basile, C Carfagna, P Cerruti, GG d'Ayala, A Fontana, A Gambacorta, ...  
RSC advances 2 (9), 3611-3614

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Journal of applied polymer science 50 (1), 83-94

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Macromolecules 22 (4), 1600-1603
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Journal of applied polymer science 114 (5), 2978-2985
- Viscoelasticity of main chain liquid crystalline elastomers** 26 2006  
M Giamberini, V Ambrogi, P Cerruti, C Carfagna  
Polymer 47 (13), 4490-4496
- Hygrothermal ageing of epoxy based coatings** 26 1982  
C Carfagna, P Mastronardi, L Nicolais  
Journal of Materials Science 17, 2239-2244
- Reactive microspheres as active fillers for epoxy resins** 25 2004  
C Carfagna, V Ambrogi, G Cicala, A Pollicino, A Recca, G Costa  
Journal of applied polymer science 93 (5), 2031-2044
- Anisotropic liquid crystalline epoxy thermoset** 25 1996  
E Amendola, C Carfagna, M Giamberini, L Komitov  
Liquid crystals 21 (3), 317-325
- Water sorption in a novel liquid crystalline epoxy resin** 25 1995  
C Carfagna, E Amendola, M Giamberini, G Mensitieri, MA Del Nobile, ...  
Polymer Engineering & Science 35 (2), 137-143
- Eumelanin 3D architectures: Electrospun PLA fiber templating for mammalian pigment microtube fabrication** 23 2015  
I Bonadies, F Cimino, C Carfagna, A Pezzella  
Biomacromolecules 16 (5), 1667-1670
- Liquid crystalline elastomers based on diglycidyl terminated rigid monomers and aliphatic acids. Part 2. Mechanical characterization** 23 2005  
M Giamberini, P Cerruti, V Ambrogi, C Vestito, F Covino, C Carfagna  
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